

Yu-Jui Yvonne Wan, PhD
Distinguished Professor
Department of Pathology & Laboratory Medicine
University of California, Davis

Education:

1981 - 1983	Ph.D. Experimental Pathology, Drexel University, Philadelphia, PA
1979 - 1981	M.S. Experimental Pathology, Drexel University, Philadelphia, PA
1975 - 1979	B.S. Taipei Medical University, School of Pharmacy, Taipei, Taiwan

Professional Experience:

2022 - Present	Distinguished Professor, Department of Pathology & Laboratory Medicine, University of California, Davis.
2012 - 2024	Vice Chair of Research, Department of Pathology & Laboratory Medicine, University of California, Davis.
2012 - 2022	Professor, Department of Pathology & Laboratory Medicine, University of California, Davis.
2012 - 2017	Scientific Director of Biorepository, University of California, Davis.
2007 - 2012	Director, Liver Center, University of Kansas Medical Center, Kansas City, KS
2007 - 2012	Leader, Cancer Biology Program, the University of Kansas Cancer Center, KS
2007 - 2010	Joy McCann Professor, University of Kansas Medical Center, Kansas City, KS
2006 - 2009	Adjunct Professor, Department of Pathology, University of Kansas Medical Center, Kansas City, KS
2003 - 2012	Professor, Department of Pharmacology, Toxicology & Therapeutics, University of Kansas Medical Center, Kansas City, KS
2001 - 2003	Professor, University of California, Los Angeles (UCLA), Department of Pathology, School of Medicine, CA
1995 - 2001	Associate Professor, UCLA, Department of Pathology, School of Medicine, CA
1996 - 1998	Pathology Course Director, Biomedical Science Program, UC Riverside, CA
1989 - 1995	Assistant Professor, UCLA, Department of Pathology, School of Medicine, CA
	Director, Molecular Biology Diagnostic Laboratory, Harbor-UCLA Medical Center
1989 - 1991	Associate Core Director, Morphology Core, Population Research Center, Harbor-UCLA Medical Center, CA
1988 - 1989	Senior Staff Fellow, Section on Cellular Differentiation, Human Genetics Branch, NICHD, NIH, Bethesda, MD
1986 - 1987	Staff Fellow, Section on Cellular Differentiation, Human Genetics Branch, NICHD, NIH, Bethesda, MD
1984 - 1986	Postdoctoral Fellow, Laboratory of Developmental and Molecular Immunity, NICHD, NIH, Bethesda, MD
1980 - 1982	Research Assistant in Electron Microscopy and Immunochemistry, Department of Pathology, Hahnemann University, Philadelphia, PA
1978	Pharmacy Intern, Synpac-Kingdom Pharmaceutical Company, Taiwan
1978	Pharmacy Intern, Chang Gung Medical Hospital, Taiwan.

Advanced Professional Training:

2021	Mentoring Academy for Research Excellence Workshop Series, UC Davis
2017	Biomedical + Engineering Entrepreneurship Academy, University of California, Davis
2016	Faculty Leadership Academy, University of California, Davis
2016	Association of Pathology Chairs, Leadership Academy, San Diego, CA

Honors and Awards:

- 2026/2027 Frieda Robscheit-Robbins Award for Exceptional Achievement in the Advancement of Women in Experimental Pathology. The American Society for Investigative Pathobiology (ASIP) announced it on May 19, 2026, at the annual ASIP meeting in Florida.
- 2025 Featured women scientists in Pathology, The American Society for Investigative Pathology.
- 2024 Interviewed by Voice of America: <https://www.golosameriki.com/a/lechenie-raka-vaktsinoj-btszh-i-novyj-yazyk-detali/7530392.html>
- 2024 The manuscript “BCG as an Innovative Option for HCC Treatment: Repurposing and Mechanistic Insights,” published in *Advanced Science*, is included in the *Advanced Science* – 10th anniversary special collection, [https://onlinelibrary.wiley.com/doi/toc/10.1002/\(ISSN\)2198-3844.10thAnniversary](https://onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)2198-3844.10thAnniversary), and it is also in a news release, <https://health.ucdavis.edu/news/headlines/tb-vaccine-shrinks-liver-cancer-tumors-in-mice/2024/02/>.
- 2023 The manuscript “Targeting stroma and tumor, silencing galectin-1 treats orthotopic mouse hepatocellular carcinoma” is in the news release <https://health.ucdavis.edu/news/headlines/scientists-find-gene-therapy-reduces-liver-cancer-in-animal-model/2023/11>
- 2023 The manuscript entitled “miR-22 gene therapy treats HCC by promoting anti-tumor immunity and enhancing metabolism published in *Molecular Therapy*, 2023, is selected and included in *The Cancer Letter*, Vol 49, No 34, September 15, 2023. This paper also appeared in news media; examples are: <https://health.ucdavis.edu/news/headlines/gene-therapy-study-identifies-potential-new-treatment-for-liver-cancer/2023/08/>; <https://www.newswise.com/articles/gene-therapy-study-identifies-potential-new-treatment-for-liver-cancer>; <https://www.eurekalert.org/news-releases/999460>.
- 2022 Advanced to University Distinguished Professor, the 14th woman faculty member to receive this honor in the School of Medicine, UC Davis
- 2021 UC Davis, School of Medicine, Dean’s Award for Excellence
- 2021 A manuscript entitled “Probiotics improve gastrointestinal function and life quality in pregnancy” was in the news announcement: <https://health.ucdavis.edu/health-news/contenthub/probiotics-improve-nausea-and-vomiting-in-pregnancy-according-to-new-study/2021/12>.
- 2019 Outstanding alumnus in the National Taipei University of Education Experimental Elementary School. Taipei, Oct 26, 2019F
- 2019 The Best Tea Health Advocate, World Tea Expo, Las Vegas, Jun 11-14, 2019
<https://worldteanews.com/world-tea-expo-news/2019-world-tea-awards-winners>
https://video.ucdavis.edu/media/GTI+-+Yvonne+Wan+01-24-2019/1_1vxadre5
- 2019 Publication entitled “Dysregulated bile acid synthesis and dysbiosis are implicated in Western diet-induced systemic inflammation, microglial activation, and reduced neuroplasticity” (PMCID: PMC5901391, PMID: 29401580) was selected as a feature article in *Nutrition Frontiers*, a publication of the Nutritional Science Research Group (NSRG), NCI. The NSRG Program selects three publications per newsletter based on scientific merit, innovation, and potential public health impact. Winter 2019
- 2018 “The Best of 2018” at the American Association for the Study of Liver Disease. Aged gut microbiota is implicated in hepatic inflammation and metabolic disease in a sex-dependent manner.
- 2018 Experimental Biology and Medicine (EBM), Outstanding Reviewer Award, Society of Experimental Biology and Medicine
- 2018 Step Plus Merit increase to Professor Step 9, School of Medicine, UC Davis.
- 2017 Publication entitled “Gender Differences in Bile Acids and Microbiota in Relationship with Gender Dissimilarity in Steatosis Induced by Diet and FXR Inactivation” (PMCID: PMC5431816, PMID: 28496104) was selected as a feature article in *Nutrition Frontiers*, a

- publication of the Nutritional Science Research Group (NSRG), NCI. Summer 2017, <https://prevention.cancer.gov/news-and-events/news/nutrition-frontiers-summer-0>
- 2017 Cover story of American Journal of Pathology: "Western Diet–Induced Dysbiosis in Farnesoid X Receptor Knockout Mice Causes Persistent Hepatic Inflammation after Antibiotic Treatment" (PMCID: PMC5530909, PMID: 28711154) <https://www.elsevier.com/about/press-releases/research-and-journals/chronic-liver-inflammation-linked-to-western-diet>; https://www.eurekalert.org/pub_releases/2017-07/e-cli071017.php
- 2016 The Outstanding Alumni Award in recognition of distinguished academic achievements, Taipei Medical University, June 1, 2016. <http://www.pacific-times.com/Default.aspx?RC=2&nid=dcc1abdc-750f-4bd1-be19-0b96b867c32b>, <http://opa.tmu.edu.tw/files/13-1000-553.php?Lang=zh-tw>
- 2016 The following paper was the highlight of the March issue of the Journal Hepatology in 2016. Functional analysis of the relationship between intestinal microbiota and the expression of hepatic genes and pathways during the course of liver regeneration. PMCID: PMC4761311, PMID: 26453969.
- 2016 TV Interview with Dr. Madelyn Fernstrom, UC Davis School of Medicine and Comcast NBC Universal Collaboration for a Health Series.
- 2015 Step Plus Merit increase to Professor Step 7.5, School of Medicine, UC Davis.
- 2015 Feature story in the Synthesis, UCDMC Cancer Center <http://www.ucdmc.ucdavis.edu/synthesis/issues/spring2015/index.html>
- 2015 News release for the publication entitled "*miR-22-silenced cyclin A expression in colon and liver cancer cells is regulated by bile acid receptor in the Journal of Biological Chemistry*". PMCID: PMC4358284.
- 2015 News release for the publication entitled "Forced expression of fibroblast growth factor 21 reverses the sustained impairment of liver regeneration in hPPAR α ^{PAC} mice due to dysregulated bile acid synthesis' in *Oncotarget*". <http://www.ucdmc.ucdavis.edu/publish/news/newsroom/9856>
- 2014 Interviewed by *Nature*. "Bacteria Tightrope", *Nature*, Vol 516, December 4, 2014 http://www.nature.com/nature/journal/v516/n7529_supp/full/516S14a.html
- 2013 The following paper was featured on www.MDlinx.com on April 1st, 2013. IL28B genotype and the expression of ISGs in normal liver. *Liver International*, PMCID: PMC7231429, PMID: 23522062.
- 2011 The following paper was the cover story of the December issue of *Hepatology* in 2011. Alteration of nuclear receptor-mediated signaling pathways in HCV patients with and without a history of alcohol drinking. PMCID: PMC3230737, PMID: 21898497
- 2011 The following paper was the cover story of the March issue of *Hepatology* in 2011. Enrichment of Nur77 mediated by RAR β leads to apoptosis of human hepatocellular carcinoma cells induced by fenretinide and HDACi. PMID:21319187
- 2010 Chancellor's Club Research Award, University of Kansas, KS
- 2010 Edition of Who's Who among Executives and Professionals throughout the World.
- 2009 The following listed paper was a journal highlight and included in the news release on 18 September, link: http://www.eurekalert.org/pub_releases/2009-09/ace-ear091109.php. A feature article in MDlinx.com, link: <http://www.mdlinx.com/internalmdlinx/news-article.cfm/2887596>
- The Interaction of reward genes with environmental factors in the contribution to alcoholism in Mexican Americans. *Alcoholism Clinical and Experimental Research*, PMID: 19764934, PMCID: PMC4017868.
- 2009 Women in Toxicology SIG Elsevier Mentoring Award from the Society of Toxicology - for outstanding role as a mentor and making important contributions to women scientists in the field of toxicology.
- 2007 - 2010 Joy McCann Professorship in recognition of contributions to biomedical research and mentoring programs.

2007	The following paper was the highlight of the journal and was in the news release. A haplotype analysis of CYP2E1 polymorphisms in relation to alcoholic phenotypes in Mexican Americans. Alcoholism Clinical and Experimental Research, PMID: 18034693.
2006	Investigator Research Award, received on Faculty Research Day, Nov 9, 2006, KUMC
2006 - 2007	President, Central State Chapter, Society of Toxicology
2005 - 2006	Vice President, President-elect, Central State Chapter, Society of Toxicology
2005	Who's Who in Medical Science Education
2003	Distinguished Women in Research Award in recognition of years of dedicated service to advancing medical research, presented by Councilwoman Janice Hahn and Congresswoman Jane Harman.
2003	Accelerated merit increase to Professor Step 2, School of Medicine, UCLA.
2001	Recognition of biomedical research achievements by the Professional Staff Association at Harbor UCLA Medical Center.
1998	Contributions toward the Improvement of Healthcare in Los Angeles County honored in the Board of Supervisors Meeting, County of Los Angeles, June 9, 1998.
1995	1995 Richard Weitzman Memorial Research Award, Faculty Society, Harbor-UCLA Medical Center, CA, U.S.A.
1992	Purvis Martin, M.D. Award, in recognition of the best scientific paper presented at the 40 th annual meeting of the Pacific Coast Fertility Society.
1991	PhD Paper Award, Faculty Society, Harbor-UCLA Medical Center, CA.
1980 - 1982	Upjohn Scholarship Award, Hahnemann University, Philadelphia, PA.
1975 - 1979	Scholarship, Taipei Medical University, Taipei, Taiwan.
1979	Outstanding Graduate, top of the class, Taipei Medical University, Taiwan.

University Service:

2026- Present	Member, Faculty Recruitment for Department of Pathology and Laboratory Medicine, UC Davis. Reviewed 100 application packages.
2026	Poster Judge, Annual UCD Comprehensive Cancer Center meeting.
2026 - Present	Organizer, organized about six Pathology Department Grand Rounds, SOM, UC Davis.
2026	Reviewer, Edmonson Summer Program applications, Department of Pathology, SOM, UC Davis.
2026	Reviewer, the Ono Pharma Chemical Biology Breakthrough Science Initiative Awards Program internal limited submissions competition, UC Davis.
2025	Reviewed sixteen seed grant applications for the Department of Dermatology, SOM, UC Davis.
2025	Judge of poster session, Pathology Departmental Research Retreat, SOM, UC Davis.
2024	Review Committee member, SOM, UC Davis, Dean's Excellence Awards
2022 - 2023	Member, Search Committee for the Chair position at the Department of Pathology and Laboratory of Medicine, SOM, UC Davis
2023	Review committee for an endowment position, Academic Personnel, SOM, UC Davis
2022 - 2023	Member, Strategic Plan Discovery Science Workgroup, SOM, UC Davis
2022	Review Committee member, UC Davis, SOM, 2022 Deans' Excellence Awards.
2022 - 2023	Initiative Leader, Strategic Planning, Experimental Pathology & Discovery Sciences. Department of Pathology & Laboratory of Medicine, SOM, UC Davis
2020 - 2024	Acting Chair, Department of Pathology and Laboratory of Medicine, School of Medicine, UC Davis (during Chair's absence).
2019 - Present	Co-leader of Cancer and Microbiome (CaM) Initiative, the UC Davis Comprehensive Cancer Center, SOM, UC Davis
2019 - 2022	Chair of the Search Committee, Robert Stowell Endowed Professor in Cancer

	Immunology.
2019 - 2020	Chair, Search Committee, Faculty in Experimental Pathology, JPF02728
2017 - 2018	Member, Search Committee for the Director of the Center for Comparative Medicine, and Stowell Chair, UC Davis
2017 - 2018	Chair, Search Committee for an academic neuroscientist, UCD Health, UC Davis.
2017 - 2022	Organizer, Annual Stowell Lectureship and Pathology Department research retreat, UCD Health
2017	Reviewer, Collaborative for Diagnostic Innovation Program, UC Davis.
2016 - 2021	Steering Committee, the Global Tea Initiative, UC Davis http://ls.ucdavis.edu/global-tea/global-tea.html https://theaggie.org/2016/05/18/a-global-tea-party/
2016 - 2019	Member, Committee for Research Affairs, School of Medicine, UC Davis
2015 - 2016	Chair, Interdepartmental Seed Grant Committee, School of Medicine, UC Davis
2015	Organizer, Liver Cancer Symposium, UCD, SOM, Nov 12, 2015
2014 - 2015	Biospecimen Repository Working Group, UCD, SOM.
2013 - 2014	Committee Member, imaging/genomic search, Department of Pathology, UCD Medical Center.
2014 - 2015	Member, Search Committee for the recruitment of an Assistant/Associate Professor in the Clinical X Series for a full-time faculty position (Hepatology Outcomes), Department of Medicine, UCD Medical Center.
2014 - 2015	Member, Search Committee for the recruitment of an Assistant/Associate Professor in the Clinical X Series for a full-time faculty position (Hepatology Clinical Trials), Department of Medicine, UCD Medical Center.
2014 - 2015	Member, Search Committee for the recruitment of an Assistant/Associate Professor in the Clinical X Series for a full-time faculty position (Gastroenterology), Department of Medicine, UCD Medical Center.
2014 - 2015	Member, Search Committee for the recruitment of an Assistant/Associate Professor in the Clinical X Series for a full-time faculty position (Gastroenterology, IBD), Department of Medicine, UCD Medical Center.
2014 - 2015	Chair, Search Committee for the recruitment of a neuroscientist for the Department of Pathology, UCD Medical Center.
2013 - 2014	The Everest Foundation Research Fellowship Committee, UCD Medical Center
2013 - 2016	Chair, Biorepository Committee, UC Davis Health System
2012 - 2019	Chair, Advisory Research Committee, Department of Pathology and Laboratory Medicine, UCDCMC
2012 - 2016	Member, Pathology Executive Committee, UCDCMC
2007 - 2012	Chair, Internal Advisory Committee, the Liver Center, KUMC
2007 - 2011	Organizer, Annual Liver Symposium, KUMC
2007 - 2010	Program Consultant and Executive Committee of Women in Medicine and Science, KUMC
2007 - 2012	Leadership Council, the University of Kansas Cancer Center, KUMC
2007 - 2010	Member, Advisory Board of the Institute of Molecular and Outcomes Medicine, KUMC.
2007 - 2012	Program Leader, Cancer Biology Program, KU Cancer Center
2007 - 2012	Member, Advisory Committee, the Microarray Facility, KUMC
2007 - 2008	Immediate Past President, Central State Chapter, Society of Toxicology
2006 - 2007	President, Central State Chapter, Society of Toxicology
2006 - 2009	Animal Transition Committee, KUMC
2006	Planning Committee, Cancer Center Annual Retreat, KUMC
2005 - 2010	Internal Advisory Committee, Kansas BIRCWH (Building Interdisciplinary Research Careers in Women's Health) Career Development Program in Women's Health, funded by NIH.
2005 - 2006	Vice President, President-elect, Central State Chapter, Society of Toxicology

2005 - 2010	Search Committee, Chairman of Radiation Oncology, KUMC.
2005 - 2007	Committee member to identify Nobel Laureates for the Peter T. Bohan lectures
2004	School of Medicine Promotion and Tenure Committee, KUMC.
2004 - 2006	General Clinical Research Center Advisory Committee
2003 - 2012	Promotion and Tenure Committee, Department of Pharmacology, KUMC
2003 - 2012	Faculty Search Committee, Department of Pharmacology, KUMC, recruited over 15 faculty members in eight years.
2003	Committee, 2003 Richard Weitzman Memorial Research Award
2003	At the request of CAP and Vice-Chancellor Vredevoe, I served on an ad hoc review committee for a faculty appointment at KUMC.
2002	Nomination Committee, Board of Directors, Harbor-UCLA Research Education Institute.
2002 - 2003	Core/Shared Equipment Committee, Harbor-UCLA Research Education Institute.
2001 - 2003	Summer Student Selection Committee, Harbor-UCLA Research Education Institute.
2001	Harbor-UCLA Research Education Institute CEO Search Committee.
2001 - 2003	Space Committee, Harbor-UCLA Research Education Institute.
2000 - 2003	Finance Committee, Harbor-UCLA Research Education Institute.
2000	Department representative for review of the CEO/President, Harbor-UCLA Research Education Institute.
1999	Research Faculty Recruitment Committee, Harbor-UCLA Research Education Institute (determined the allocation of REI research faculty recruitment award funds).
1998 - 2000	REI Long-Range Steering Committee, Harbor-UCLA Research Education Institute
1998 - 1999	Computer Network Committee, Harbor-UCLA Research Education Institute
1998 - 2003	Organizer and committee member, Harbor-UCLA campus-wide Basic Science Conference Committee
1998 - 1999	Search Committees for the recruitment of faculty of the Department of Psychiatry, Harbor-UCLA Medical Center
1998	Committee, 1996 and 1998 Richard Weitzman Memorial Research Award
1997 - 2003	Executive Committees for Initiative for Minority Student Development (IMSD) funded by NIH
1997	Organizer, 1997 Richard Weitzman Memorial Research Award, UCLA
1997 - 1999	Honorary Member of the Advisory Council, International Biographical Center, Cambridge, England
1996 - 1998	Search Committee Member, CEO/President of Harbor-UCLA Research Education Institute
1991 - 1999	DNA Committee, Harbor-UCLA Research Education Institute
1991 - 2003	Interviewer for faculty candidates of the Department of Medicine, Pediatrics, and Psychiatry
1996	Committee, 1996 Richard Weitzman Memorial Research Award, UCLA
1996 - 1997	Executive Committee, Faculty Society, Harbor-UCLA Medical Center, CA.
1996 - 1997	Secretary/Treasurer, Faculty Society, Harbor-UCLA Medical Center, CA.
1991 - 1998	Administrative Policies Committee, Harbor-UCLA Research and Education Institute
1989 - 1992	Executive Committee, Population Research Center, Harbor-UCLA Medical Center, CA.

Scientific Society Services:

2026	Reviewed 50 applications for the Trainee Scholar Award, 2026 American Society for Investigative Pathobiology (ASIP) annual meeting.
2025 - present	Member, Program Committee, the American Society for Investigative Pathobiology (ASIP)
2025 - present	Member, Membership Committee, the American Society for Investigative

	Pathobiology (ASIP)
2024	Organizer, The Society of Chinese Bioscientists in America (SCBA) and the Chinese Biological Investigators (CBI) Society International Conference on Life Sciences, Guiyang, China, July 25- July 30, 2024
2020 - 2024	Councilor, Society of Chinese Bioscientists (SCBA) in America, ~2,000 members.
2015 - 2016	Member, Organization Committee, the 21st International Symposium on Microsomes and Drug Oxidations, which takes place on Oct 2-6, 2016.
2015	Organizer Committee, the 4th International Conference on Gastroenterology, July 2015, Florida, USA http://gastroenterology.conferenceseries.com/
2015	Session Leader and organizer, Nuclear Receptor-mediated Signaling in Liver Cancer and Metabolic Diseases, the 15th SCBA International Symposium, Taipei, Taiwan, June 26-29, 2015.
2010	Review abstracts for the 21 st Conference of the Asian Pacific Association for the Study of the Liver (APASL)
2009 - 2012	Membership Committee, Society of Chinese Bioscientists in America (SCBA, http://www.scbasociety.org)
2007 - 2008	Immediate Past President, Central State Chapter, Society of Toxicology
2006 - 2007	President, Central State Chapter, Society of Toxicology
2005 - 2006	Vice President, President-elect, Central States Chapter, Society of Toxicology
2004 - 2005	Counselor, the Central States Chapter of the Society of Toxicology

NIH Study Section Service:

Nov 2026	Drug and Biologic Disposition and Toxicity (DBDT) study section.
June 2024	NCI Program Project, P01, Special Emphasis Panel/Scientific Review Group 2024/10 ZCA1 RPRB-T (O1) S meeting.
Jan 2024	NIDDK Catalyst Award, Division of Diabetes, Endocrinology, or Metabolic Disease, or Division of Digestive Diseases and Nutrition, related topic areas.
Oct 2023	NIH Cancer Prevention Study Section Panel, Bethesda, MD
March 2023	ZRG1 KUDS-A(04) Topics in Hepatology and Environmental Toxicology
May 2022	ZRG1 DKUS H(02)M: Topics in physiological and toxicological mechanisms. PAR-20-133, Gastrointestinal (GI) and Microbiome Explorers: Development of Swallowable Smart Pills or Devices for Precision Nutrition, Microbiome and Digestive Disease Applications
Jun 2020	The Integrative Nutrition and Metabolic Processes (INMP) study section
Feb 2019	Toxicology and Digestive, Kidney and Urological Systems, ZRG1 DKUS-R- Special Emphasis Panel
Nov 2018	Revolutionizing Innovative, Visionary Environmental Health Research (RIVER R35) Award Review, National Institute of Environmental Health Sciences, Research Triangle Park, NC
2018	Invited by Dr. Richard Nakamura, Director of the Center for Scientific Review (CSR), to review the NIH grant review system.
Feb 2018	NCI Provocative Questions: How does microbiota affect the response to cancer therapies? Through what mechanisms do diet and nutritional interventions affect the response to cancer treatment?
Oct 2017	NIH, Hepatobiliary Pathophysiology [HBPP] Study Section
2017	NIH, 2017 NIH Director's New Innovator Award Program (DP2)
2016	NIH, 2016 NIH Director's New Innovator Award Program (DP2)
Feb 2016	NIH Special Emphasis Panel, Gut Microbiota-Derived Factors in the Integrated Physiology and Pathophysiology of Diseases within NIDDK's Mission, PAR-13-293, ZRG1 DKUS-P (55)
Nov 2015	NIH, Special: Microbiome and Related Sciences, 2016/01 ZRG1 DKUS-P (91) S
Oct 2015	NIH, Special Emphasis Panel/Scientific Review Group, 2016/01 ZDK1 GRB-7 (J1)
March 2015	NIH, DDK-C 1, Digestive Diseases and Nutrition C Subcommittee
Oct 2013	NIH, The Xenobiotic and Nutrient Disposition and Action Study Section (XNDA)

Oct 2013	NIH, The NCI Provocative Questions Initiative
July 2011	NIH, NCI P01 grant review.
May 2011	NIH, NCI P01 Cellular and Tissue Special Emphasis Panel
2010	NIH, Molecular Oncogenesis Study Section, ZRG1 OBT-Z (02)
2010	Reviewed an NIH study section.
2009 - 2013	NIH, Charter Member, the Xenobiotic and Nutrient Disposition and Action Study Section (XNDA)
2008	NIH, The Xenobiotic and Nutrient Disposition and Action Study Section (XNDA)
2007	NIH, NIAAA Special Emphasis Panel, ZAA1 JJ (12) Ethanol and Pancreatitis
2006	NIH, Cancer Etiology Study Section (CE)
2006	NIH, Digestive Science, Small Business
2005	NIH, Molecular Oncogenesis Study Section
2003 - 2005	NIH, Charter Member, Cancer Etiology Study Section (CE)
2000 - 2003	NIH, Charter Member, Chemical Pathology Study Section (CPA)

Other Grant Review Panels:

2025	Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
2022	Oak Ridge Associated Universities (ORAU), Nazarbayev University, Kazakhstan
2022	Head and Neck Cancer SPORE seed grant, University of Colorado Cancer Center
2020	Erwin Schrödinger Fellowship, Austrian Science Fund, Austria
2020	Global Challenges Research Fund Initiatives, United Kingdom Medical Research Council.
2016	Puerto Rico Science, Technology, and Research Trust, Puerto Rico
2016	The Swiss Cancer League, Swiss Cancer Research, Switzerland
2016	Bridge Funding, UCDHS, US
2015, 2018	The Health Research Board (HRB), Ireland
2014, 2016	The Stichting tegen Kanker, Fondation contre le Cancer, Belgium
2012	The Agency for Science, Technology and Research's Biomedical Research Council, Singapore
2010 - 2014	The Bankhead-Coley Cancer Research Program, Department of Health, Florida
2009 - 2014	Grant review for the Department of Health, Pennsylvania
2009	Grant review for Broad Medical Research Program, The Eli and Edythe Broad Foundation, USA
2006	The Kentucky Science and Engineering Foundation R&D Excellence Program
2005 - 2008	National Health Research Institutes, Taiwan
2003	Review grant applications for the Hall Foundation, USA
2003	Review grant applications for The Kansas IDeA Networks of Biomedical Research Excellence, Kansas
1998 - 2000	Grant review for Human Frontier Science Program
	RFA from NICHD/NIH
	Research Committee Grants of Harbor-UCLA
	Harbor UCLA Collegium's Research Grants.

Site Inspection on behalf of the College of American Pathologists:

2001	Sunrise Hospital and Medical Center, Las Vegas, Nevada, U.S.A.
1996	Clinical Laboratories, Department of Pathology, Los Angeles, CA, U.S.A.
1995	Nichols Institute Reference Laboratories, San Juan Capistrano, CA, U.S.A.
1994	Cedars-Sinai Medical Center, Molecular Pathology Labs, Department of Pathology, Los Angeles, CA, U.S.A.

Current Journal Editorial Board Service:

2012 - Present, Associate Editor, *Biomarker Research*, Journal impact factor 2024: 11.5
<http://www.biomarkerres.org/about/edboard>

2023 - Present, Editor of *Cell & Bioscience*
<https://cellandbioscience.biomedcentral.com/>

2020 – Present, Editorial Board Member, *Molecular Carcinogenesis*
<https://onlinelibrary.wiley.com/page/journal/10982744/homepage/editorialboard.html>

2018 – Present, Editorial Board Member, *Hepatobiliary Surgery and Nutrition* (HBSN)
<http://hbsn.amegroups.com/user/view/26484>

2022 – Present, Section Board Member, *Nutrients*
<https://www.mdpi.com/journal/nutrients/editors?search=Wan>

2015 – Present, Editorial Board Member of the Austin Journal of Gastroenterology
<http://austinpublishinggroup.com/gastroenterology/editorialboard.php>

2015 – Present, Editorial Board Member of Journal of Nutrition & Food Sciences
<https://www.omicsonline.org/editorialboard-nutrition-food-sciences-open-access.php>

2014 – Present, Editorial Board Member of *Journal of Cancer Prevention and Current Research*
<http://medcraveonline.com/JCPCR/editorial-board>

2013 – Present, Editorial Board Member of the *Journal of Liver*
<http://omicsgroup.org/journals/editorialboard-liver-open-access.php>

2007 – Present, Editorial Board Member of *Substance Abuse: Research and Treatment*
<https://us.sagepub.com/en-us/nam/substance-abuse-research-and-treatment/journal202697#editorial-board>

Previous editorial board service:

2017 - 2023, Executive Associate Editor, *Liver Research*
2015 - 2018 Editor-in-Chief, 2014 -2015 Associate Editor, *The Open Pharmaceutical Sciences Journal*
2013 - 2014: Editorial Board Member, *Novel Biomarkers*
2013 - 2014: Editorial Board Member, *Nuclear Receptor Research*
2011 - 2014: Review Editor of *Frontiers in Pharmacogenetics and Pharmacogenomics*
2009 - 2020: Editorial Board Member, World Journal of Gastrointestinal Pharmacology and Therapeutics
2009 - 2015: Editorial Board Member, Hepatic Medicine: Evidence and Research
2009 - 2015: Editorial Board Member, *Clinical Pharmacology: Advances and Applications*
2009 - 2015: Editorial Board Member, *Nutritional and Dietary Supplements*
2009 - 2011: Editorial Board Member, *Current Drug Metabolism*
2007 - 2019: Editorial Board Member, *Experimental Biology and Medicine*
2006 - 2015: Editorial Board Member, *Toxicological Sciences*
2006 - 2008: Editorial Board Member, *PPAR Research*.

Editor, Journal Special Issue:

2025 *Cell & Bioscience*: Topic: Dietary Contributions to Hepatic Diseases and Cancer
2022 *Frontiers in Cell and Developmental Biology* – Topic: Macrophage in Hepatology

2020 *Liver Research* – Topic: Hepatocellular Carcinoma Diagnosis and Treatment, An Overview
Manuscript Review for the Following Journals (number of manuscripts):

ACS Omega - 1
Acta Pharmacologica Sinica B – 6
Advanced Science -2
Alcohol - 2
Alcohol and Alcoholism - 3
Alcoholism Clinical and Experimental Research - 5
Alcohol Research and Health - 1
American Journal of Medical Genetics - 1
American Journal of Pathology - 3
American Journal of Transplantation - 1
Apoptosis - 1
Applied and Environmental Microbiology - 2
Archives Of Physiology and Biochemistry -1
Archives for General Psychiatry
Arteriosclerosis, Thrombosis, and Vascular Biology - 1
Austin Journal of Gastroenterology -5
Biochemical Pharmacology - 12
Biochimie - 2
Biomarker Research - 12
BMC Clinical Pharmacology - 2
British Journal of Pharmacology - 3
Cancer Letters - 3
Cancer Biology and Therapy - 1
Carcinogenesis – 2
Cell & Bioscience - 25
Cellular & Molecular Biology Letters - 1
Cellular and Molecular Life Sciences - 1
Clinical Pharmacology: Advances and Applications -12
Current Drug Metabolism - 6
Current Medicinal Chemistry - 1
CNS Neuroscience & Therapeutics - 1
Comparative Immunology, Microbiology & Infectious Diseases - 2
Dermatological Science - 1
Differentiation
Drug and Alcohol Dependence
FASEB J - 8
Experimental Biology & Medicine - 48
Experimental and Therapeutic Medicine - 3
Expert Review Molecular Diagnostics - 2
European Journal of Inflammation - 1
European Journal of Pharmacology - 1
Food & Function - 5
Frontier of Medicine - 2
Frontier Microbiology - 1
Frontiers in Pharmacogenetics and Pharmacogenomics - 12
Frontier Physiology – 2
Gastroenterology - 1
Gene - 1
Gut Microbes -1
Hepatic Medicine: Evidence and Research - 3

Hepatobiliary Pancreatic Disease International - 1
Hepatobiliary Surgery and Nutrition -3
Hepatology - 4
Hepatology Communications -2
Hepatobiliary & Pancreatic Diseases International- 1
Immunopharmacology and Immunotoxicology - 1
International Journal for Vitamin and Nutrition - 1
International Medical Press Antiviral Therapy - 1
ISME Journal - 1
Journal of Cancer Prevention and Current Research - 5
Journal of Clinical Investigation -1
Journal of Liver - 5
Journal of Lipid Research - 2
Journal of Molecular Endocrinology - 3
Journal of Neurochemistry - 1
Journal of Nutrition & Food Sciences -10
Laboratory Investigation - 10
Liver International - 2
Liver Research - 25
Microbiology Open - 2
Mini-Reviews in Medicinal Chemistry - 2
Molecular Basis of Disease - 2
Molecular Cell Research - 1
Molecular Carcinogenesis - 9
Molecular Endocrinology - 5
Molecular Pharmacology - 5
Molecular Pharmaceutics - 4
Molecular and Cell Biology of Lipids - 3
Molecular and Cellular Endocrinology - 2
Nature Communications - 3
Novel Biomarkers - 3
Nuclear Receptor Research - 3
Nutritional and Dietary Supplements - 6
Oncogene - 2
Oncotarget - 5
Pharmacological Research - 2
Pharmacogenetics - 2
Pharmacogenomics - 8
Physiological Genomics - 1
PLOS One - 6
PLOS Biology - 2
PPAR Research - 6
Psychiatry Research
Science Translational Medicine -1
Scientific Reports - 4
Substance Abuse: Research and Treatment - 12
The American Journal of Physiology-Gastrointestinal and Liver - 6
The International Journal of Biochemistry and Cell Biology - 8
The Journal of Cell Biology - 6
The Open Pharmaceutical Sciences Journal - 125
Toxicology Mechanisms and Methods - 2
Toxicological Sciences -12
World Journal of Gastrointestinal Pharmacology and Therapeutics -12

External Referee for Faculty Promotion for the Following Institutions:

2024 Tsinghua University, Beijing, China
2022 University of Oklahoma
2021 University of Oklahoma
2019 Tsinghua University, Beijing, China
2019 University of Missouri, Kansas City
2019 University of California, Los Angeles
2018 University of Missouri, Kansas City
2016 University of Nebraska
2015 St. Jude Children's Research Hospital
2015 Chinese University of Hong Kong
2015 University of Karachi in Pakistan
2015 National Institutes of Health
2014 University of Rhode Island
2013 University of Missouri
2012 University of Pittsburgh
2011 University of Southern California
2010 University of Rhode Island
2010 University of Missouri
2010 University of Southern California
2009 University of Pittsburgh
2003 University of Connecticut
2003 University of California, Irvine

Served as a Consultant or Mentor for the following NIH-funded projects:

Title of the Project: Deleted in liver cancer 1 (DLC1) in liver development and disease.
Funded by NIH, NIDDK, 2013-2018
PI: Yi-Ping Shih, Ph.D.

Title of the Project: Regulation of PXR by Cell Cycle and Phosphorylation
Funded by NIH, NIGMS, 2011-2014
PI: Taosheng Chen, Ph.D.

Title of the Project: c-GMP-Mediated Vasodilation in Perinatal Lung
Funded by NIH, NICHD, 1998-2002
PI: Usha Raj, M.D.

Title of the Project: Perinatal Lung Vascular Reactivity and Lipid Mediator
Funded by NIH, NICHD, 1998-2002
PI: Usha Raj, M.D.

Title of the Project: The Effect of Lead on the Hypothalamus-Pituitary-Testicular Axis
Funded by NIH, NIEHS, 1992-2000
PI: Rebecca Sokol, M.D.

Title of the Project: Retinoic Acid and Its Receptor in Early Embryogenesis

Funded by NIH, NICHD, 1992-1997
PI: Tsung-Chieh J. Wu, M.D., Ph.D.

Title of the Project: Sleep and Neuroendocrine Aspects of Depression
Funded by NIH, NIMH, Level II RSDA, 1992-1997
PI: Russell E. Poland, Ph.D.

Title of the Project: Molecular Basis of Sertoli Cell Only Syndrome
Funded by Amgen, 1992-1993
PI: Shalender Bhasin, M.D.

Professional Associations and Scholarly Societies:

Active Membership:

American Society of Integrated Pathology (ASIP)
American Association for the Study of Liver Diseases (AASLD)
European association for the study of the liver (EASL)
Society of Chinese Bioscientists in America (SCBA) - Lifetime member

Previous Membership:

American Association for Cancer Research
The Endocrine Society
American Society for Pharmacology and Experimental Therapeutics
Society of Toxicology
Research Society of Alcoholism

Teaching and Mentoring Activity:

2027	Winter PathWAYS Internship Program, UC Davis
2026 -	Nutrition in Pregnancy Guided Lab, 2nd-year medical students in the Endocrinology, GI and Reproduction (EnRGI) course, School of Medicine, UC Davis.
2026 - Current	Program-Based Learning (PBL), School of Medicine, UC Davis.
2026 Fall	Course PTX 290, Colloquium, meeting with faculty.
2026 Fall	Course 299, Independent Graduate Research, Pharmacology and Toxicology Graduate Group, UC Davis.
2026 Spring	Course: CHE 264, Chemical Biology Program Cross Training, UC Davis
2026	Edmonson Summer Program, UC Davis.
2025 - Current	Yao Ke, DDS, PhD, Postdoctoral, UC Davis, mentor of Dr. Yao's K99/R00 NIH application. Dr. Ke's application is pending review.
2024 - Current	Chien-Yu Lin, PhD, Senior Research Associate, Division of Pharmacology and Pharmaceutical Sciences, School of Pharmacy, University of Missouri-Kansas City, Kansas City, MO. Co-mentoring of Dr. Lin's K99/R00 NIH application.
2023 - Current	Hannah Savage, DVM, PhD, DACVM, Assistant Professor, Department of Pathology, Microbiology, and Immunology, School of Veterinary Medicine, University of California, Davis. I am Dr. Savage's K08 application mentor, with funding starting in 2026.
2023	Research Expo, UC Davis Medical Student.
2022 - Current	Tahereh Setayesh, PhD, Project Scientist, Cincinnati Children's Hospital, mentor of Dr. Setayesh's NCI Transition Career Development Award (K22) application. She has obtained a faculty position at the University of South Carolina.
2020 - Current	Mentor, Animal Models of Infectious Diseases, NIH Training Program, UC Davis
2019 - Current	Executive Committee Member and Mentor, NCI T32 training program in Oncogenic Signals and Chromosome Biology, UC Davis, https://oscb.ucdavis.edu/

2020	UCD, Global Disease Biology Senior Research 189 and 189D, Sujia Liu
2020	Member, Qualification Exam Committee for Ming Yin Kwong, Department of Food Science and Technology, UC Davis. Thesis title: From farm to cup: investigating amino acid and sensory profiles of <i>Camellia sinensis</i> growing in California fields.
2019 - 2022	UCD, Global Disease Biology Senior Research 189, 189D, and PMD199, Rachel Wang
2019	Member, Qualification Exam Committee for Mythili Ramachandran, Pharmacology Toxicology Graduate Group, UC Davis
2019	Member, Qualification Exam Committee for Devan Murphy, Biochemistry, Molecular, Cellular & Development Biology Graduate Group, UCD, Thesis title: Osteosarcoma Exosome Impact on Pulmonary Epithelial Integrity during Metastatic Invasion.
2019	Biotechnology Courses – Upper Division, UC Davis
2019	UCD, Global Disease Biology Senior Research 189 and 189D, Michelle Nguyen
2018	UCD, Global Disease Biology 189, Valeria Wang.
2017 – 2021	School of Medicine, UCD, student, small group teaching
2017 – 2021	School of Medicine, UCD, MDS406, Case study
2017 – 2021	PMD299 Graduate Students Laboratory Rotation, UCD
2016 – 2017	MS Degree Thesis Advisor for Nidhi Nagar, California State University, East Bay, Hayward. Her work, entitled “Role of bacteria and bacterial metabolites in the development of nonalcoholic steatohepatitis,” won 1st place in the 31st California State Student Research Competition. Competed against 23 California state universities and <u>won the best graduate researcher award in Biological and Agricultural Sciences on May 1, 2017, at San Luis Obispo, CA.</u>
2015 Summer	Course number 48319, PMD 499 research study UC Davis medical student Mr. Thinh Chau received the Stowell Endowed Medical Student Pathology Research Fellowship to perform a research project.
2015	Member, Qualification Exam Committee for Breanne Sparta, Biochemistry, Molecular, Cellular & Development Biology Graduate Group, UC Davis. Proposed thesis title: Control of signal flow by Raf-level scaffold proteins.
2014	UCD School of Medicine, Research Mentor
2014 - 2022	Department of Medical Pathology & Laboratory Medicine, UC Davis, Edmonson Fellow Mentor
2014 - 2016	School of Medicine, UCD, Application of Medical Principles (AMP), Doctoring 1 Program
2014	Member, Qualification Exam Committee for Zachary Farrow, Biochemistry, Molecular, Cellular & Development Biology Graduate Group, UC Davis Thesis title: The Effect of Retinol Binding Protein 4 Mutations on the Maternal and Fetal Environment.
2014	Member, Qualification Exam Committee for Ahmad Hassan, Comparative Pathology Graduate Group, UC Davis
2013 - Current	Mentor, Comparative Pathology Graduate Group, UC Davis
2013 - Current	Mentor, Biochemistry, Molecular, Cellular & Developmental Biology Graduate Group, UC Davis, BMCDB - BCB 220L Rotation Course
2013 - Current	Mentor, Pharmacology and Toxicology Graduate Group, UC Davis
2012 - 2015	Ph.D. Thesis Advisor, Fan Yang, Shanghai University of Traditional Chinese Medicine, Shanghai, China
2012 - 2015	Ph.D. Thesis Advisor, Chuangyu Cao, MD, Department of Gastroenterology, Guangzhou Medical College, Guangzhou, China
2010 - 2012	Ph.D. Thesis Advisor, Qi James Zhan, MD, Department of Gastroenterology, Guangzhou Medical College, Guangzhou, China Thesis title: Genome-wide Binding Profile of Hepatic RXR α and Its Role in Hepatic Lipid Homeostasis

2004 - 2012	Taught the following graduate courses: PHCL/PTOX 898 Principles of Pharm/Tox, PTOX 917 Drug Disposition, and PTOX887 Toxicologic Pathology
2007 - 2010	Member, Ph.D. Dissertation Committee, Yue Cui, Department of Pharmacology, KUMC Thesis title: Developmental Regulation of the Drug-processing Genome in Mouse Liver
2007 - 2009	Ph.D. Thesis Advisor, Hui Yang, MD, Department of Gastroenterology, First People's Municipal Hospital, Guangzhou Medical College, Guangzhou, China Thesis title: Study the Mechanisms of HDACi and Fenretinide-induced Apoptosis of Hepatoma Cells
2007	Member, M.S. Dissertation Committee, Jeremy Johnson, Department of Pharmacology, KUMC Thesis title: Genetic Polymorphisms in Disease Susceptibility: Gene-Gene and Gene-Environment Interactions
2006 - 2012	Mentor, NIH P20 COBRE Grant, Nuclear Receptors in Liver Health and Disease.
2006 - 2007	Member, Ph.D. Dissertation Committee, Xiaoxia Yang, University of Singapore Thesis title: Pharmacokinetic and pharmacodynamic mechanisms for reduced toxicity of CPT-11 by Thalidomide and St. John's Wort
2006 - 2009	Ph.D. thesis advisor, Pengli Bu, Department of Pharmacology, KUMC Thesis title: Molecular Mechanisms of Retinoid-induced Apoptosis and Proliferation in Hepatocytes
2006	Lecturer, Genomic Medicine, Genetics and Neoplasia, Preclinical Phase: Year 1 Medical Student, KUMC.
2006 - 2012	Mentor, Toxicology Training Grant funded by NIH, NIEHS
2005 - 2012	Essentials of Pharmacology (PHCL 880), Graduate School Course, KUMC.
2005 - 2012	Organizer and speaker, Liver Club, KUMC.
2005 - 2012	Mentor, Kansas BIRCWH (Building Interdisciplinary Research Careers in Women's Health) Career Development Program in Women's Health, funded by NIH.
2004 - 2007	Member, Ph.D. Dissertation Committee, David Buckley, Department of Pharmacology, KUMC. Thesis title: Characterization and Regulation of Mouse UDP Glucuronosyl Transferase mRNA Expression.
2004 - 2006	M.S. Thesis Advisor, Alphonse Mendy, Department of Pharmacology, KUMC. Thesis title: Retinoids Activate the RXR/SXR-mediated Pathway and Induce Endogenous CYP3A4 Activity in Huh7 Human Hepatoma Cells.
2003 - 2012	Mentor, IGPBS PhD Program, University of Kansas Medical Center.
1989 - 2003	Director, Molecular Pathology Resident Rotation, Pathology Resident Training Program, Harbor-UCLA
1989 - 2003	Organizer and lecturer, Biotechnology in Diagnostic Pathology, credited by CME
1996 - 2003	Faculty Mentor, Reproductive Endocrinology Fellowship Training Program, Department of Internal Medicine, Harbor-UCLA Medical Center.
1996 - 2003	Faculty Mentor, Perinatal Fellowship Training Program, Department of Pediatrics, Harbor-UCLA Medical Center.
1997 - 2003	Mentor, Master of Biology Graduate School Program, California State University, Dominguez Hills, Initiative for Minority Student Development funded by NIH.
1997 - 2003	Mentor, Bridges to the Baccalaureate (Bridge), Research Initiative for Student Enhancement (Rise), and Undergraduate Student Training in Academic Research (U*Star) Programs funded by NIGMS, NIH.
1998 - 2003	Organizer and lecturer, Harbor-UCLA campus-wide Basic Science Conference
1990 - 2003	Mentor and Committee member, Summer Student Fellowship Program, Harbor-UCLA Medical Center.
2002 - 2003	M.S. Thesis Advisor, Rose Robel, CA State University, Dominguez Hills.

1997 - 1999	Thesis title: RXR α -Mediated Pathways in GSH Synthesis. M.S. Thesis Advisor, Catherine Cowan, California State University, Dominguez Hills.
1996 - 1997	Thesis title: Palmitoyl CoA (C16:0)-CoA) Rescues Human Hepatoma Cells (Hep3B) from Retinoid-induced Apoptosis. Director, Pathology Course, Biomedical Science Program, University of California, Riverside.
1995 - 1996	Organizer, biweekly research journal club, Department of Pathology, Harbor-UCLA Medical Center
1994 - 1996	Co-Director, General Pathology, Biomedical Science Program, University of California, Riverside.
1993 - 1997	Lecturer, General Pathology, Biomedical Science Program, University of California, Riverside.
1992 - 1997	Lecturer, Clinical Immunology, School of Medical Technology, Harbor-UCLA Medical Center

Faculty and Researcher Mentored:

Chun-Yi Wu, Ph.D. (2025-2026) Project Scientist, Department of Pathology & Laboratory Medicine, Department of Neurology, UC Davis.

Xiao-Jing Wang, MD, PhD. (2022- Present) Robert E. Stowell Endowed Chair and Professor in Experimental Pathology, Department of Pathology & Laboratory Medicine, Chief Science Officer, Associate Director for Basic Science, UCD Comprehensive Cancer.

Tahereh Setayesh, Ph.D. (2022 - Present), Project Scientist, Cincinnati Children's Hospital. We are continuing to work and publish together through 2026.

Elizabeth Neumann, PhD. (2023 - 2025) Assistant Professor, Chemistry Department at UC Davis.

Hannah Savage, DVM, PhD, DACVM, Assistant Professor (2023- Present), Department of Pathology, Microbiology, and Immunology, School of Veterinary Medicine, University of California, Davis.

Resmi Ravindran, Ph.D. (2022 - Present), Project Scientist, Department of Pathology & Laboratory Medicine. Ravindran received her first funding under my guidance for studying HCC in canines.

Prasant Kumar Jena, Ph.D. (2019 - Present), Project Scientist, Cedars-Sinai Medical Center in Los Angeles. We are working and publishing together in 2025.

Ying Hu, Ph.D., Professional Researcher (2020 - 2025), Department of Medical Pathology and Laboratory Medicine, UC Davis, 2016 - 2020 (Project Scientist). Ying Hu received an NIH NCI-funded R50 grant in 2019 to work on my NCI-funded grant full-time for five years. Current position: Senior Scientist, IDseq.

Farzam Vaziri, Ph.D. Project Scientist (2020 - 2022), Department of Medical Pathology and Laboratory Medicine, UC Davis. Current position: Senior Development Scientist, Beckman Colter

Hui-xin Liu, Ph.D., Project Scientist, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2016 - 2017. Hui-xin Liu currently has a faculty position in China.

Karen Matsukuma, Ph.D., M.D. Assistant Professor, Department of Pathology and Laboratory Medicine, UC Davis, 2016 – 2017

Yi-Ping (Irene) Shih, Ph.D. Assistant Project Scientist, Department of Biochemistry and Molecular Biology, UC Davis, 2012 – 2017. I am the formal mentor of Dr. Shih's NIH K01 grant entitled "Deleted in liver cancer 1 (DLC1) in liver development and disease", which was funded in September 2013

Yuyou Duan, Ph.D. 2012, Project Scientist; 2013, promoted to Assistant Adjunct Professor, Department of Gastroenterology and Hepatology, UC Davis, 2012-2017

Kun Cheng, Ph.D. Assistant Professor, Department of Pharmaceutical Sciences, UMKC, 2007- 2013. Dr. Cheng received the UMKC Trustee's Faculty Scholar Award and was promoted to Associate Professor with tenure in 2013, Professor in 2017, and Curators' Distinguished Professor in 2019.

Eric C. Huang, M.D., Ph.D. Assistant Professor, Department of Pathology and Laboratory Medicine, UC Davis, 2012 - 2014

Kristin Olson, M.D. Health Sciences Assistant Clinical Professor, Department of Pathology and Laboratory Medicine, UC Davis, 2012 - 2014

Faris Farassati, Ph.D. Associate Professor, Department of Medicine, KUMC, 2011 - 2012

Winston Dunn, M.D. Assistant Professor, Department of Medicine, KUMC, 2011 - 2012

Hui Yang, M.D., Ph.D. Professor, Department of Gastroenterology & Hepatology, First Municipal People's Hospital of Guangzhou, Guangzhou Medical College, China. 2010 - Present.

In 2010, Dr. Yang received a prestigious grant from the National Natural Science Foundation of China (No.81001109).

Maxwell Gyamfi, Ph.D., Research Assistant Professor, Department of Pharmacology, KUMC, 2003-2009, received a faculty position at North Carolina Central University in 2009.

Angela Slitt, Assistant Professor of the University of Rhode Island, received the Outstanding New Environmental Scientist (Goodwin, #24) award in 2008.

Grace Guo, Ph.D., Assistant Professor of Pharmacology, KUMC, received funding from the Building Interdisciplinary Research Careers in Women's Health Scholar, 2005- 2008. She received her first RO1 grant from NIDDK in 2008.

Li Wang, Ph.D., Assistant Professor of Medicine, KUMC. In 2006-2007, she received her first RO1 grant. Dr. Wang is currently a faculty member at the University of Utah.

Bryan Copple, Ph.D., Assistant Professor of Pharmacology at KUMC from 2006 to 2007, received his first RO1 grant in 2007. Dr. Copple is currently an associate professor at Michigan State University.

Xiaobo Zhong, Ph.D., Assistant Professor of Pharmacology at KUMC, received his first RO1 grant in 2009.

Jianghong Zhang, Ph.D., Research Assistant Professor of Pharmacology, KUMC, 2005- 2006

Guoli Dai, Ph.D., Research Assistant Professor of Pharmacology, KUMC, 2003-2008, received his first RO1 grant and a faculty position at Purdue University in 2009.

James Heiner, M.D., Assistant Professor of Obstetrics and Gynecology, UCLA, 1994. Dr. Heiner is a reproductive endocrinologist practicing in Utah.

Postdoctoral Fellows Mentored (performed research projects in my lab):

Huizhen Suo, MD, Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis. 2024- 2025.

Tahereh Setayesh, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis. Awarded a T32 fellowship in 2019 – 2022. Dr. Tahereh is currently a Project Scientist at Cincinnati Children's Hospital.

Snigdha Guha, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2022-2023.

Shahrbano Keshavarz Azizirafar, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2022.

Muhammad Umair Ijaz, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2022.

Karla Damián, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2020- 2021

Xiaofei He, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2020- 2021

Tahereh Setayesh, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2020- 2022, Awarded T32 fellowship in 2019 - 2022.

Guiyan Yang, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2019 – 2022, Current position: Associate Professor, China Agricultural University, Beijing, China.

Prasant Kumar Jena, Ph.D., Postdoctoral Fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2014 - 2019. Dr. Jena received a project scientist position at Cedars-Sinai Medical Center in Los Angeles in 2019.

Lili Sheng, Ph.D., Postdoctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2014 – 2019. Current position: Associate professor, Shanghai University of Traditional Chinese Medicine in Shanghai, China, since 2019.

Ying Hu, Ph.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2011-2012; Department of

Medical Pathology and Laboratory Medicine, UC Davis, 2012- 2016, promoted to project scientist in 2016.

Yuqi He, Ph.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2011-2012; Department of Medical Pathology and Laboratory Medicine, UC Davis, 2012- 2014. Current position: Dean of Research, Guizhou University, China.

Yanliu Lu, Ph.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2011-2012; Department of Medical Pathology and Laboratory Medicine, UC Davis, 2012- 2013

Sidhartha Hazari, Ph.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2011-2012, Project Scientist, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2012- 2013

Hui-xin Liu, Ph.D., Postdoctoral Fellow, Department of Pharmacology, KUMC, 2010-2012; Department of Medical Pathology and Laboratory Medicine, UC Davis, 2012- 2016

Rebecca Marquez, Ph.D., Postdoctoral Fellow, Department of Pharmacology, KUMC, 2009-2011

Hui Yang, Ph.D., Postdoctoral Fellow, Department of Pharmacology, KUMC, 2009-2010, Current position: Chair of Internal Medicine, The Second People's Hospital, Guangzhou, China

Chiu Li Yeh, Ph.D., Postdoctoral Fellow, Department of Pharmacology, KUMC, 2008

Babalola Faseru, M.D., Postdoctoral Fellow, Department of Preventive Medicine, KUMC, 2006-2007

Xiaoxia Yang, M.S., Research Associate, Department of Pharmacology, KUMC, 2006-2009

Minglei Gu, M.D., Ph.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2006-2008

Min Yang, M.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2006-2008

Shiyong Chen, Ph.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2006-2007

Kun Wang, Ph.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2005-2009

Maxwell Gyamfi, Ph.D., Postdoctoral Fellow, Department of Pharmacology, KUMC, 2004-2009

Michael Kocisis, Ph.D., Postdoctoral Fellow, Department of Pharmacology, KUMC, 2003-2004

Huai-Rong Luo, Ph.D., Postdoctoral fellow, Department of Pharmacology, KUMC, 2003-2006

Xiao-xue Zhang, M.D., Postdoctoral fellow, Department of Pathology, UCLA, 2002-2003

Yan Ao, M.D., Postdoctoral fellow, Department of Pathology, UCLA, 2002-2003

James Lafayette Smith, M.D., NIH Minority Supplement, Department of Psychiatry, UCLA, 2001-2003

Hansen Lee, M.D., GI fellow, Department of Medicine, UCLA, 2002-2003

Tony Lee, M.D., GI fellow, Department of Medicine, UCLA, 2002-2003

Jack Feng, M.D., GI fellow, Department of Medicine, UCLA, 2000-2001

Tiane Dai, Ph.D., M.D., postdoctoral fellow, Department of Pathology, UCLA, 2001-2003

Yong Wu, Ph.D., Postdoctoral fellow, Department of Pathology, UCLA, 2001-2003, supported by the American Liver Foundation

Ai-She Leng, M.D., Postdoctoral fellow, Department of Pathology, UCLA, 2001-2003

Ansha Qian, Ph.D., Postdoctoral Fellow, Department of Pathology, UCLA, 1999-2001

Guang Han, M.D., Postdoctoral Fellow, Department of Pathology, UCLA, 1998-2002

Yan Cai, M.D., Postdoctoral Fellow, Department of Pathology, UCLA, 1997-2001

Thomas Magee, Ph.D., Postdoctoral Fellow, Department of Pathology, UCLA, 1997-1998

Emily Lai, M.D., Postdoctoral fellow, Department of Pathology, UCLA, 1995-1996

Chen Li, M.D., Ph.D., Postdoctoral fellow, Department of Pathology, UCLA, 1994-1995

Lai Wang, M.D., Postdoctoral fellow, Department of Pathology, 1990-1995

Deborah Klein, Ph.D., Postdoctoral fellow, Department of Medicine, 1993-1994

James Heiner, M.D., Endocrinology fellow, Department of Obstetrics and Gynecology, UCLA, 1993

Ghassan Samara, M.D., Resident, Department of Surgery, UCLA, 1991-1993

Patricia Eubanks, M.D., Resident, Department of Surgery, UCLA, 1992-1993

Michael Hurwitz, M.D., Resident, Department of Surgery, UCLA, 1991-1992

Mark Sawicki, M.D. Resident, Department of Surgery, UCLA, 1990-1992

Marian Nussmeir, M.D., Resident, Department of Pathology, UCLA, 1991

Visiting Scholars Performed Research Projects in my lab:

Fnu Richa, MD. Pathologist, Adjunct Associate Professor, Tantia Medical College and Research Center, Sri Ganganagar, India, 2026-present

Shuang Dong, MD, PhD, Professor and Attending Physician, Hubai Cancer Center, China, 2024- 2025.
 Yanan Wang, Ph.D., Assistant Professor, Department of Physiology, Institute of Basic Medical Sciences, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, 2019- 2020
 Lijun Wang, Ph.D., Visiting Assistant Professor, Department of Pathology, UCDMC, 2018-2020.
 Yongchun Li, M.D., Associate Chief Physician, Department of Infectious Diseases, Naihail Hospital Affiliated to Southern Medical University. 2017
 Krish Krishnan, Ph.D., Professor of Chemistry at California State University, Fresno, took sabbatical leave and worked in my laboratory. 2016
 Jian-xiong Yu, M.D., Ph.D., Attending Physician, Department of Gastrointestinal Surgery, Wuhan University in Hubei, China. Dr. Yu took sabbatical leave and worked in my lab. 2014- 2015
 Mingli Peng, Ph.D., Associate Professor, Institute for Viral Hepatitis, Chongqing Medical University, Chongqing, China. Dr. Peng took sabbatical leave and worked in my lab. 2012-2013
 Chuanghong Wu, M.D., Director of the Department of Hepatology and Infectious Diseases at Shekou Hospital in Shenzhen, China, took a sabbatical leave to conduct translational research in my lab. 2010- 2011
 Yaming Wei, Ph.D., Professor, Laboratory Director, Department of Medicine, Guangzhou Medical Hospital, China, 2008- 2009
 Yanlei Du, M.D., Associate Professor, Department of Medicine, Guangzhou Medical Hospital, China, 2007-2009
 Yasuki Nagao, M.D., Kyoto Prefecture University, Japan, 1997-1998
 Michio Morimoto, M.D., Kyoto Prefecture University, Japan, 1995-1996
 Mei-Lan Liu, M.D., Hunan Medical University, Japan, 1993-1996
 K Kachi, M.D., Kyoto Prefecture University, Japan, 1993

Graduate Students and Medical Students Mentored:

Alyssa Yomogida, PhD candidate, Pharmacology and Toxicology, PTX299 rotation, Fall 2026.
 Anna Perry, UC Davis Medical Student, CA. Ms. Perry is interested in becoming a physician-scientist. 2025.
 Charles Chen, Taiwan Medical University Student, Taiwan. Mr. Chen, a Texas resident studying abroad, is interested in becoming a physician-scientist. 2025.
 Ziyu Prince Wang, PhD candidate, Department of Chemistry and Chemical Biology, UC Davis. CHE 264 (Spring 2026), co-mentored Mr. Wang with Dr. Xi Chen since 2024 and received an NIH training grant, 2024-present.
 Ha Min Son, PhD candidate, Department of Computer Science, UC Davis. I mentored and provided financial support. 2024 - 2026.
 Rex Liu, PhD candidate, received his PhD in June 2024 from the Department of Computer Science, UC Davis. From 2022 to 2024, I provided financial support and served on the thesis committee.
 Kalyle Kayle Bender, PhD Candidate, Department of Chemistry, UC Davis. I provided financial support and served on the thesis committee. 2022 - 2026.
 Anastasia Abello, PhD candidate in Integrated Pathology, UC Davis. Primary mentor: Dr. Xiao-Jing Wang, from 2022 to the present. I am a co-mentor of Anastasia's training grant.
 Ranjana Ravikumar, a medical student at CA Northstate University, 2019.
 Michelle Hu, PhD student in Pharmacology and Toxicology at UC Davis, lab rotation in Jan 2018
 Anita Wen, PhD student in Pharmacology and Toxicology at UC Davis, lab rotation in Feb 2018
 Ning Chin, PhD student in Integrative Pathobiology at UC Davis, lab rotation in Oct 2017
 Nidhi Nagar, master's student at California State University, East Bay, Hayward, CA, 2016-2018
 Thinh Chau, a UC Davis Medical Student, was awarded the Stowell Medical Student Research Award by the Department of Pathology and Laboratory Medicine and attended course 48319 for PMD 499 research studies in my lab in the summer of 2015.
 Lin Liu, PhD student from the Department of Liver Diseases at Shanghai University of Traditional Chinese Medicine, 2014-2015
 Fan Yang, PhD student from Shanghai University of Traditional Chinese Medicine, 2012- 2014

Chuangyu Cao, MD, a PhD student from Guangzhou Medical College, 2012- 2014
 Qi Zhan, MD, PhD student from Guangzhou Medical College, 2010- 2012 (Qi Zhan has been a physician-scientist in the First Guangzhou Municipal Hospital since he returned to China in 2012)
 Hui Yang, MD, PhD student from Guangzhou Medical College, 2007-2009 (Hui Yang has been a physician-scientist and has a laboratory at Guangzhou Medical College since returning to China in 2009). He was promoted to Vice President of the Second Guangzhou Medical Hospital in 2024.
 Pengli Bu, Ph.D., Department of Pharmacology, KUMC, 2006 - 2009
 Alphonse Mendy, M.S., Department of Pharmacology, KUMC, 2003-2006
 Rose Robel, IMSD graduate student, 2002-2003
 Catherine Cowan, M.S., CA State, Dominguez Hills, 1997-1999

Undergraduate Students Mentored:

Yiting Li, Department of Molecular and Medical Microbiology, UC Davis, PMD199 course, Fall quarter 09/26/2026-12/11/2026
 Larry Li, Department of Molecular and Medical Microbiology, UC Davis, 2026 Edmonson Summer student. Perform research in my lab, 2025-present.
 Milla Lise Castro-Gideon, Third-year Biochemistry and Molecular Biology/Athlete, UC Davis, 2025
 Nicholas Colignon, Third-year Neurobiology, Physiology, & Behavior, Bachelor of Science, UC Davis, 2025-2026.
 Lily Pan, Third-year Clinical Nutrition, UC Davis, 2025
 Trenton Testerman, Genetics and Genomics, UC Davis, 2022-2025, received a BS degree in June 2023 and is working as a junior specialist from July 2023 to 2025. Started a PhD program at the University of Wisconsin in Fall 2025.
 Yutong Ji, Biochemistry and Molecular Biology, UC Davis, 2023- 2024, received a BS degree in June 2024 and is working as a junior specialist in my lab from 2024-2026. Entered an MS program at the University of Pittsburgh in 2026.
 Ashley Chen (Yi-An Chen), Genetics and Genomics, UC Davis, 2024
 William Amato, Biotechnology – Animal Biology Focus, UC Davis, 2023 - 2024
 Pamela Quinsay, Molecular and Medical Microbiology, UC Davis, 2023, Class PMD199
 Kea Tennarie Turqueza, Cell Biology, UC Davis, 2023
 Meera Kohli, Global Disease Biology, UC Davis, 2023
 Cecylia Oliver, BS, Junior Specialist, UC Davis, 2022-2023, received a minority scholarship to enter graduate school at San Diego State University
 Miranda Gilbert, BS, Junior Specialist, 2021-2022
 Shuying Li, Applied Statistics - Computational Track, Minor in Computer Science, Bachelor, UC Davis, 2022
 Rachel Wang, Global Disease Biology, UC Davis, enrolled in Global Disease Biology Senior Research 189 and 189D, as well as PMD199 (Spec Adv Path Study), UC Davis, 2019-2022, entered Clinical Disease Epidemiology, MPH, Yale, 2024, PhD candidate at UC Davis, 2026.
 Sujia Liu, Global Disease Biology, UC Davis, 2020, enrolled in Global Disease Biology Senior Research 189 and 189D as well as PMD199 (Spec Adv Path Study), GDB Practicum Report Title: The role of bile acid in regulating diet-induced obesity and brain functions.
 Atharva Rohatgi, Microbiology, UC Davis, 2019-2020
 Alejandro Escareno, Neurobiology, Physiology, Behavior, UC Davis, 2019- 2020
 Xingru Zhu, Major in Biochemistry and Molecular Biology, UC Davis, 2019- 2020, enrolled in class PMD199 (Spec Adv Path Study)
 Yasser Abdul Bagi, Neurobiology, Physiology, Behavior, UC Davis, 2019- 2020
 Ruixiao Wang, Global Disease Biology, UC Davis, 2019- present, enrolled in class PMD199 (Spec Adv Path Study)
 Lanyi Zhang, Biochemistry, UC Davis, 2019- present, enrolled in class PMD199 (Spec Adv Path Study)
 Levon Joseph Witherspoon, San Mateo Community College, Hugh Edmonson Summer Fellow, 2019
 Lam Truong, Major in Biotechnology with Fermentation/Microbiology emphasis, Department of Plant Sciences, College of Agriculture and Environmental Science, UC Davis, 2019, enrolled in class BIT199

Victor Vela, Major in Neurobiology, Physiology, Behavior, UCLA, 2019

Jiaming Zhou, Economics and Neurobiology, Physiology, Behavior, UC Davis, 2019.

Leyi Wang, Major in Biotechnology with Fermentation/Microbiology emphasis, Department of Plant Sciences, College of Agriculture and Environmental Science, UC Davis, 2018 - 2019

Sharon Kaur Kang, Biological Sciences, UC Davis, 2018 - 2019

Michelle Nguyen, Global Disease Biology, UC Davis, 2017- 2019, enrolled in Global Disease Biology Senior Research 189 and 189D, GDB Practicum Report Title: Coordinate improvement of synaptic decline and NAFLD using prebiotic inulin.

Valeria Wang, Global Disease Biology, UC Davis, 2017- 2018

Kyle McNeil, Environmental Science & Management, UC Davis, 2017- 2018, Hugh Edmonson Summer Fellow

Jennifer Tsverov, Neurobiology, Physiology, and Behavior, UC Davis, 2017 - 2018

Russi Dash, Biology, University of San Francisco, summer 2015 - 2017

Lidsey Dobyns, Neurobiology, Physiology, and Biology, UC Davis, Hugh Edmondson Summer Scholar, UC Davis, 2016

Derrick Ha, B.S., Junior Specialist, 2015 – 2016, entered UMKC Medical School in 2016

Kaitlyn Honeychurch, Biology, UCLA, Hugh Edmondson Summer Scholar, UC Davis, 2015

Tayeb Abbas, Biochemistry, University of Nevada, Reno, Hugh Edmondson Summer Scholar, UC Davis, 2015

Mindy Huynh, Microbiology, UC Davis, 2014 -2015

Isaac Johnson, Biochemistry and Molecular Biology, UC Davis, 2014 - 2015

Ryan Keane, Biology, St. Mary's College of CA, Hugh Edmondson Summer Scholar, UC Davis, 2014

Chinedum U Muo, Biochemistry and Molecular Biology, UC Davis, 2014

Michael Owens, Genetics and Computer Science, UC Davis, 2014

Yee Lee, B.S., Junior Specialist, 2014 - 2015

Jenny Fong, B.S., Junior Specialist, 2014 - 2015

Lisa Teixeira, B.S., Junior Specialist, 2014- 2016, graduated from Albany Medical College in 202, urology residency at the University of Wisconsin in 2022

Thinh Chau, B.S., Junior Specialist, 2013- 2014 (entered UC Davis Medical School in 2014)

Irene Ly, B.A.S., Junior Specialist, 2013- 2014

Jessica Tsuei, B.S., UC Davis, Junior Specialist, 2012-2014 (entered Medical School in 2014)

Zoe Raglow, B.S., Honor Program in Human Biology, University of Kansas, Research Assistant, 2010 - 2012 (Zoe Raglow entered KUMC Medical School in 2013)

Carly Thomas-Perry, B.S., Honor Program in Molecular Biology, William Jewell, Kansas, Research Assistant, 2010 - 2012

Nathan Verlinden, Pharm D Program, Drake University, ASPET Summer student, 2010, 2011

David Johnson, M.S., Research Assistant, 2009-2011

Nathan Bushue, B.S., Research Assistant, 2009-2010

Natali Navarro Cazarez, B.S. Research Assistant, 2008-2010

Matthew Wortham, B.S., Research Assistant, entered the PhD program at Duke in 2007, 2006-2007

Graham Reimer, Pepperdine University, 2006 Summer

Benjamin Petelin, B.S., Research Assistant, 2005-2006

Bill Alloumanis, B.S., Research Assistant, 2004-2005

Katrina Larson, B.S., University of Kansas, 2005 Summer

Julia Wu, K-BRIN scholar, University of Kansas, 2004 Summer

Takamura Masatoshi, Purdue University, 2003 and 2004 Summer

Nathan Chiu, B.S., University of Kansas, 2003-2005

Hao Lee, UC Berkeley, 2003 Summer

Jessy Averlar, Bridge Program student, 2003

Ruffin Lee Swain, Bridge Program student, 2003

Edward Chen, UC San Diego, Summer student, 2003

Jonathan Aquiloman, Bridge Program student, 2001; Rise Program student, 2002; U*Star student, 2003

Victoria Njoku, Stanford University, 2002 Summer

Kelly Huang, UC Berkeley, 2002 Summer
 Freddy Freire, Bridge Program student, 2002-2003
 Rafael Nunez, Bridge Program student, 2001-2002
 Gloria Guzman, Bridge Program student, 2001-2002
 Elberth Pineda, Bridge Program student, 2001-2002
 Oscar Carlos, Bridge Program student, 2001
 Monica Ortega, UCLA, 2001 Summer
 Kimberly Kelsey, California Institute of Technology, 2000 Summer
 Christopher Liu, B.S., Pepperdine University, 1999-2000

Research Grants:

Recent Research Projects:

NIH/NIDDK (R01DK140492) 09/01/2026-05/31/2030
 Project Title: A Novel Nanodrug for Metabolic Disease Treatment
 Award amount: \$3,210,428
 My Role: PI

Incentives for the Large Grant Program 7/1/2025-6/30/2027
 College of Letters and Science, UC Davis
 Project Title: Targeting hepatocellular carcinoma (HCC) via inhibition of galectin-1
 Award Amount: \$80,000
 My Role: Co-Principal Investigator with Dr. Xi Chen

Colorado Head and Neck Cancer SPORE seed grant 9/1/2025-8/31/2026
 Title: Disparities in Metabolic Pathology of Head and Neck Cancer, Developmental Research Program
 Award Amount: \$30,000
 My Role: Principal Investigator

UCD Global Affairs, UC Davis 4/1/2025-3/31/2027
 Project Title: Integrative Genomics and Transcriptomics Approaches to Explore the Genetic Landscape for Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) in Lean Individuals
 Award Amount: \$20,000
 My Role: Co-Principal Investigator
 International collaborators: Dr. Wei-Chao Zhang, Co-PI, Dean of the College of Pharmacy at Taipei Medical University

NIH, NIDDK (1R56DK140492-01) 9/2/2024-5/31/2026
 Title: A Novel Nanodrug for Metabolic Disease Treatment
 My Role: Principal Investigator
 Award Amount: \$594,547

School of Medicine, Office of Research, UC Davis 7/1/2024-6/30/2025
 Reaching Across the Causeway (RAC) Award
 Project Title: Characterization of Canine Hepatocellular Carcinoma Leading to Treatment
 Award Amount; \$50,000
 PI: Resmi Ravindran
 My Role: Co-Investigator

The PREVENT Program, NIH/NCI (1518400-0) 9/15/2022-12/14/2025
 Project Title: Microbial Metabolite Mimicry, a Nano-drug for Colon Cancer Prevention
 My Role: Principal Investigator

Award Amount: \$671,289

California Department of Public Health (18-10925) 07/01/2019-06/30/2025
Project Title: Dietary-modulated Bile Acid Signaling in Regulating Cognitive Health and Dysfunction
My Role: Lead PI
Award Amount: \$2,720,804

NIH, NCI (1R01CA222490) 02/01/2018-01/31/2025
Project Title: Liver Cancer Therapy by MiR-22 and Its Inducers
My Role: Principal Investigator
Award Amount: \$2,096,543.

Previously Funded Research Grants:

Harbor-UCLA Research and Education Institute 1989-1990
Initial Research Lab Support
My Role: PI

NIH, NICHD (P30 Center grant) 1989-1992
The Population Research Center was funded to Harbor-HCLA
PI: Ronald Swerloff, M.D.
My Role: Co-Investigator and the Associate Director of the Morphology Core

The California Institute for Cancer Research 1990-1991
The Retinoic Acid Receptors, C-myc, and Alpha-fetoprotein Gene Expression during the Development of Human Hepatocarcinoma.
My Role: PI

Research Committee Grants, Harbor UCLA 1990-1991
The Expression of Retinoic Acid Receptor mRNA during Rat Embryogenesis.
My Role: PI

UCLA Harbor Collegium Research Award, Harbor UCLA 1990-1991
My Role: PI

UCLA AIDS Clinic Research Center 1990-1991
UCLA Medical Center
Pathogenic mechanisms in HIV-associated nephropathy.
PI: Arthur Cohen, M.D.
My Role: Co-Investigator

Surgeons Education and Research Center 1990-1993
Department of Surgery, School of Medicine, UCLA
Oncogenesis of Gastrinoma.
PI: Edward Passaro, M.D.
My role: Co-Investigator and mentor for surgery residents

Harbor-UCLA Research and Education Institute 1991
Common Equipment Grant (Beckman ultracentrifuge rotor)
My Role: PI

Research Committee Grants, Harbor UCLA 1992-1993
The Longitudinal Expression of Endometrial EGF Receptor mRNA throughout the Menstrual Cycle in

Normal Women PI: James S. Heiner, M.D. My Role: Dr. James Heiner's mentor	
NIH, NIAAA (R01 grant) Mallory Body Induced by Alcohol and Drugs PI: Samuel French, M.D. My Role: Co-Investigator	1993-2003
UCLA, Academic Senate Regulation of Retinoid X Receptor in Hepatoma Cells My Role: PI	1993-1994
NIH, NIMH (P30 Center grant) Research Center on the Psychobiology of Ethnicity PI: Keh-Ming Lin, M.D. My Role: Co-Investigator and Pharmacogenomic Core Director	1993-2001
UCLA, Academic Senate Dual Effects of Retinoic Acid on Regulation of the α -Fetoprotein Gene My Role: PI	1995-1996
Research Committee Grants, Harbor-UCLA Characterization of Retinoic Acid Resistant Teratocarcinoma Cell Lines My Role: PI	1995-1996
UCLA, Dean's Office, Bridge Grants My Role: PI	1996
UCLA, Academic Senate The Roles of Retinoic Acid Receptor in Breast Cancer My Role: PI	1996-1997
UCLA, Academic Senate Peroxisome- and Non-Peroxisome-Induced Liver Hyperplasia My Role: PI	1997-1998
Harbor-UCLA Research and Education Institute Common Equipment Grant (Kodak Imaging System) My Role: PI	1997
Harbor-UCLA Research and Education Institute Equipment Replacement Grant (Beckman Scintillation Counter) My Role: PI	1997
Tobacco-Related Disease Research Program Nicotine Pharmacogenetics: Influence of Ethnicity PI: Russell Poland, Ph.D. My Role: Co-Investigator	1997-2000
NIH Harbor-UCLA Initiative for Minority Student Development PI: Christina Wang, M.D.	1997-2003

My Role: Co-Investigator	
NIH, NIAAA (R01 grant) Lipid Peroxidation in Alcoholic Liver Disease PI: Samuel French, M.D. My Role: Co-Investigator	1997-2003
Research Committee Grants Harbor-UCLA Research and Education Institute The Role of PPAR α and RXR α in Liver Regeneration My Role: PI	1998-1999
Harbor-UCLA Research and Education Institute Common Equipment Grant (Abbott Cell Counter) My Role: PI	1999
Harbor-UCLA Research and Education Institute Common Equipment Grant (BioRad Densitometer) My Role: PI	2000
Tobacco-Related Disease Research Program Transdermal Nicotine for Smokers with Schizophrenia PI: Keh-Ming Lin, M.D. My Role: Co-Investigator and Pharmacogenomic Core Director	2001-2004
NIH, NIMH (R01 grant) Ethnic Variations in Antidepressant Response PI: Keh-Ming Lin, M.D. My Role: Co-Investigator and Pharmacogenomic Core Director	2001-2006
NIH, NIAAA (R01 grant, AA014147) SAmE, RXR α -mediated Pathways and ALD My Role: PI	2002-2005
Harbor-UCLA Research and Education Institute Common Equipment Grant (Real-time PCR) My Role: PI	2002
Vidaza-Pharmion Co. Phase I study of Vidaza in combination with cisplatin in the treatment of recurrent/metastatic squamous cell carcinoma of head and neck. PI: Chung-Tsen Hsueh, M.D. My Role: Co-Investigator	2005-2007
NIH, (P20RR016475) The INBRE Program of the National Center for Research Resources Pilot Study Award to Dr. Guoli Dai: PXR Activation and Liver Regeneration PI: Joan Hunt, Ph.D. My Role: Dr. Guoli Dai's mentor	2005-2006
NIH (P20RR015563) Center for Cancer Experimental Therapeutics Centers of Biomedical Research Excellence (COBRE)	2006-2008

First Award to Dr. Guoli Dai: Nrf-2 ARE Pathway: Discovery of Novel Chemopreventive Compounds
 PI: Barbara Timmermann
 My Role: Dr. Guoli Dai's mentor

Paul J. Patton Trust 2006-2007
 Pharmacogenomic Study in Patients of Acute Lymphoblastic Leukemia Receiving Chemotherapy
 My Role: PI

NIH (5R21AA017960-02) 2009-2011
 Treating Alcoholic Liver Fibrosis by Reversal of Type 1 Collagen
 PI: Kun Cheng, Ph.D.
 My Role: Co-investigator

NIH, NIAAA (R01 grant, AA012081) 2000-2011
 Alcohol Pharmacogenetics in Mexican Americans
 My Role: PI

NIH, NIAAA (R01 grant, AA012081, ARRA supplement) 2010-2011
 Alcohol Pharmacogenetics in Mexican Americans
 My Role: PI

NIH (P20, RR021940) 2006-2012
 Nuclear Receptors in Liver Health and Disease
 Centers of Biomedical Research Excellence (COBRE)
 PI: Curtis Klaassen, Ph.D.
 My Role: Co-PI, Co-Director of the Administrative Core, the Director of Molecular Biology Core, Mentor

NIH/NIEHS (2T32 ES007079-26A2) 2006-2012
 Training Program in Environmental Toxicology
 PI: Curtis Klaassen, Ph.D.
 My Role: Co-Investigator

NIH, NCATS (3 UL1TR000004-07S2) 2012-2015
 Engaging the University of California Stakeholders for Biorepository Research
 PI: Las Berglund
 Role: Co-Investigator

UC Davis School of Medicine 2015-2016
 Interdepartmental Seed Grant: Colon Cancer Carcinogenesis
 Project Title: Colon Cancer Carcinogenesis
 My Role: PI

NIH, NCI (R01 grant, CA053596-25) 1991-1996
 Project Titles:
 Retinoic Acid Receptor, α -Fetoprotein and Hepatoma 1996-1999
 Retinoic Acid Receptor, α -Fetoprotein and Hepatoma 1999-2004
 Retinoids, Xenobiotic Metabolism and Tumor Promotion 2004-2009
 Retinoids, Nuclear Receptors, and Hepatocyte Proliferation 2010-2016
 My Role: PI

NIH, NIDDK (1R01DK092100-04A1) 2011-2017
 Project Title: Retinoic Acid and Its Receptors in the Liver
 My Role: PI

NIH, NIAAA (1R01AA021510-03)	2012-2017
Project Title: Targeted delivery of PCBP2 siRNA for treating alcoholic liver fibrosis	
The goal of this project is to treat alcoholic liver fibrosis in experimental animals via blocking the expression of PCBP2 using a targeted siRNA nanocomplex.	
PI: Cheng, Kun, Ph.D.	
My Role: Co-Investigator	
Committee of Research, UC Davis	2016-2017
Initiatives and Collaborative Interdisciplinary Research Grants	
Project Title: Colon Cancer Carcinogenesis Controlled by Bacterial and Host Metabolites	
My Role: PI	
UC Davis Alzheimer's Disease Center Pilot Program	2017-2018
The Effect of Dietary Fiber in Western diet-induced Alzheimer's disease Models.	
My Role: PI	
UC Davis Science Translation and Innovation Research (STAIR) Grant Program	2017-2018
Project Title: Combined Retinoids and HDAC Inhibitors in Metabolic Disease Treatment	
My Role: PI	
National Psoriasis Foundation	2018-2019
Project Title: An experimental mouse model to understand the pathological role of the Western diet in psoriasiform dermatitis	
PI: Samuel Hwang, UC Davis	
My Role: Co-investigator	
NIH, NIDDK (5U24DK076169-13)	2019-2020
Coordinating and Bioinformatics Unit for the MMPC/DiaComp	
National Mouse Metabolic Phenotyping Centers (MMPC): Mouse Microbiome Research Program	
Project Title: Mouse Microbiome and Liver Tumorigenesis (30835-60)	
My Role: PI	
UCD Comprehensive Cancer Center pilot study	08/2019-03/2021
Project Title: Gut Microbial-Derived Nano-drugs for Colon Cancer Treatment	
My Role: Co-PI with Ruiwu Liu	
UCD Comprehensive Cancer Center pilot study	08/2019-03/2021
Project Title: Gut Microbiota-regulated ROR γ t as a target for liver cancer prevention and treatment	
My Role: Co-PI with Hongwu Chen	
UCD Comprehensive Cancer Center pilot study	08/2019-03/2021
Project Title: Novel role of glypican-3 in cancer-induced immunosuppression	
My Role: Co-PI with Tsung-Chieh Shih	
UCD Comprehensive Cancer Center pilot study	08/2019-03/2021
Project Title: Liver cancer immunotherapy using a galectin-1 inhibitor	
My Role: Lead-PI, Co-PI with Tsung-Chieh Shih	
NIH, NCI (1 U01 CA179582)	2014-2021
Project Title: The Role of Probiotic Bifidobacteria and Bile Acid Metabolism in Carcinogenesis	
My Role: Lead PI	

NIH (SC3 GM125546) 07/01/2018-06/30/2022
Project Title: Effect of Western Diet in Gastrointestinal Cancer by NMR Metabolomics
PI: Krish Krishnan, California State University, Fresno
My Role: Co-investigator

National Psoriasis Foundation A21-0753 08/1/2020-07/31/2022
Project Title: Dietary determinants of susceptibility to IL-23-mediated, psoriasis-like skin and joint inflammation
PI: Samuel Hwang
My Role: Co-investigator

NIH, NIAAA (2 R01 AA021510-06) 2018-2023
Project Title: Combination of therapy using siRNA nano-complex and PD-L1 inhibitor for alcoholic liver fibrosis
PI: Cheng Kun, University of Missouri in Kansas City
My Role: Co-Investigator

UCD Global Affairs, UC Davis 2020-2023
Project Title: Microbial Metabolite Mimics - Drug Discovery to Treat Cancer and Metabolic Disease
My Role: Principal Investigator
Other International collaborators:
Dr. Jing-Ping Liou, Dean of the College of Pharmacy at Taipei Medical University
Dr. Wan-Chen Huang, the Director of the Single Molecule Biology Core Lab at the Academia Sinica

NIH, NCI (1R50CA243787) 2019-2024
Project Title: Gut Microbiota-derived Signaling in Liver Carcinogenesis and Cancer Treatment
This grant supports 100% of the effort of Dr. Ying Hu (PI) to work on the parent grant (1R01 CA222490)
My Role: Mentor and PI of the parent grant
Award Amount: \$795,375

California Department of Public Health (20-10079)
2022-2025
Project Title: Racial/Ethnic Disparities in Metabolic Dysfunction and Alzheimer's Disease: The Diet-Gut-Liver-Brain Axis
My Role: Principal Investigator
Award Amount: \$1,000,000

Patent:

Title of Invention: Compositions Comprising HDAC Inhibitors and Retinoids

Appl. No: 17/522,405

U.S. Patent Application Publication: US20220241227A1

International Patent Publication (PCT): WO2020232399A1

Assignee: The Regents of the University of California (specifically developed by researchers at UC Davis).

Inventors: Yu-Jui Yvonne Wan, Kit Lam, Ruiwu Liu.

Summary: The composition comprises conjugates with a polymeric backbone (such as polyvinyl alcohol) covalently linked to histone deacetylase (HDAC) inhibitors (such as butyrate) and retinoids (such as all-trans retinoic acid). It is primarily designed to prevent or treat cancer and metabolic diseases in the colon or liver.

Lectures and Presentations:

1. Lecturer, Molecular Biology Workshop, Institute of Microbiology, Academia Sinica, China. July

- 1986.
2. Head, Molecular Biology Workshop, Veterans General Hospital, Taiwan, July 1988.
3. "Application of Polymerase Chain Reaction", Department of OB/GYN, UCLA, School of Medicine, October 1990.
4. "The Roles of Retinoic Acid in Hepatoma - A Laboratory Progress Report", lecture presented in the course of Biotechnology in Diagnostic Pathology, Department of Pathology, Harbor-UCLA Medical Center. January 1991.
5. "Introductory Molecular Biology", lecture presented at Harbor-UCLA Medical Center, School of Medical Technology, lecture series in clinical immunology. January 1991.
6. "Introduction to Molecular Pathology," Biotechnology in Diagnostic Pathology, Department of Pathology, Harbor-UCLA Medical Center. April 1991.
7. "Probes and In-situ Hybridization", lecture presented in the course of Biotechnology in Diagnostic Pathology, Department of Pathology, Harbor-UCLA Medical Center, May 1991.
8. "Retinoic Acid Regulates Liver-Specific Gene Expression in Hepatoma Cells", The 73rd annual meeting of the Endocrine Society. June 1991.
9. "Retinoic Acid, Its Receptors, and Hepatoma", Combined Endocrinology Seminar, UCLA, School of Medicine, and July 1991.
10. "Retinoic Acid and Its Receptors", Grand Rounds, Department of Pathology, Harbor-UCLA Medical Center. November 1991.
11. "Molecular Mechanisms of the Mammalian Embryo Development", Guest lecture presented at the Chinese Air Force General Hospital, Taipei, Taiwan, December 1991.
12. "The Family of Steroid/Thyroid Receptors: Current Concept of Nuclear Receptors", Research Seminar presented at the National Defense Medical School, Taiwan, December 1991.
13. "Molecular Mechanisms of Mammalian Embryo Development: Role of Steroid Hormone Receptors", Guest lecture presented at the Academia Sinica, Institute of Molecular Biology, Taipei, Taiwan, January 1992.
14. "Introduction to Molecular Biology", two-hour lecture presented at Harbor-UCLA Medical Center, School of Medical Technology, lecture series in clinical immunology. February 1993.
15. "The Interaction between Nuclear Receptors", Grand Round, Department of Pathology, Harbor-UCLA Medical Center. April 1993.
16. "Nuclear Hormone Receptor Interaction", Combined Endocrine Conference, Departments of Medicine, Pediatrics, and Obstetrics/Gynecology, UCLA, School of Medicine. September 1993.
17. "The Regulation of α -Fetoprotein Gene", Research Seminar, Department of Pathology, UCLA, School of Medicine. October 1993.
18. "Introduction to Molecular Pathology", two-hour lecture presented at Harbor-UCLA Medical Center, School of Medical Technology. February 1994.
19. "Molecular Biology - Principles and Application", Biological Psychiatry Module, Department of Psychiatry, Harbor-UCLA Medical Center. April 1994.
20. "Retinoic Acid Induces Differentiation and Antiproliferation of Hepatoma Cells," International Symposium on Cancer and AIDS Research, Invited speaker and moderator of Hepatoma session, National Taiwan University. September 1994.
21. "Molecular Pathology - Principles and Application", Harbor-UCLA Medical Center, School of Medical Technology, lecture series in Clinical Immunology, February 1995.
22. "Regulation of the AFP Gene Mediated by Retinoic Acid", Invited speaker, Workshop on Biological Role of AFP, The 23rd ISOBM meeting. September 1995.
23. "Retinoic Acid and Cancer", Department of Surgery, Department of Veterans Affairs, Medical Center, West Los Angeles. September 1995.
24. "Retinoic Acid, its Receptors, and Hepatoma", 1995 Richard Weitzman Memorial Research Award. Harbor-UCLA Medical Center. October 1995.
25. "Principles and Application of Molecular Biology", Department of Psychiatry, Harbor-UCLA Medical Center. March 1996.
26. "Molecular diagnosis" and "Retinoic Acid, Liver development and Carcinogenesis", Department of Pathology, University of West Virginia. July 1996.

27. "The Role of Retinoic Acid in Liver Carcinogenesis", Division of Biomedical Sciences, University of California, Riverside. October 1996.
28. "Retinoic Acid, Its Receptors, and the Liver", Department of Pathology, Cedars-Sinai Medical Center. November 1996.
29. "Retinoic Acid and Hepatocarcinogenesis", Koo Foundation, Sun Yat-Sen Cancer Center, Taipei, Taiwan. December 1996.
30. "AFP-A Multiple Hormone Responsive Gene", Institute of Cell & Molecular Biology, Taipei Medical College, Taipei, Taiwan. December 1996.
31. "AFP-A Multiple Hormone Responsive Gene", National Cancer Institute, Taipei, Taiwan. December 1996.
32. "The Mighty Morph RXR", The Basic Science Conference, Harbor-UCLA Medical Center. April 1997.
33. "Pharmacogenetics of CYP2D6 and CYP2C19 in Mexican Americans", The 5th International Conference of the Pacific Rim Association for Clinical Pharmacogenetics, San Diego, CA. May 18, 1997.
34. "Genetics and Nutrition", TV interview by International Channel, Teatime. September 12, 1997.
35. "A complex interplay of trans-acting factors is responsible for the retinoic acid-mediated regulation of the α -fetoprotein gene in hepatoma cells", invited plenary lecture speaker, The 3rd Joint Cancer Conference, Taipei, Taiwan. 1998.
36. "Retinoic Acid and its Receptors", invited speaker at the Student Training in Academic Research Symposium (STARS), California State University, Dominguez Hills. May 1998.
37. "The Regulation of Oncodevelopment Gene", Perinatal Biology Research Conference, Harbor-UCLA Medical Center. October 1998.
38. "Ethnicity and CYP2D6 genetic polymorphism", invited speaker at the 7th International Symposium of Pacific Rim Association for Clinical Pharmacogenetics, Taipei, Taiwan. April 13-15, 1999.
39. "The Expression and Regulation of the AFP Gene", Liver Study Unit, Third Department of Internal Medicine, Kyoto Prefectural University of Medicine, Kyoto, Japan. April 1999.
40. "The Interplay between AFP and RXR α ", The Molecular Retinoid Meeting, City of Hope, Duarte, CA. April 1999.
41. "Targeting of the RXR α Gene in the Liver", The Molecular Retinoid Meeting, City of Hope, Duarte, CA. October 1999.
42. "Targeted Disruption of the RXR α Gene in Hepatocyte Blocks Multiple Physiological Processes", Department of Pathology Grand Round, Harbor-UCLA Medical Center. February 2000.
43. "The Impact of Retinoic Acid in Cholesterol, Fatty Acid, Bile Acid, and Xenobiotic Metabolism", special lecture, Taipei Medical College, Taipei, Taiwan. June 2000.
44. "The peroxisome proliferator-activated receptor α -mediated pathways are altered in the liver-specific RXR α knockout mouse", International Association for the Study of the Liver Disease, Fukuoka, Japan. June 2000.
45. "Targeted Disruption of the RXR α Gene in Hepatocyte", Invited speaker in Academia Sinica, Taipei, Taiwan, June 2000.
46. "Further Characterization of the Hepatocyte RXR α Deficient Mice", The Molecular Retinoid Meeting, City of Hope, Duarte, CA. November 2000.
47. "Alcohol Pharmacogenetics in Mexican Americans", Research Center for Alcoholic Liver and Pancreatic Diseases, SCARG Translational Research Conference, USC, September 2001.
48. "Interaction between Nuclear Receptor and Cytochrome P450 Genes", The Pacific Rim Association for Clinical Pharmacogenetics, Hong Kong, October 2001.
49. "Functional Role of RXR α in the liver," National Taiwan University, Taipei, Taiwan, October 2001.
50. "Molecular Medicine" Taipei Medical University, Taipei, Taiwan, October 2001.
51. "The Impact of RXR α in the Liver: from fatty acid, cholesterol, and xenobiotic metabolism to sexual dimorphism," Taipei Medical University, Taipei, Taiwan, October 2001.
52. "Retinoids, Alcohol, and Liver" special lecture, Research Center for Alcohol Liver & Pancreatic Diseases Cirrhosis Research Program, USC, December 2001. This lecture is posted on the Internet website http://www.usc.edu/schools/medicine/research/alcohol_center/mm.html

53. "The Functional Role of Hepatocyte Retinoid X Receptor α in the Liver: From Cholesterol, Fatty Acid, and Carbohydrate to Ethanol Metabolism" National University of Singapore, March 2002.
54. "Retinoic Acid, Its Receptors and the Liver" Department of Gastrointestinal Medical Oncology and Gastrointestinal Cancer Research Program in the Division of Cancer Medicine, University of Texas M. D. Anderson Cancer Center. May 2002.
55. "The Functional Role of Hepatocyte Retinoid X Receptor α in the Liver: From Cholesterol, Fatty Acid, and Carbohydrate to Ethanol Metabolism" Grand round, Department of Pathology, Harbor-UCLA Medical Center. May 2002.
56. "Retinoic Acid, Its Receptors and the Liver" Growth Factor and Signaling Seminar Series, Department of Medicine, University of California, Irvine. June 2002.
57. "Functional Role of RXR α in Hepatocyte: From Fatty Acid and Carbohydrate to xenobiotic Metabolism" Invited speaker for Orphan & Nuclear Receptors- Strategies for New Therapeutic Interventions, Organized by Knowledge Foundation. San Diego, CA, June 2002.
58. "Hepatocyte RXR α -Deficient Mice Have Reduced Food Intake, Increased Body Weight, and Improved Glucose Tolerance" Presenter and Chair for Thyroid, Retinoid & Orphan Receptor Session, The Endocrine Society's 84th annual meeting, San Francisco, CA, June 2002.
59. "Functional Role of RXR α in Hepatocyte: From Fatty Acid, Carbohydrate to Alcohol Metabolism" Department of Gastroenterology, Juntendo University School of Medicine, Tokyo, Japan. August 2002.
60. "RXR α -the Center of the Metabolic Pathways" National Health Research Institute, Taipei, Taiwan. August 2002.
61. "Retinoids and the Liver" Loyola Marymount University, Bench to Bedside-Translating Basic Research to Clinical Application. October 2002.
62. "Alcohol Pharmacogenetics in Mexican Americans." Invited speaker for workshop on Alcohol Use and Health Disparities 2002: A Call to Arms. NIAAA, Bethesda, MD, December 5, 2002.
63. "RXR α -the Center of the Metabolic Pathways" NIH, NICHD, December 6, 2002.
64. "Introduction to Molecular Genetics" PGYII Seminar Series, Neurobiology and Neuropsychiatry. Harbor-UCLA Medical Center. December 11, 2002.
65. "RXR α -the Center of the Metabolic Pathways" Center of Molecular Genetics, University of Connecticut Health Center, January 6, 2003.
66. "RXR α -the Center of the Metabolic Pathways" Liver Center, Albert Einstein College of Medicine, New York, January 8, 2003.
67. "Functional Analysis of RXR α in Vivo" Department of Pharmacology, Toxicology, and Therapeutics, University of Kansas Medical Center, March 20, 2003.
68. "RXR α and Metabolism" Penn State University, University Park, PA. March 31, 2003.
69. "RXR α and Metabolism" University of Colorado Health Center, Denver, Colorado. April 28, 2003.
70. "RXR α -An Animal Model for Xenobiotic Metabolism" Kunming Institute of Zoology, Chinese Academy of Science. Kunming, Yunnan, People's Republic of China. August 2004
71. "RXR α and Alcohol-induced Liver Disease" Beijing University of Chinese Medicine. Beijing, People's Republic of China. August 2004.
72. "Genetic Links to Disease" Mini-Medical School, University of Kansas Medical Center, Kansas. October 2004.
73. "Role of Genetically Altered Animals in Drug Metabolism Research- RXR Model" American Society of Pharmaceutical Sciences. November 2004.
74. "Genetic Influence on Alcoholism" Sigma Xi Seminar Series, University of Kansas. December 2004.
75. "RXR α - the Center of the Metabolism" Department of Molecular and Integrative Physiology, University of Kansas. January 2005.
76. "Vitamin A", Department of Pharmacology, Toxicology and Therapeutics, University of Kansas. March 2005.
77. "Functional Analysis of Retinoid X Receptor α in Hepatocyte" Department of Biochemistry and Molecular Biology, University of Kansas. March 2005.
78. "What Controls Liver Regeneration- A Myth or A Dream" Department of Pharmacology, University

- of Kansas Medical Center, March 2005.
79. "Alcohol Pharmacogenomics in Mexican Americans," University of Pittsburgh, June 2005.
 80. "Psycho, Cancer, Cardiovascular and Addiction Pharmacogenomics" Liver Club, University of Kansas Medical Center, December 2005.
 81. "Psycho and Alcohol Pharmacogenomics" National Health Research Institutes, Division of Mental and Substance Abuse Research, Taiwan, December 2005.
 82. "Nuclear Receptors and Endo/Xenobiotic Metabolism" National Health Research Institutes, Division of Mental and Substance Abuse Research, Taiwan, December 2005.
 83. "Psycho and Addiction Pharmacogenomics" Psychiatry Grand Rounds, The University of Kansas, School of Medicine-Wichita, January 2006.
 84. "My Experience in Serving NIH Study Section", Anything Goes, The University of Kansas, School of Medicine, Department of Pharmacology, February 2006.
 85. KU Center for Healthcare Informatics Grand Rounds, Genomic Information, Reaction Panel, April 2006.
 86. "Pharmacogenomics", Taipei Medical University, June 2006.
 87. "The Role of RXR α in Liver Xenobiotic and Endobiotic Metabolism," University of Rochester, Department of Pathology and Urology, New York, July 2006.
 88. "Retinoids and Retinoid Receptors", Kansas Masonic Cancer Research Institute, Cancer Risk Assessment, Prevention and Control Program, KUMC, October 2006.
 89. "Retinoic Acid, Its Receptors, and Liver", Faculty Research Day, KUMC, November 9, 2006.
 90. "Functional Analysis of RAR β and RXR α ", Taipei Medical University, December 5, 2006.
 91. "Retinoid-mediated Regulation of CYP3A Expression", Department of Pharmacology, KUMC, February 14, 2007.
 92. "Nuclear Receptors, Liver, and Longevity" Liver Club, KUMC, January 11, 2007.
 93. "Psycho and Addiction Pharmacogenomics", Department of Psychiatry & Behavioral Sciences Grand Rounds, February 16, 2007.
 94. "Haplotyping of CYP2E1 and DRD2 and Its Association with Alcoholism", Taipei Psychiatry Hospital, September 11, 2007.
 95. "The Introduction of the Liver Center", Liver Club, KUMC, October 4, 2007.
 96. "Hepatocyte retinoid x receptor α in regulating liver inflammatory response", Great Lakes Nuclear Receptor Meeting, University of Pittsburgh, October 19, 2007.
 97. "Research Approaches to Alcohol Abuse" Woman in Medicine and Science Presentation series. KUMC, November 14, 2007.
 98. "Pharmacogenomics-Personalized Medication" Taipei Medical University, Affiliated Hospital, April 3, 2008.
 99. "Nuclear Receptors in Liver Health and Disease," National Cheng Kung University, Tainan, Taiwan, April 7, 2008.
 100. "The Role of Hepatic Nuclear Receptors in Regulating JAK/STAT Pathways", Taipei Medical University, Integrated Graduate School Program, April 8, 2008.
 101. Invited Keynote Speaker, "Functional Analysis of Nuclear Receptors in Steatosis and Steatohepatitis", the Guangzhou-Hong Kong International Symposium on Hepatology. November 16, 2008.
 102. "Functional Analysis of Nuclear Receptors in Steatosis and Steatohepatitis", this talk was given in three cities (Guangzhou, Shenzhen, and Zhuhai) in China to GI physicians. The purpose was to stimulate translational research and increase the collaboration between basic researchers and physicians. Nov 17-19, 2008.
 103. "Regulation and Polymorphism of Drug Metabolizing Genes" was presented at three institutions in Taiwan: Taipei Medical Hospital (June 10, 2009), Taipei Medical University (June 11, 2009), and Chang Gung Memorial Hospital (June 12, 2009).
 104. "Nuclear Receptor and Hepatocyte Proliferation" National Institute of Cancer Research, National Health Research Institute (NHRI), Taiwan, June 15, 2009.
 105. "Retinoids, Nuclear Receptor, and Hepatocyte Proliferation" Invited speaker, annual meeting of Society of Chinese Bioscientists in America, Taiwan, June 14- 18, 2009.

106. "PXR-mediated Pathways in Liver Health and Diseases," Chemical Biology and Therapeutics Department, St. Jude Children's Research Hospital, Memphis, TN, July 30, 2009.
107. "Nuclear Receptor-mediated Hepatocyte Proliferation, Cell Death, and Liver Injury". City of Hope Medical Center, CA, September 1, 2009.
108. "Nuclear Receptors-mediated Hepatocyte Proliferation" Keynote speaker for Hong Kong and Guangdong Liver Symposium, November 13-14, 2009.
109. "Retinoid-mediated signaling in Regulating Liver Health and Disease", Visiting Professor, University of California, Irvine, July 22-23, 2010.
110. "Functional Analysis of Retinoic Acid and Its Receptor in the Liver," University of Kentucky, October 13, 2010.
111. "Retinoid-mediated signaling in Regulating Liver Health and Disease", Chancellors Club Keynote Address, KUMC Faculty Research Day, Nov 12, 2010.
112. "Retinoid-mediated signaling in Regulating Liver Health and Disease", Visiting Professor, Taipei Medical University, Nov 16, 2010.
113. "Retinoid-mediated signaling in Regulating Liver Health and Disease", University of California, Davis, June 30, 2011.
114. "The Impact of HCV infection in Nuclear Receptor-mediated Signaling Pathways", Keynote speaker, the 5th Hong Kong- Guangdong Symposium on Liver Disease, Guangzhou, July 23-24, 2011.
115. "Genetic Signature of HCV infection and HCV Infection plus Alcohol Drinking in Human Livers", Invited Speaker, the 13th International Symposium of the Society of Bioscientists in America. Guangzhou, China, July 25-29, 2011.
116. "Hepatic Interferon-Stimulated Gene Expression in Chronic Hepatitis C". Invited Speaker, Nanshan Hospital, Shenzhen, China, July 27, 2011.
117. "Retinoid/Hepatocyte RXR α in Liver Function". Invited Speaker, the Liver Center, University of Southern California, December 15, 2011.
118. "Nuclear Receptor-mediated Signaling in Liver Cancer", Cancer Biology Seminar, UC Davis July 2012.
119. "Nuclear Receptors and Liver", Tuesday Club at the Center of Comparative Medicine, UC Davis, September 2012.
120. "Vitamin A and Liver Health", Session III: Developments in Nutrition and Cancer, the 18th Annual Cancer, UC Davis Comprehensive Cancer Center, September 27-28, 2012.
121. "Retinoid-mediated Pathways in Regulating Liver Health and Disease," Visiting Professor, Institute of Chinese Materia Medica, Shanghai University of Traditional Chinese Medicine, Shanghai, China, November 2012.
122. "The Role of Retinoic Acid and Its Receptors in Regulating Lipid Homeostasis", Keynote speaker, the 6th Hong Kong- Guangdong Symposium on Liver Disease, Guangzhou, November 2012.
123. "Pharmacogenomics and Ethnicity", Pathology Resident Lecture, UC Davis Medical Center, August 21st, 2013.
124. "How to Write a Manuscript", UC Davis Medical Center, August 16th, 2013
125. "Retinoid-mediated Signaling in Regulating Liver Pathophysiology, The Brasel Basic Science Conference at Harbor-UCLA Medical Center, October 8, 2013.
126. "Bile Acid-induced Death and Survival of Liver and Colon Cells." "Keynote speaker, the 7th Hong Kong- Guangdong Symposium on Liver Disease, Guangzhou, China, November 23-24, 2013.
127. "Nur77-induced Death and Survival of GI Cancer Cells", Department of Pathology Grand Rounds, Harbor-UCLA Medical Center, January 24, 2014.
128. "Nur77-regulated death and survival of Liver and Colon Cancer Cells", Graduate Group in Nutritional Biology, UC Davis, March 10, 2014.
129. "Gastrointestinal Cancer: Carcinogenesis and Treatment", The grand opening of the Digestive Disease Center in Guangzhou, May 23, 2014.
130. "Liver and Colon Cancer: Carcinogenesis and Potential Treatment", Department of Pathology & Laboratory Medicine Grand Rounds, UC Davis, July 21, 2014.
131. "Bile Acid and GI Carcinogenesis," UC Davis Comprehensive Cancer Center, Annual Symposium,

- September 24, 2014.
132. "GI Carcinogenesis and Potential Treatment", Graduate Institute of Clinical Medical Science, China Medical University, Taichung, Taiwan, October 8, 2014.
 133. "Steatosis and Liver Regeneration", Annual National Fatty Liver Meeting, Guangzhou, China, Nov 27-29, 2015.
 134. "FGF21-regulated metabolism", Acceptance of professorship from Guangzhou Medical College, The First Guangzhou People's Hospital, Guangdong, China, Nov 26, 2015.
 135. "Gut Microbiota and Health", Sen-Sui Hospital, Guangdong, China, Dec 2, 2015.
 136. "Dysbiosis-associated Liver Tumorigenesis- A Model to Study the Effect of Synbiotics for Liver Cancer Prevention and Treatment ", The State of Science Cancer CAM Therapeutics workshop, Bethesda, MD, May 24-26, 2016.
 137. "Metabolism and Proliferation," Taipei Medical University, Taipei, Taiwan, May 31, 2016
 138. "GI Specimen Biobanking: Opportunities for Best Practices and Microbiota-Related Research", Biorepository Management Workshop, 2016 Association of Pathology Chairs National Meeting, San Diego, CA, July 12-15, 2016.
 139. "Bile Acid Metabolites Regulate Mucosal Inflammation". NCI workshop: Modulation of Anti-Tumor Immune Responses by Diet- and Microbiome-derived Metabolites, NCI at Shady Grove, MD, August 29- September 1, 2016.
 140. "The Interaction between Microbiota and Bile Acids in the Development of Liver Diseases". Invited lecture, Northeastern Ohio Medical University, Rootstown, Ohio, November 1, 2016.
 141. "Modulation of Anti-Tumor Responses by Diet- and Microbiome-derived Metabolites", Taipei Medical University. December 19, 2016.
 142. "Gut Microbiota and Liver Health", Liver Research Day, Sun Yat Sen Medical University, Guangzhou, December 21, 2016.
 143. Stuffed and Starved: Dietary Factors of Obesity and Malnutrition, The 2016-2017 UC Davis Campus Community Book Project. February 7, 2017.
 144. "Gut Microbiome and the Development of Liver Disease", Invited speaker at Liver Pathobiology Symposium Workshop entitled "Novel Insights into the Mechanisms of NAFLD and Autoimmune Liver Disease" at the American Society for Investigative Pathology (ASIP), Annual Meeting at Experimental Biology in Chicago, April 23, 2017.
 145. "Nutrition and Obesity" Hugh Edmondson Lecture, UC Davis, July 13, 2017.
 146. "Carcinogenesis modulated by bile acids and gut microbiota", Pathology Department Grand Rounds, UC Davis, August 7, 2017.
 147. "Gut and Skin axis" Presentation to the National Psoriasis Foundation, November 6, 2017.
 148. "Gut, Liver, and Brain", Space Biosciences Research Branch, NASA Ames Research Center, November 7, 2017.
 149. "Endobiotics, Metabolism, and Gut Microbiota", PTX290 Meet the Faculty Seminar Series, School of Veterinary Medicine, UC Davis, November 13, 2017.
 150. "Gut-Liver, Brain and Skin Health" Sun Yat-Sen Medical University, Guangzhou, China, November 21, 2017.
 151. "Gut, Bile Acids, and Systemic Pathobiology", Changsha, Hunan, November 24, 2017.
 152. "Gut Microbiome, Bile Acids, and the Development of Non-alcoholic Steatohepatitis (NASH)", Annual World Congress of Digestive Disease, invited speaker to deliver plenary lecture and chair a section. December 4-6, Fukuoka, Japan <http://www.bitcongress.com/wcdd2017>
 153. "Bile Acids as Intrinsic Links for Western Diet to Induce NASH" 2018 Academia Sinica in Taiwan - UC Davis Bilateral Symposium, invited speaker and session chair of Human Disease. January 22-23, 2018, UC Davis
 154. "Gut Microbiota and Liver Regeneration" invited speaker for the annual Liver Transplantation meeting, Guangzhou, China, Feb 27-28, 2018.
<https://mp.weixin.qq.com/s/fqOy4QPS0tckC0s1qz3Xeq>;
 155. "Gut Microbiome, Bile Acids, and the Development of Systemic Inflammation", Xiamen University, Xiamen, China, March 1, 2018.
 156. "The Development of NASH Influenced by Gut Microbiota", National Cheng Kung University,

- Tainan, Taiwan, June 2018.
157. "Tea, EGCG and Gut Microbiota" Finlays Tea visit to Global Tea Initiative for the Study of Tea Culture and Science, July 18, 2018, UC Davis
 158. "Probiotics Market and Health", BioTaiwan 2018, Taipei, July 20, 2018.
 159. "Probiotics and Human Health," Chung Shan Hospital, Taipei, July 24, 2018
 160. "Liver Carcinogenesis and Gut Microbiota" GI Malignancies Innovation group, UC Davis Cancer Center, August 16, 2018.
 161. Microbiota and Liver Carcinogenesis" School of Pharmaceutical Science, Tsinghua University, October 23, 2018
 162. "Microbiota and Liver Health" Guangdong, Macao, and Hong Kong Digestive Disease 2018, Guangzhou International Convention and Exhibition Center, November 1-2, 2018.
 163. "Gut Microbiota, Tea, and Health", Global Tea Initiative Colloquium, University of California Davis, January 24, 2019; <https://globaltea.ucdavis.edu/2019-colloquium-speakers-and-talks>.
 164. "Gut Microbiota and Health" Annual Stowell Lectureship and Departmental Research Retreat, UCD Health, May 7, 2019.
 165. "Diet, Gut Microbiota, and Health" Society of Chinese Bioscientists in America, Kunming, China, July 24-27, 2019.
 166. "Gut Microbiome-targeted Drug Discovery" Invited Keynote Speaker, 2019 Annual Conference of the Pharmaceutical Society of Taiwan, scheduled on Dec 14, 2019, Taipei, Taiwan.
 167. "Gut Microbiota and Digestive Disease" Tianfu New District People's Hospital and Pengzhou People's Hospital, Sichuan, China. December 17, 2019.
 168. "Gut Microbiome-based Cancer Development and Drug Discovery" UC Davis Comprehensive Cancer Center, Cancer Biology Seminar, Sacramento, Jan 30, 2020.
<https://ucdhs.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=50f00e6d-6d28-4766-89a3-ab1a01280a10>
 169. "Gut Microbiome-based Disease Development and Drug Discovery" Gen-Next Probiotics & Microbiome Congress, Sheraton San Diego Hotel & Marina, San Diego, CA, Feb 6-7.
 170. "Gut Microbiome-based Carcinogenesis and Drug Discovery," Cedars-Sinai Medical Center, Los Angeles, CA, Feb 10, 2020.
 171. "Gut Metabolites Mimicries: Cancer Drug Discovery" Global Impact of EMBA Program at Taipei Medical University, Taipei, Taiwan, September 19, 2020.
 172. "Liver Carcinogenesis and Treatment Targeting Bile Acid Receptor Signaling" Joint cancer workshop between UC Davis Comprehensive Cancer Center and Roswell Park Cancer Institute, Buffalo, NY. April 21, 2021.
 173. "Carcinogenesis and Treatment via the Gut-Liver Axis," Keynote speaker, T32 Oncogenic Signals and Chromosome Biology Retreat, March 9, 2021.
 174. "Time Management: Finding Balance between Personal and Professional Life" Workshop leader for the T32 Oncogenic Signals and Chromosome Biology Retreat, March 9, 2021.
 175. "Obesity as a Risk for Cancer," UC Davis Comprehensive Cancer Center, UC Davis, June 23, 2021.
 176. "Probiotics and Bile Acids" Invited speaker, American Diabetes Association's Scientific Sessions, The Bile Acid Receptor FXR and the Microbiome Symposium. June 25, 2021.
 177. "Nutrition, Gut Microbiota, and Health," Invited Speaker, Global Summer Program, Taipei Medical University, Taiwan, August 16-20, 2021.
 178. "Elucidating dysbiosis-associated mechanisms affecting HCC treatment," Roswell Park and UC Davis cancer program retreat, January 12, 2022.
 179. "Dysbiosis, Liver Carcinogenesis and Treatment" Online Global Summer Program, Taipei Medical University, Taiwan, July 18-22, 2022.
 180. "Microbiota and Bile Acids in Liver Injury" Invited speaker, American Association for the Study of Liver Diseases (AASLD) annual meeting, Washington, DC, Nov 4-8, 2022.
 181. "The Gut Microbiota, Hepatic Inflammation, and Carcinogenesis" VuMedi,
<https://www.vumedi.com/video/th-gut-microbiota-hepatic-inflammation-and-carcinogenesis/>
recorded on Dec 22, 2022.

182. "Gut Microbiota and Tumorigenesis Leading to Drug Discovery for Liver Cancer Treatment" Invited speaker, The American Physiological Society, Section: From human to superhuman: the influence of the gut microbiota on human physiology, Long Beach, CA, April 20-23, 2023.
183. "The Impact of Gut Microbiota on Liver Carcinogenesis Leading to Drug Discovery. Sun Yat Sen the Third People's Hospital, Guangzhou, China, May 22, 2023.
184. "The Impact of Gut Microbiota on Carcinogenesis Leading to Drug Discovery," Invited speaker, The Second Affiliated Hospital of Chongqing Medical University, Chongqing, China, June 5, 2023.
185. "The Impact of Gut Microbiota on Health." Invited speaker, Seminar Presentation at Suzhou Vocational Health College, Suzhou, China, June 12, 2023.
186. "Probiotics Improve Gastrointestinal Functions and Life Quality" Invited Speaker, Presentation at Suzhou City Hospital, Suzhou, China, June 13, 2023.
187. "The Impact of Gut Microbiota on Liver Health, Leading to Drug Discovery," Shanghai University of Traditional Chinese Medicine, Shanghai, China, June 14, 2023.
188. "Gut Microbiota and Metabolic Health" Keynote Speaker, World Congress on Endocrinology, Diabetes, and Metabolism, Chair, Session for the Clinical Endocrinology & Endocrine Neoplasia and Cancer. Rome, Italy, September 7-9, 2023.
189. "Drug Discovery Based on Dysbiosis: Novel Nano-drugs for Digestive Track Diseases," HitGen, Chengdu, China, April 5, 2024.
"Drug Discovery Based on Dysbiosis: Novel Nano-drugs for Liver Cancer Treatment," Nanjing Medical University, Nanjing, China, April 12, 2024.
190. "Novel Options for HCC Treatment," Hubei Cancer Hospital, Wuhan, Hubei, China. July 20, 2024.
191. "Drug Discovery for MASH and Cancer Treatment" Plenary Speaker, 2024 Taipei Medical University RCDM and Taipei Cancer Center Joint International Conference, online, Sep 28, 2024.
192. "Uncovering the Gut-Liver Axis Biomarkers for Predicting Metabolic Burden in Mice," The 2nd International Symposium on Frontiers of Biomedicine and Health, Organized by Huazhong Agricultural University, online, Sep 28, 2024.
193. "Targeting the gut-liver axis for biomarker and drug discovery," Visiting Professor, Institute of Biomedical Sciences, National Chung Hsing University, Taichung, Taiwan, Oct 14, 2024.
194. "The impact of the gut microbiota on health." Visiting Professor, Veteran General Hospital, Taichung, Taiwan, Oct 15, 2024.
195. "Biomarkers for Metabolic Distress," Beijing Agriculture University, Beijing, China, Oct 16, 2024.
196. "Gut microbiota and health," Xiaogyang No. 1 People's Hospital, Affiliated with Hubei University of Medicine, China, Oct 22, 2024.
197. "Metabolic Biomarker Discovery Using Bioinformatics and Machine Learning," Biomedical International Two Rivers Conference, Chongqing, China, Oct 25, 2024.
198. "The Significance of miR-22-Galectin-1 Axis in HCC Treatment," SCBA, Hepatology Division Annual Meeting, San Diego, CA, Nov 13, 2024.
199. "The anti-HCC effects of BCG." Hubei Annual Cancer Conference, Wuhan, Hubei, November 29-30, 2024. Attended remotely.
200. "The anti-HCC effects of BCG." Annual Digestive Disease Translation Conference. Guangzhou, November 29, 2024. Attended remotely.
201. "Applying Machine Learning in Electronic Health Records to Identify the Risks for Alzheimer's Disease," Featured Speaker, California Department of Public Health, Alzheimer's Disease Program Research Symposium. February 7, 2025, CA.
202. "Targeting the Gut-Liver Axis to Treat Cancer," Biochemistry, Molecular and Cancer Biology Program, Loyola University Chicago, Maywood, IL. October 7, 2025.
203. "Round Table Discussion for Career Development", Department of Pathology & Laboratory Medicine, UC Davis, March 11, 2026.
204. "Things we must think about during our lifetime," Taipei Medical University, April 8, 2026, Taipei, Taiwan.
205. "Biomarker Discovery to Drug Design and Efficacy Validation by Targeting the Gut-Liver Axis," National Tsinghua University, Beijing, China, April 27, 2026
206. The Significance of miR-22-Galectin-1 Axis in HCC Development and Treatment. The Annual Meeting

Publications:

Complete List of Published Work in MyBibliography <http://www.ncbi.nlm.nih.gov/sites/myncbi/yui.wan.1/bibliography/43144287/public/?sort=date&direction=ascending>

1. Wu T-C, Wan Y-J, Damjanov I. Rat serum promotes the in vitro development of mouse blastocysts during early somitic stages of embryogenesis. *J Exp Zool.* 1981 Sep;217(3):451-53. doi: 10.1002/jez.1402170318. PubMed PMID: 7338718.
2. Wu T-C, Wan Y-J, Damjanov I. Positioning of inner cell mass determines the development of mouse blastocysts in vitro. *J Embryol Exp Morphol.* 1981 Oct;65:105-17. PubMed PMID: 7334294.
3. Wu T-C, Wan Y-J, Damjanov I. Mouse egg cylinders developed in vitro may form benign and malignant teratoid tumors. *Experientia.* 1982 Jan 15;38(1):128-9. doi: 10.1007/bf01944568. PubMed PMID: 7056355.
4. Wan Y-J, Wu T-C, Damjanov I. Development of early somitic mouse embryos in static culture in vitro. *J Exp Zool.* 1982 Apr 10;220(2):219-25. doi: 10.1002/jez.1402200210. PubMed PMID: 7077268.
5. Wan Y-J, Wu T-C, Damjanov I. Twinning and conjoined placentation in mice. *J Exp Zool.* 1982 May 20;221(1):81-6. doi: 10.1002/jez.1402210110. PubMed PMID: 7097179.
6. Wu T-C, Wan Y-J, Damjanov I. Distribution of Bandeiraea simplicifolia lectin binding sites in the genital organs of female and male mice. *Histochemistry.* 1983;77(2):233-41. doi: 10.1007/bf00506566. PubMed PMID: 6341328.9.
7. Wu T-C, Wan Y-J, Damjanov I. Fluorescein-conjugated Bandeiraea simplicifolia lectin as a marker of endodermal, yolk sac, and trophoblastic differentiation in the mouse embryo. *Differentiation.* 1983;24(1):55-9. doi: 10.1111/j.1432-0436.1983.tb01302.x. PubMed PMID: 6409701.
8. Wan Y-J, Wu T-C, Damjanov I. Immediate and delayed effects of vincristine administered during early postimplantation stages of murine embryogenesis. *J Exp Zool.* 1983 Jul;227(1):49-55. doi: 10.1002/jez.1402270108. PubMed PMID: 6619766.
9. Lee MC, Wu T-C, Wan Y-J, Damjanov I. Pregnancy-related changes in the mouse oviduct and uterus revealed by differential binding of fluoresceinated lectins. *Histochemistry.* 1983;79(3):365-75. doi: 10.1007/bf00491772. PubMed PMID: 6418694.
10. Wu T-C, Wan Y-J, Chung AE, Damjanov I. Immunohistochemical localization of entactin and laminin in mouse embryos and fetuses. *Dev Biol.* 1983 Dec;100(2):496-505. doi: 10.1016/0012-1606(83)90242-7. PubMed PMID: 6653883
11. Wan Y-J, Wu T-C, Chung AE, Damjanov I. Monoclonal antibodies to laminin reveal the heterogeneity of basement membranes in the developing and adult mouse tissues. *J Cell Biol.* 1984 Mar;98(3):971-9. doi: 10.1083/jcb.98.3.971. PubMed PMID: 6365932; PubMed Central PMCID: PMC2113154.
12. Wu T-C, Lee MC, Wan Y-J, Damjanov I. Lectin binding sites of the mouse ovary, intraovarian and ovulated ova. *Histochemistry.* 1984;80(6):527-33. doi: 10.1007/bf02400967. PubMed PMID: 6432745.
13. Ozato K, Wan Y-J, Orrison BM. Mouse major histocompatibility class I gene expression begins at midsomite stage and is inducible in earlier-stage embryos by interferon. *Proc Natl Acad Sci U S A.* 1985 Apr;82(8):2427-31. doi: 10.1073/pnas.82.8.2427. PubMed PMID: 2581247; PubMed Central PMCID: PMC397571.
14. Wan Y-J, Orrison BM, Lieberman R, Lazarovici P, Ozato K. Induction of major histocompatibility class I antigens by interferons in undifferentiated F9 cells. *J Cell Physiol.* 1987 Feb;130(2):276-83. doi: 10.1002/jcp.1041300214. PubMed PMID: 3102507.
15. Kasik JW, Wan Y-J, Ozato K. A burst of c-fos gene expression in the mouse occurs at birth. *Mol Cell Biol.* 1987 Sep;7(9):3349-52. doi: 10.1128/mcb.7.9.3349. PubMed PMID: 3313015; PubMed Central PMCID: PMC367977.
16. Chou JY, Wan Y-J, Sakiyama T. Regulation of rat liver maturation in vitro by glucocorticoids. *Mol*

- Cell Biol. 1988 Jan;8(1):203-9. doi: 10.1128/mcb.8.1.203. PubMed PMID: 2447484; PubMed Central PMCID: PMC363102.
17. Wan Y-J, Levi BZ, Ozato K. Induction of c-fos gene expression by interferons. J Interferon Res. 1988 Feb;8(1):105-12. doi: 10.1089/jir.1988.8.105. PubMed PMID: 2452846.
 18. Wan Y-J, Jiménez-Molina JL, Chou JY. Fetal and variant alpha-fetoproteins are encoded by mRNAs that differ in sequence at the 5' end. Biochemistry. 1988 Sep 20;27(19):7269-76. doi: 10.1021/bi00419a014. PubMed PMID: 2462901.
 19. Chou JY, Wan Y-J. Regulation of expression of the rat alpha-fetoprotein gene. Oxf Surv Eukaryot Genes. 1989; 6:1-31. Review. PubMed PMID: 2483617.
 20. Chou JY, Sartwell AD, Wan Y-J, Watanabe S. Characterization of pregnancy-specific beta 1-glycoprotein synthesized by human placental fibroblasts. Mol Endocrinol. 1989 Jan;3(1):89-96. doi: 10.1210/mend-3-1-89. PubMed PMID: 2492635.
 21. Wan Y-J, Chou JY. Expression of the alpha-fetoprotein gene in adult rat liver. Arch Biochem Biophys. 1989 Apr;270(1):267-76. doi: 10.1016/0003-9861(89)90028-3. PubMed PMID: 2467624.
 22. Wan Y-J, Wang L, Wu T-C. Expression of retinoic acid receptor genes in developing rat livers and hepatoma cells. Lab Invest. 1992 May;66(5):646-51. PubMed PMID: 1315406.
 23. Sawicki MP, Wan Y-J, Johnson CL, Berenson J, Gatti R, Passaro E Jr. Loss of heterozygosity on chromosome 11 in sporadic gastrinomas. Hum Genet. 1992 Jun;89(4):445-9. doi: 10.1007/bf00194320. PubMed PMID: 1352275.
 24. Wan Y-J, Wu T-C. The effects of retinoic acid on the expression of alpha-fetoprotein and albumin genes in rat hepatoma cell lines. Differentiation. 1992 Jun;50(2):107-11. doi: 10.1111/j.1432-0436.1992.tb00491.x. PubMed PMID: 1379951.
 25. Wu T-C, Wang L, Wan Y-J. Retinoic acid regulates gene expression of retinoic acid receptors alpha, beta and gamma in F9 mouse teratocarcinoma cells. Differentiation. 1992 Nov;51(3):219-24. doi: 10.1111/j.1432-0436.1992.tb00699.x. PubMed PMID: 1334013.
 26. Wan Y-J, Wang L, Wu T-C. Detection of retinoic acid receptor mRNA in rat tissues by reverse transcriptase-polymerase chain reaction. J Mol Endocrinol. 1992 Dec;9(3):291-4. doi: 10.1677/jme.0.0090291. PubMed PMID: 1282320.
 27. Wu T-C, Wang L, Wan Y-J. Expression of estrogen receptor gene in mouse oocyte and during embryogenesis. Mol Reprod Dev. 1992 Dec;33(4):407-12. doi: 10.1002/mrd.1080330406. PubMed PMID: 1472372.
 28. Wu T-C, Wang L, Wan Y-J. Differential expression of retinoic acid receptor mRNA during mouse embryogenesis. Development, growth & differentiation. 1992; 34:685-691. doi: 10.1111/j.1440-169X.1992.tb00037.x.
 29. Jih MH, Lu JK, Wan Y-J, Wu T-C. Inhibin subunit gene expression and distribution in the ovaries of immature, young adult, middle-aged, and old female rats. Endocrinology. 1993 Jan;132(1):319-26. doi: 10.1210/endo.132.1.8419130. PubMed PMID: 8419130.
 30. Wu T-C, Lee SM, Jih MH, Liu JT, Wan Y-J. Differential distribution of glycoconjugates in human reproductive tract. Fertil Steril. 1993 Jan;59(1):60-4. PubMed PMID: 8419223.
 31. Wu T-C, Wang L, Wan Y-J. Detection of estrogen receptor messenger ribonucleic acid in human oocytes and cumulus-oocyte complexes using reverse transcriptase-polymerase chain reaction. Fertil Steril. 1993 Jan;59(1):54-9. PubMed PMID: 7678235.
 32. Wan Y-J. Retinoic acid and its receptors. Am J Surg. 1993 Jul;166(1):50-3. doi: 10.1016/s0002-9610(05)80581-1. Review. PubMed PMID: 8392301.
 33. Heiner JS, Wang L, Rutgers JK, Wan Y-J, Cai L, Wu T-C. Endometrial expression of mRNA encoding epidermal growth factor receptor in normal and leiomyomatous uteri throughout the menstrual cycle. Am J Reprod Immunol. 1993 Sep-Oct;30(2-3):68-73. doi: 10.1111/j.1600-0897.1993.tb00604.x. PubMed PMID: 8311933.
 34. Jih MH, Lu JK, Wan Y-J, Wu T-C. Enhanced ovarian inhibin subunit gene expression in aging rats is due to chronic anovulation. Biol Reprod. 1993 Dec;49(6):1208-14. doi: 10.1095/biolreprod49.6.1208. PubMed PMID: 8286603.
 35. Wu T-C Wang L, Jih MH, Wan Y-J. Activin receptor type II gene expression is induced during embryonic development and differentiation of murine F9 embryonal carcinoma cells. Development,

- growth & differentiation. 1993; 35:691-701. doi: 10.1111/j.1440-169X.1993.00691.x.
36. Eubanks PJ, Sawicki MP, Samara GJ, Gatti R, Nakamura Y, Tsao D, Johnson C, Hurwitz M, Wan Y-J, Passaro E Jr. Putative tumor-suppressor gene on chromosome 11 is important in sporadic endocrine tumor formation. *Am J Surg.* 1994 Jan;167(1):180-5. doi: 10.1016/0002-9610(94)90071-x. PubMed PMID: 7906100.
 37. Wan Y-J, Wang L, Wu T-C. The expression of retinoid X receptor genes is regulated by all-trans- and 9-cis-retinoic acid in F9 teratocarcinoma cells. *Exp Cell Res.* 1994 Jan;210(1):56-61. doi: 10.1006/excr.1994.1009. PubMed PMID: 8269997.
 38. Wan Y-J, Wang L, Wu T-C. Dexamethasone increases the expression of retinoid X receptor genes in rat hepatoma cell lines. *Lab Invest.* 1994 Apr;70(4):547-52. PubMed PMID: 8176893.
 39. Klein D, Wan Y-J, Kamyab S, Okuda H, Sokol RZ. Effects of toxic levels of lead on gene regulation in the male axis: increase in messenger ribonucleic acids and intracellular stores of gonadotrophs within the central nervous system. *Biol Reprod.* 1994 Apr;50(4):802-11. doi: 10.1095/biolreprod50.4.802. PubMed PMID: 8199261.
 40. Wu T-C, Jih MH, Wang L, Wan Y-J. Expression of activin receptor II and IIB mRNA isoforms in mouse reproductive organs and oocytes. *Mol Reprod Dev.* 1994 May;38(1):9-15. doi: 10.1002/mrd.1080380103. PubMed PMID: 8049070.
 41. Wan Y-J, Morimoto M, Thurman RG, Bojes HK, French SW. Expression of the peroxisome proliferator-activated receptor gene is decreased in experimental alcoholic liver disease. *Life Sci.* 1995;56(5):307-17. doi: 10.1016/0024-3205(94)00953-8. PubMed PMID: 7837930.
 42. Wan Y-J, Pan T, Wang L, Locker J, Wu T-C. 9-cis-retinoic acid is more effective than all-trans-retinoic acid in upregulating expression of the alpha-fetoprotein gene. *J Mol Endocrinol.* 1995 Feb;14(1):101-8. doi: 10.1677/jme.0.0140101. PubMed PMID: 7539613.
 43. Wan Y-J, Wang L, Wu T-C. Retinoic acid induces activin receptor IIB mRNA in F9 embryonal carcinoma cells. *J Mol Endocrinol.* 1995 Apr;14(2):247-54. doi: 10.1677/jme.0.0140247. PubMed PMID: 7619212.
 44. Morimoto M, Hagbjörk AL, Wan Y-J, Fu PC, Clot P, Albano E, Ingelman-Sundberg M, French SW. Modulation of experimental alcohol-induced liver disease by cytochrome P450 2E1 inhibitors. *Hepatology.* 1995 Jun;21(6):1610-7. PubMed PMID: 7768506.
 45. Wan Y-J, Wang L, Wu T-C. Different response to retinoic acid of two teratocarcinoma cell lines. *Exp Cell Res.* 1995 Aug;219(2):392-8. doi: 10.1006/excr.1995.1244. PubMed PMID: 7543852.
 46. Lin KM, Poland RE, Wan Y-J, Smith MW, Lesser IM. The evolving science of pharmacogenetics: clinical and ethnic perspectives. *Psychopharmacol Bull.* 1996;32(2):205-17. Review. PubMed PMID: 8783890.
 47. Peng SK, Zhang X, Chai N-N, Wan Y-J, Morin RJ. Inhibitory effect of cholesterol oxides on low density lipoprotein receptor gene expression. *Artery.* 1996;22(2):61-79. PubMed PMID: 8864249.
 48. Wan Y-J, Wang L, Wu T-C. Murine endodermal F9E cells, derived from the teratocarcinoma line F9, contain high basal levels of retinoic acid receptors (RARs and RXRs) but are not sensitive to the actions of retinoic acid. *Differentiation.* 1996 Jul;60(4):211-8. doi: 10.1046/j.1432-0436.1996.6040211.x. PubMed PMID: 8765051.
 49. Li C, Locker J, Wan Y-J. RXR-mediated regulation of the alpha-fetoprotein gene through an upstream element. *DNA Cell Biol.* 1996 Nov;15(11):955-63. doi: 10.1089/dna.1996.15.955. PubMed PMID: 8945636.
 50. Wood TF, Srivatsan E-S, Chakrabarti R, Ma GC, Kuan N, Samara GJ, Higgins MJ, Shows TB, Johnson CL, Wan Y-J, Passaro EP Jr, Sawicki MP. A 1.5-megabase physical map encompassing the multiple endocrine neoplasia type-1 (MEN1) locus on chromosome 11q13. *Genomics.* 1996 Dec 1;38(2):166-73. doi: 10.1006/geno.1996.0612. PubMed PMID: 8954798.
 51. Lin HJ, French SW, Reichenbach D, Wan Y-J, Passaro E Jr, Sawicki MP. Novel p53 mutation in a malignant tumor secreting vasoactive intestinal peptide. *Arch Pathol Lab Med.* 1997 Feb;121(2):125-8. PubMed PMID: 9126038.
 52. Eubanks PJ, Sawicki M-P, Samara GJ, Wan Y-J, Gatti RA, Hurwitz M, Passaro E Jr. Pancreatic endocrine tumors with loss of heterozygosity at the multiple endocrine neoplasia type I locus. *Am J Surg.* 1997 Jun;173(6):518-20. doi: 10.1016/s0002-9610(97)00001-9. PubMed PMID: 9207166.

53. Sawicki MP, Arnold E, Ebrahimi S, Duell T, Jin S, Wood T, Chakrabarti R, Peters J, Wan Y-J, Samara G, Weier HU, Udar N, Passaro E Jr, Srivatsan ES. A transcript map encompassing the multiple endocrine neoplasia type-1 (MEN1) locus on chromosome 11q13. *Genomics*. 1997 Jun 15;42(3):405-12. doi: 10.1006/geno.1997.4773. PubMed PMID: 9205112.
54. Zhang-Gouillon ZQ, Yuan QX, Hu B, Marceau N, French BA, Gaal K, Nagao Y, Wan Y-J, French SW. Mallory body formation by ethanol feeding in drug-primed mice. *Hepatology*. 1998 Jan;27(1):116-22. doi: 10.1002/hep.510270119. PubMed PMID: 9425926.
55. Wan Y-J, Cai Y, Magee TR. Retinoic acid differentially regulates retinoic acid receptor-mediated pathways in the Hep3B cell line. *Exp Cell Res*. 1998 Jan 10;238(1):241-7. doi: 10.1006/excr.1997.3851. PubMed PMID: 9457077.
56. Li C, Wan Y-J. Differentiation and antiproliferation effects of retinoic acid receptor beta in hepatoma cells. *Cancer Lett*. 1998 Feb 27;124(2):205-11. doi: 10.1016/s0304-3835(97)00475-8. PubMed PMID: 9500212.
57. Nagao Y, French BA, Cai Y, French SW, Wan Y-J. Inhibition of PPAR alpha/RXR alpha-mediated direct hyperplasia pathways during griseofulvin-induced hepatocarcinogenesis. *J Cell Biochem*. 1998 May 1;69(2):189-200. doi: 10.1002/(sici)1097-4644(19980501)69:2<189:aid-jcb9>3.0.co;2-o. PubMed PMID: 9548566.
58. Magee TR, Cai Y, El-Houseini ME, Locker J, Wan Y-J. Retinoic acid mediates down-regulation of the alpha-fetoprotein gene through decreased expression of hepatocyte nuclear factors. *J Biol Chem*. 1998 Nov 6;273(45):30024-32. doi: 10.1074/jbc.273.45.30024. PubMed PMID: 9792724.
59. Wan Y-J, Poland RE, Lin KM. Genetic polymorphism of CYP2E1, ADH2, and ALDH2 in Mexican-Americans. *Genet Test*. 1998;2(1):79-83. doi: 10.1089/gte.1998.2.79. PubMed PMID: 10464602.
60. Nagao Y, Yuan QX, Wan Y-J, French BA, French S-W. Pathogenesis of Mallory body formation: studies using the drug-primed mouse model. *Hepatology research: the official journal of the Japan Society of Hepatology*. 1998; 13:42-54. doi: 10.1016/S1386-6346(98)00076-X.
61. Nagao Y, Wan Y-J, Yuan QX, Kachi K, Marceau N, French S-W. Mouse model of hepatocellular hyperplastic nodule formation characterization of mRNA expression. *Hepatology research: the official journal of the Japan Society of Hepatology*. 1999; 15:110-123. doi: 10.1016/S1386-6346(99)00022-4.
62. Gouillon ZQ, Miyamoto K, Donohue TM, Wan Y-J, French BA, Nagao Y, Fu P, Reitz RC, Hagbjork A, Yap C, Yuan QX, Ingelman-Sundberg M, French SW. Role of CYP2E1 in the pathogenesis of alcoholic liver disease: modifications by cAMP and ubiquitin-proteasome pathway. *Front Biosci*. 1999 Sep 1;4:A16-25. doi: 10.2741/gouillon. PubMed PMID: 10477671.
63. Wan Y-J, An D, Cai Y, Repa JJ, Hung-Po Chen T, Flores M, Postic C, Magnuson MA, Chen J, Chien KR, French S, Mangelsdorf DJ, Sucov HM. Hepatocyte-specific mutation establishes retinoid X receptor alpha as a heterodimeric integrator of multiple physiological processes in the liver. *Mol Cell Biol*. 2000 Jun;20(12):4436-44. doi: 10.1128/mcb.20.12.4436-4444.2000. PubMed PMID: 10825207; PubMed Central PMCID: PMC85811.
64. Wan Y-J, Cai Y, Cowan C, Magee TR. Fatty acyl-CoAs inhibit retinoic acid-induced apoptosis in Hep3B cells. *Cancer Lett*. 2000 Jun 1;154(1):19-27. doi: 10.1016/s0304-3835(00)00341-4. PubMed PMID: 10799735.
65. Wan Y-J, Cai Y, Lungo W, Fu P, Locker J, French S, Sucov HM. Peroxisome proliferator-activated receptor alpha-mediated pathways are altered in hepatocyte-specific retinoid X receptor alpha-deficient mice. *J Biol Chem*. 2000 Sep 8;275(36):28285-90. doi: 10.1074/jbc.M000934200. PubMed PMID: 10866995.
66. Qian A, Cai Y, Magee TR, Wan Y-J. Identification of retinoic acid-responsive elements on the HNF1alpha and HNF4alpha genes. *Biochem Biophys Res Commun*. 2000 Oct 5;276(3):837-42. doi: 10.1006/bbrc.2000.3549. PubMed PMID: 11027556.
67. Poland RE, Pechnick RN, Cloak CC, Wan Y-J, Nuccio I, Lin KM. Effect of cigarette smoking on coumarin metabolism in humans. *Nicotine Tob Res*. 2000 Nov;2(4):351-4. doi: 10.1080/713688151. PubMed PMID: 11197315.
68. Yuan QX, Nagao Y, French BA, Wan Y-J, French SW. Dexamethasone enhances mallory body formation in drug-primed mouse liver. *Exp Mol Pathol*. 2000 Dec;69(3):202-10. doi:

- 10.1006/exmp.2000.2320. PubMed PMID: 11115361.
69. Wan Y-J, Cai Y, Cowan C. Hepatocyte nuclear factor 1 mediates the cell density associated induction of the α -fetoprotein gene. *Hepatology research: the official journal of the Japan Society of Hepatology*. 2000; 16(3):195-210. doi: 10.1016/S1386-6346(99)00049-2
70. Bardag-Gorce F, French BA, Lue YH, Nguyen V, Wan Y-J, French SW. Mallory bodies formed in proteasome-depleted hepatocytes: an immunohistochemical study. *Exp Mol Pathol*. 2001 Feb;70(1):7-18. doi: 10.1006/exmp.2000.2343. PubMed PMID: 11170786.
71. Wan Y-J, Cai Y, Li J, Yuan Q, French B, Gonzalez FJ, French S. Regulation of peroxisome proliferator activated receptor alpha-mediated pathways in alcohol fed cytochrome P450 2E1 deficient mice. *Hepatol Res*. 2001 Feb;19(2):117-130. doi: 10.1016/s1386-6346(00)00089-9. PubMed PMID: 11164737.
72. Wan Y-J, Poland RE, Han G, Konishi T, Zheng YP, Berman N, Lin KM. Analysis of the CYP2D6 gene polymorphism and enzyme activity in African Americans in southern California. *Pharmacogenetics*. 2001 Aug;11(6):489-99. doi: 10.1097/00008571-200108000-00004. PubMed PMID: 11505219.
73. Mendoza R, Wan Y-J, Poland RE, Smith M, Zheng Y, Berman N, Lin KM. CYP2D6 polymorphism in a Mexican American population. *Clin Pharmacol Ther*. 2001 Dec;70(6):552-60. doi: 10.1067/mcp.2001.120675. PubMed PMID: 11753272.
74. Cai Y, Konishi T, Han G, Campwala KH, French SW, Wan Y-J. The role of hepatocyte RXR alpha in xenobiotic-sensing nuclear receptor-mediated pathways. *Eur J Pharm Sci*. 2002 Feb;15(1):89-96. doi: 10.1016/s0928-0987(01)00211-1. PubMed PMID: 11803135.
75. Sokol RZ, Wang S, Wan Y-J, Stanczyk FZ, Gentzschein E, Chapin RE. Long-term, low-dose lead exposure alters the gonadotropin-releasing hormone system in the male rat. *Environ Health Perspect*. 2002 Sep;110(9):871-4. doi: 10.1289/ehp.02110871. PubMed PMID: 12204820; PubMed Central PMCID: PMC1240985.
76. Konishi T, Smith JL, Lin KM, Wan Y-J. Influence of genetic admixture on polymorphisms of alcohol-metabolizing enzymes: analyses of mutations on the CYP2E1, ADH2, ADH3 and ALDH2 genes in a Mexican-American population living in the Los Angeles area. *Alcohol Alcohol*. 2003 Jan-Feb;38(1):93-4. doi: 10.1093/alcac/agg021. PubMed PMID: 12554615.
77. Wan Y-J, Han G, Cai Y, Dai T, Konishi T, Leng AS. Hepatocyte retinoid X receptor-alpha-deficient mice have reduced food intake, increased body weight, and improved glucose tolerance. *Endocrinology*. 2003 Feb;144(2):605-11. doi: 10.1210/en.2002-221003. PubMed PMID: 12538623.
78. Bentinger M, Turunen M, Zhang XX, Wan Y-J, Dallner G. Involvement of retinoid X receptor alpha in coenzyme Q metabolism. *J Mol Biol*. 2003 Feb 21;326(3):795-803. doi: 10.1016/s0022-2836(02)01447-x. PubMed PMID: 12581641.
79. Konishi T, Calvillo M, Leng AS, Feng J, Lee T, Lee H, Smith JL, Sial SH, Berman N, French S, Eysselein V, Lin KM, Wan Y-J. The ADH3*2 and CYP2E1 c2 alleles increase the risk of alcoholism in Mexican American men. *Exp Mol Pathol*. 2003 Apr;74(2):183-9. doi: 10.1016/s0014-4800(03)00006-6. PubMed PMID: 12710951.
80. Cai Y, Dai T, Ao Y, Konishi T, Chuang KH, Lue Y, Chang C, Wan Y-J. Cytochrome P450 genes are differentially expressed in female and male hepatocyte retinoid X receptor alpha-deficient mice. *Endocrinology*. 2003 Jun;144(6):2311-8. doi: 10.1210/en.2002-0129. PubMed PMID: 12746291.
81. Perlis RH, Mischoulon D, Smoller JW, Wan Y-J, Lamon-Fava S, Lin KM, Rosenbaum JF, Fava M. Serotonin transporter polymorphisms and adverse effects with fluoxetine treatment. *Biol Psychiatry*. 2003 Nov 1;54(9):879-83. doi: 10.1016/s0006-3223(03)00424-4. PubMed PMID: 14573314.
82. Cherrington NJ, Slitt AL, Maher JM, Zhang XX, Zhang J, Huang W, Wan Y-J, Moore DD, Klaassen CD. Induction of multidrug resistance protein 3 (mrp3) in vivo is independent of constitutive androstane receptor. *Drug Metab Dispos*. 2003 Nov;31(11):1315-9. doi: 10.1124/dmd.31.11.1315. PubMed PMID: 14570762.
83. Dai T, Wu Y, Leng AS, Ao Y, Robel RC, Lu SC, French SW, Wan Y-J. RXRalpha-regulated liver SAME and GSH levels influence susceptibility to alcohol-induced hepatotoxicity. *Exp Mol Pathol*. 2003 Dec;75(3):194-200. doi: 10.1016/s0014-4800(03)00091-1. PubMed PMID: 14611810.

84. Konishi T, Calvillo M, Leng AS, Lin KM, Wan Y-J. Polymorphisms of the dopamine D2 receptor, serotonin transporter, and GABA(A) receptor beta (3) subunit genes and alcoholism in Mexican-Americans. *Alcohol*. 2004 Jan;32(1):45-52. doi: 10.1016/j.alcohol.2003.11.002. PubMed PMID: 15066703.
85. Wu Y, Cai Y, Aguilo J, Dai T, Ao Y, Wan Y-J. RXRalpha mRNA expression is associated with cell proliferation and cell cycle regulation in Hep3B cell. *Exp Mol Pathol*. 2004 Feb;76(1):24-8. doi: 10.1016/j.yexmp.2003.10.009. PubMed PMID: 14738865.
86. Wu Y, Zhang X, Bardag-Gorce F, Robel RC, Aguilo J, Chen L, Zeng Y, Hwang K, French SW, Lu SC, Wan Y-J. Retinoid X receptor alpha regulates glutathione homeostasis and xenobiotic detoxification processes in mouse liver. *Mol Pharmacol*. 2004 Mar;65(3):550-7. doi: 10.1124/mol.65.3.550. PubMed PMID: 14978233.
87. Konishi T, Luo HR, Calvillo M, Mayo MS, Lin KM, Wan Y-J. ADH1B*1, ADH1C*2, DRD2 (-141C Ins), and 5-HTTLPR are associated with alcoholism in Mexican American men living in Los Angeles. *Alcohol Clin Exp Res*. 2004 Aug;28(8):1145-52. doi: 10.1097/01.alc.0000134231.48395.42. PubMed PMID: 15318112.
88. Leng A, Calvillo M, Konishi T, Dai T, Guzman G, Pineda E, Lin K, Tsuang J, Wan Y-J. Characteristics and Drinking Patterns in Alcohol Abusing Mexican American Men. *Addictive Disorders and Their Treatment*. 2004; 3:14-17.
89. Luo HR, Aloumanis V, Lin KM, Gurwitz D, Wan Y-J. Polymorphisms of CYP2C19 and CYP2D6 in Israeli ethnic groups. *Am J Pharmacogenomics*. 2004;4(6):395-401. doi: 10.2165/00129785-200404060-00006. PubMed PMID: 15651900.
90. Chuang KH, Lee YF, Lin WJ, Chu CY, Altuwaijri S, Wan Y-J, Chang C. 9-cis-retinoic acid inhibits androgen receptor activity through activation of retinoid X receptor. *Mol Endocrinol*. 2005 May;19(5):1200-12. doi: 10.1210/me.2004-0181. Epub 2005 Jan 13. PubMed PMID: 15650026.
91. Luo HR, Hou ZF, Wu J, Zhang YP, Wan Y-J. Evolution of the DRD2 gene haplotype and its association with alcoholism in Mexican Americans. *Alcohol*. 2005 Jun;36(2):117-25. doi: 10.1016/j.alcohol.2005.09.003. PubMed PMID: 16396745.
92. Dai G, Wan Y-J. Animal models of xenobiotic receptors. *Curr Drug Metab*. 2005 Aug;6(4):341-55. doi: 10.2174/1389200054633862. Review. PubMed PMID: 16101573.
93. Dai G, Chou N, He L, Gyamfi MA, Mendy AJ, Slitt AL, Klaassen CD, Wan Y-J. Retinoid X receptor alpha Regulates the expression of glutathione s-transferase genes and modulates acetaminophen-glutathione conjugation in mouse liver. *Mol Pharmacol*. 2005 Dec;68(6):1590-6. doi: 10.1124/mol.105.013680. Epub 2005 Sep 12. PubMed PMID: 16157696; NIHMSID:NIHMS343557.
94. Luo HR, Gaedigk A, Aloumanis V, Wan Y-J. Identification of CYP2D6 impaired functional alleles in Mexican Americans. *Eur J Clin Pharmacol*. 2005 Dec;61(11):797-802. doi: 10.1007/s00228-005-0044-4. Epub 2005 Nov 8. PubMed PMID: 16283274.
95. Wan Y-J, Badr MZ. Inhibition of Carrageenan-Induced Cutaneous Inflammation by PPAR Agonists Is Dependent on Hepatocyte-Specific Retinoid X ReceptorAlpha. *PPAR Res*. 2006;2006:96341. doi: 10.1155/PPAR/2006/96341. PubMed PMID: 17259670; PubMed Central PMCID: PMC1664714.
96. Gyamfi MA, Wan Y-J. The effect of ethanol, ethanol metabolizing enzyme inhibitors, and Vitamin E on regulating glutathione, glutathione S-transferase, and S-adenosylmethionine in mouse primary hepatocyte. *Hepatol Res*. 2006 May;35(1):53-61. doi: 10.1016/j.hepres.2006.02.003. Epub 2006 Mar 15. PubMed PMID: 16540368.
97. Nakamoto K, Wang S, Jenison RD, Guo GL, Klaassen CD, Wan Y-J, Zhong XB. Linkage disequilibrium blocks, haplotype structure, and htSNPs of human CYP7A1 gene. *BMC Genet*. 2006 May 18;7:29. doi: 10.1186/1471-2156-7-29. PubMed PMID: 16709249; PubMed Central PMCID: PMC1488870.
98. Luo HR, Poland RE, Lin KM, Wan Y-J. Genetic polymorphism of cytochrome P450 2C19 in Mexican Americans: a cross-ethnic comparative study. *Clin Pharmacol Ther*. 2006 Jul;80(1):33-40. doi: 10.1016/j.clpt.2006.03.003. Epub 2006 Jun 8. PubMed PMID: 16815315.
99. Dai G, He L, Chou N, Wan Y-J. Acetaminophen metabolism does not contribute to gender

- difference in its hepatotoxicity in mouse. *Toxicol Sci.* 2006 Jul;92(1):33-41. doi: 10.1093/toxsci/kfj192. Epub 2006 Apr 11. PubMed PMID: 16611625.
100. Wang K, Mendy AJ, Dai G, Luo HR, He L, Wan Y-J. Retinoids activate the RXR/SXR-mediated pathway and induce the endogenous CYP3A4 activity in Huh7 human hepatoma cells. *Toxicol Sci.* 2006 Jul;92(1):51-60. doi: 10.1093/toxsci/kfj207. Epub 2006 Apr 21. PubMed PMID: 16632523.
 101. Gyamfi MA, Kocsis MG, He L, Dai G, Mendy AJ, Wan Y-J. The role of retinoid X receptor alpha in regulating alcohol metabolism. *J Pharmacol Exp Ther.* 2006 Oct;319(1):360-8. doi: 10.1124/jpet.106.108175. Epub 2006 Jul 7. PubMed PMID: 16829625.
 102. Luo H, Wan Y-J. Polymorphisms of Genes Encoding Phase I Enzymes in Mexican Americans – An Ethnic Comparison Study. *Current Pharmacogenomics and Personalized Medicine.* 2006; 4(4):345-353. doi: 10.2174/157016006778992804.
 103. Luo H, Konishi T, Wan Y-J. Comparison of Alcohol Drinking Behaviors and Associated Problems Between Benders and Nonbenders in Mexican Americans Who Drink Excessively. *Addictive Disorders & Their Treatment.* 2006 September; 5(3):121-127. doi: 10.1097/01.adt.0000210712.03069.d8.
 104. Nakamoto K, Kidd JR, Jenison RD, Klaassen CD, Wan Y-J, Kidd KK, Zhong XB. Genotyping and haplotyping of CYP2C19 functional alleles on thin-film biosensor chips. *Pharmacogenet Genomics.* 2007 Feb;17(2):103-14. doi: 10.1097/FPC.0b013e32801152c2. PubMed PMID: 17301690.
 105. Wortham M, Czerwinski M, He L, Parkinson A, Wan Y-J. Expression of constitutive androstane receptor, hepatic nuclear factor 4 alpha, and P450 oxidoreductase genes determines interindividual variability in basal expression and activity of a broad scope of xenobiotic metabolism genes in the human liver. *Drug Metab Dispos.* 2007 Sep;35(9):1700-10. doi: 10.1124/dmd.107.016436. Epub 2007 Jun 18. PubMed PMID: 17576804.
 106. Yang M, Tsuang J, Wan Y-J. A haplotype analysis of CYP2E1 polymorphisms in relation to alcoholic phenotypes in Mexican Americans. *Alcohol Clin Exp Res.* 2007 Dec;31(12):1991-2000. doi: 10.1111/j.1530-0277.2007.00533.x. PubMed PMID: 18034693.
 107. Bu P, Wan Y-J. Fenretinide-induced apoptosis of Huh-7 hepatocellular carcinoma is retinoic acid receptor beta dependent. *BMC Cancer.* 2007 Dec 31;7:236. doi: 10.1186/1471-2407-7-236. PubMed PMID: 18166136; PubMed Central PMCID: PMC2249606.
 108. Gyamfi MA, He L, French SW, Damjanov I, Wan Y-J. Hepatocyte retinoid X receptor alpha-dependent regulation of lipid homeostasis and inflammatory cytokine expression contributes to alcohol-induced liver injury. *J Pharmacol Exp Ther.* 2008 Feb;324(2):443-53. doi: 10.1124/jpet.107.132258. Epub 2007 Nov 1. PubMed PMID: 17975011.
 109. Gyamfi MA, Damjanov I, French S, Wan Y-J. The pathogenesis of ethanol versus methionine and choline deficient diet-induced liver injury. *Biochem Pharmacol.* 2008 Feb 15;75(4):981-95. doi: 10.1016/j.bcp.2007.09.030. Epub 2007 Oct 18. PubMed PMID: 18036573; PubMed Central PMCID: PMC2323588.
 110. Dai G, He L, Bu P, Wan Y-J. Pregnane X receptor is essential for normal progression of liver regeneration. *Hepatology.* 2008 Apr;47(4):1277-87. doi: 10.1002/hep.22129. PubMed PMID: 18167061.
 111. Wang K, Wan Y-J. Nuclear receptors and inflammatory diseases. *Exp Biol Med (Maywood).* 2008 May;233(5):496-506. doi: 10.3181/0708-MR-231. Epub 2008 Mar 28. Review. PubMed PMID: 18375823; PubMed Central PMCID: PMC3991236.
 112. Wang K, Chen S, Xie W, Wan Y-J. Retinoids induce cytochrome P450 3A4 through RXR/VDR-mediated pathway. *Biochem Pharmacol.* 2008 Jun 1;75(11):2204-13. doi: 10.1016/j.bcp.2008.02.030. Epub 2008 Mar 6. PubMed PMID: 18400206; PubMed Central PMCID: PMC2742682.
 113. Guo M, Gong L, He L, Lehman-McKeeman L, Wan Y-J. Hepatocyte RXRalpha deficiency in matured and aged mice: impact on the expression of cancer-related hepatic genes in a gender-specific manner. *BMC Genomics.* 2008 Aug 28;9:403. doi: 10.1186/1471-2164-9-403. PubMed PMID: 18755030; PubMed Central PMCID: PMC2547858.
 114. Wortham M, He L, Gyamfi M, Copple BL, Wan Y-J. The transition from fatty liver to NASH associates with SAMe depletion in db/db mice fed a methionine choline-deficient diet. *Dig Dis Sci.*

- 2008 Oct;53(10):2761-74. doi: 10.1007/s10620-007-0193-7. Epub 2008 Feb 26. PubMed PMID: 18299981; PubMed Central PMCID: PMC3991247.
115. Lin KM, Perlis RH, Wan Y-J. Pharmacogenomic strategy for individualizing antidepressant therapy. *Dialogues Clin Neurosci*. 2008;10(4):401-8. Review. PubMed PMID: 19170397; PubMed Central PMCID: PMC3181891.
116. Yang D, Pearce RE, Wang X, Gaedigk R, Wan Y-J, Yan B. Human carboxylesterases HCE1 and HCE2: ontogenic expression, inter-individual variability and differential hydrolysis of oseltamivir, aspirin, deltamethrin and permethrin. *Biochem Pharmacol*. 2009 Jan 15;77(2):238-47. doi: 10.1016/j.bcp.2008.10.005. Epub 2008 Oct 15. PubMed PMID: 18983829; PubMed Central PMCID: PMC2671154.
117. Gyamfi MA, Tanaka Y, He L, Klaassen CD, Wan Y-J. Hepatic effects of a methionine-choline-deficient diet in hepatocyte RXRalpha-null mice. *Toxicol Appl Pharmacol*. 2009 Jan 15;234(2):166-78. doi: 10.1016/j.taap.2008.09.022. Epub 2008 Oct 8. PubMed PMID: 18952117; PubMed Central PMCID: PMC2656443.
118. Razny U, Wator L, Polus A, Wan Y-J, Dyduch G, Tomaszewska R, Dembinska-Kiec A. Hepatocyte RXR alpha deletion in mice leads to inhibition of angiogenesis. *Genes Nutr*. 2009 Mar;4(1):69-72. doi: 10.1007/s12263-009-0111-z. Epub 2009 Feb 18. PubMed PMID: 19224264; PubMed Central PMCID: PMC2654051.
119. Gyamfi MA, Wan Y-J. Mechanisms of resistance of hepatocyte retinoid X receptor alpha-null mice to WY-14,643-induced hepatocyte proliferation and cholestasis. *J Biol Chem*. 2009 Apr 3;284(14):9321-30. doi: 10.1074/jbc.M808861200. Epub 2009 Jan 27. PubMed PMID: 19176532; PubMed Central PMCID: PMC2666584.
120. Yang X, Zhang YK, Esterly N, Klaassen CD, Wan Y-J. Gender disparity of hepatic lipid homeostasis regulated by the circadian clock. *J Biochem*. 2009 May;145(5):609-23. doi: 10.1093/jb/mvp018. Epub 2009 Jan 27. PubMed PMID: 19174548; PubMed Central PMCID: PMC2917062.
121. Wei Y, Nie Y, Lai J, Wan Y-J, Li Y. Comparison of the population capacity of hematopoietic and mesenchymal stem cells in experimental colitis rat model. *Transplantation*. 2009 Jul 15;88(1):42-8. doi: 10.1097/TP.0b013e3181a9f0a7. PubMed PMID: 19584679; PubMed Central PMCID: PMC3991233.
122. Guo M, Gong L, He L, Lehman-McKeeman L, Wan Y-J. The expression of cancer-related genes in aging mouse liver is RXRα and gender dependent. *Advanced Studies in Biology*. 2009 August; 1(2):61-83. PMID: 32461717; PMCID: PMC7251938
123. Du Y, Wan Y-J. The interaction of reward genes with environmental factors in contribution to alcoholism in Mexican Americans. *Alcohol Clin Exp Res*. 2009 Dec;33(12):2103-12. doi: 10.1111/j.1530-0277.2009.01050.x. Epub 2009 Sep 17. PubMed PMID: 19764934; PubMed Central PMCID: PMC4017868.
124. Bushue N, Wan Y-J. Retinoic Acid-mediated Nuclear Receptor Activation and Hepatocyte Proliferation. *J Exp Clin Med*. 2009 Dec;1(1):23-30. doi: 10.1016/S1878-3317(09)60007-3. PubMed PMID: 27635169; PubMed Central PMCID: PMC5021315.
125. Yang H, Nie Y, Li Y, Wan Y-J. Histone modification-mediated CYP2E1 gene expression and apoptosis of HepG2 cells. *Exp Biol Med (Maywood)*. 2010 Jan;235(1):32-9. doi: 10.1258/ebm.2009.009252. PubMed PMID: 20404016; PubMed Central PMCID: PMC3991239.
126. Chen S, Wang K, Wan Y-J. Retinoids activate RXR/CAR-mediated pathway and induce CYP3A. *Biochem Pharmacol*. 2010 Jan 15;79(2):270-6. doi: 10.1016/j.bcp.2009.08.012. Epub 2009 Aug 15. PubMed PMID: 19686701; PubMed Central PMCID: PMC2784018.
127. Yang X, Guo M, Wan Y-J. Dereglulation of growth factor, circadian clock, and cell cycle signaling in regenerating hepatocyte RXRalpha-deficient mouse livers. *Am J Pathol*. 2010 Feb;176(2):733-43. doi: 10.2353/ajpath.2010.090524. Epub 2009 Dec 24. PubMed PMID: 20035057; PubMed Central PMCID: PMC2808080.
128. Wang K, Damjanov I, Wan Y-J. The protective role of pregnane X receptor in lipopolysaccharide/D-galactosamine-induced acute liver injury. *Lab Invest*. 2010 Feb;90(2):257-65. doi: 10.1038/labinvest.2009.129. Epub 2009 Dec 7. PubMed PMID: 19997066; PubMed Central

PMCID: PMC2814901.

129. Yang H, Bushue N, Bu P, Wan Y-J. Induction and intracellular localization of Nur77 dictate fenretinide-induced apoptosis of human liver cancer cells. *Biochem Pharmacol*. 2010 Apr 1;79(7):948-54. doi: 10.1016/j.bcp.2009.11.004. Epub 2009 Nov 11. PubMed PMID: 19912993; PubMed Central PMCID: PMC2832928.
130. Gyamfi MA, Wan Y-J. Pathogenesis of alcoholic liver disease: the role of nuclear receptors. *Exp Biol Med (Maywood)*. 2010 May;235(5):547-60. doi: 10.1258/ebm.2009.009249. Review. PubMed PMID: 20463294; PubMed Central PMCID: PMC3908670.
131. Du Y, Yang M, Yeh HW, Wan Y-J. The association of exon 3 VNTR polymorphism of the dopamine receptor D4 (DRD4) gene with alcoholism in Mexican Americans. *Psychiatry Res*. 2010 May 30;177(3):358-60. doi: 10.1016/j.psychres.2010.02.021. Epub 2010 Apr 1. PubMed PMID: 20359751; PubMed Central PMCID: PMC2868944.
132. Bushue N, Wan Y-J. Retinoid pathway and cancer therapeutics. *Adv Drug Deliv Rev*. 2010 Oct 30;62(13):1285-98. doi: 10.1016/j.addr.2010.07.003. Epub 2010 Aug 3. Review. PubMed PMID: 20654663; PubMed Central PMCID: PMC2991380.
133. Rażny U, Wątor Ł, Polus A, Kieć-Wilk B, Wan Y-J, Dyduch G, Tomaszewska R, Dembińska-Kieć A. Modulatory effect of high saturated fat diet-induced metabolic disturbances on angiogenic response in hepatocyte RXR α knockout mice. *Pharmacol Rep*. 2010 Nov-Dec;62(6):1078-89. doi: 10.1016/s1734-1140(10)70370-4. PubMed PMID: 21273665; PubMed Central PMCID: PMC3908669.
134. Yang H, Zhan Q, Wan Y-J. Enrichment of Nur77 mediated by retinoic acid receptor β leads to apoptosis of human hepatocellular carcinoma cells induced by fenretinide and histone deacetylase inhibitors. *Hepatology*. 2011 Mar;53(3):865-74. doi: 10.1002/hep.24101. Epub 2011 Feb 11. PubMed PMID: 21319187; PubMed Central PMCID: PMC3077573.
135. Yang H, Nie Y, Li Y, Wan Y-J. ERK1/2 deactivation enhances cytoplasmic Nur77 expression level and improves the apoptotic effect of fenretinide in human liver cancer cells. *Biochem Pharmacol*. 2011 Apr 1;81(7):910-6. doi: 10.1016/j.bcp.2011.01.005. Epub 2011 Jan 15. PubMed PMID: 21241664; PubMed Central PMCID: PMC3059345.
136. Du Y, Nie Y, Li Y, Wan Y-J. The association between the SLC6A3 VNTR 9-repeat allele and alcoholism: a meta-analysis. *Alcohol Clin Exp Res*. 2011 Sep;35(9):1625-34. doi: 10.1111/j.1530-0277.2011.01509.x. Epub 2011 May 9. PubMed PMID: 21554332; PubMed Central PMCID: PMC4084904.
137. Raglow Z, Thoma-Perry C, Gilroy R, Wan Y-J. The interaction between HCV and nuclear receptor-mediated pathways. *Pharmacol Ther*. 2011 Oct;132(1):30-8. doi: 10.1016/j.pharmthera.2011.05.005. Epub 2011 May 18. Review. PubMed PMID: 21620888; PubMed Central PMCID: PMC3152951.
138. Kay HY, Kim WD, Hwang SJ, Choi HS, Gilroy RK, Wan Y-J, Kim SG. Nrf2 inhibits LXR α -dependent hepatic lipogenesis by competing with FXR for acetylase binding. *Antioxid Redox Signal*. 2011 Oct 15;15(8):2135-46. doi: 10.1089/ars.2010.3834. Epub 2011 Jun 13. PubMed PMID: 21504366; PubMed Central PMCID: PMC6468953.
139. Wu C, Gilroy R, Taylor R, Olyae M, Abdulkarim B, Forster J, O'Neil M, Damjanov I, Wan Y-J. Alteration of hepatic nuclear receptor-mediated signaling pathways in hepatitis C virus patients with and without a history of alcohol drinking. *Hepatology*. 2011 Dec;54(6):1966-74. doi: 10.1002/hep.24645. PubMed PMID: 21898497; PubMed Central PMCID: PMC3230737.
140. Shukla RS, Qin B, Wan Y-J, Cheng K. PCBP2 siRNA reverses the alcohol-induced pro-fibrogenic effects in hepatic stellate cells. *Pharm Res*. 2011 Dec;28(12):3058-68. doi: 10.1007/s11095-011-0475-9. Epub 2011 Jun 4. PubMed PMID: 21643860; PubMed Central PMCID: PMC3970775.
141. Kusters A, Tian F, Wan Y-J, Karpen SJ. Gene-specific alterations of hepatic gene expression by ligand activation or hepatocyte-selective inhibition of retinoid X receptor- α signalling during inflammation. *Liver Int*. 2012 Feb;32(2):321-30. doi: 10.1111/j.1478-3231.2011.02664.x. Epub 2011 Nov 1. PubMed PMID: 22098603; PubMed Central PMCID: PMC3788689.
142. Cao CY, Li YY, Zhou YJ, Nie YQ, Wan Y-J. The C-681G polymorphism of the PPAR- γ gene is associated with susceptibility to non-alcoholic fatty liver disease. *Tohoku J Exp Med*. 2012

- Aug;227(4):253-62. doi: 10.1620/tjem.227.253. PubMed PMID: 22820754; PubMed Central PMCID: PMC4126502.
143. Wei YM, Du YL, Nie YQ, Li YY, Wan Y-J. Nur-related receptor 1 gene polymorphisms and alcohol dependence in Mexican Americans. *World J Gastroenterol*. 2012 Oct 7;18(37):5276-82. doi: 10.3748/wjg.v18.i37.5276. PubMed PMID: 23066323; PubMed Central PMCID: PMC3468861.
 144. Yang F, Xu Y, Xiong A, He Y, Yang L, Wan Y-J, Wang Z. Evaluation of the protective effect of Rhei Radix et Rhizoma against α -naphthylisothiocyanate induced liver injury based on metabolic profile of bile acids. *J Ethnopharmacol*. 2012 Dec 18;144(3):599-604. doi: 10.1016/j.jep.2012.09.049. Epub 2012 Oct 8. PubMed PMID: 23058990; PubMed Central PMCID: PMC7232858.
 145. Dunn W, Zeng Z, O'Neil M, Zhao J, Whitener M, Wan Y-J, Mitchell EK, Handler M, Weinman SA. The interaction of rs738409, obesity, and alcohol: a population-based autopsy study. *Am J Gastroenterol*. 2012 Nov;107(11):1668-74. doi: 10.1038/ajg.2012.285. Epub 2012 Oct 2. PubMed PMID: 23032985; PubMed Central PMCID: PMC6677545.
 146. Zhan Q, Fang Y, He Y, Liu HX, Fang J, Wan Y-J. Function annotation of hepatic retinoid x receptor α based on genome-wide DNA binding and transcriptome profiling. *PLoS One*. 2012;7(11):e50013. doi: 10.1371/journal.pone.0050013. Epub 2012 Nov 15. PubMed PMID: 23166811; PubMed Central PMCID: PMC3499475.
 147. Fang Y, Liu HX, Zhang N, Guo GL, Wan Y-J, Fang J. NURBS: a database of experimental and predicted nuclear receptor binding sites of mouse. *Bioinformatics*. 2013 Jan 15;29(2):295-7. doi: 10.1093/bioinformatics/bts693. Epub 2012 Nov 29. PubMed PMID: 23196988; PubMed Central PMCID: PMC3546791.
 148. Hu Y, Liu HX, He Y, Fang Y, Fang J, Wan Y-J. Transcriptome profiling and genome-wide DNA binding define the differential role of fenretinide and all-trans RA in regulating the death and survival of human hepatocellular carcinoma Huh7 cells. *Biochem Pharmacol*. 2013 Apr 1;85(7):1007-17. doi: 10.1016/j.bcp.2013.01.023. Epub 2013 Feb 8. PubMed PMID: 23396089; PubMed Central PMCID: PMC3857153.
 149. Poland RE, Lesser IM, Wan Y-J, Gertsik L, Yao J, Raffel LJ, Lin KM, Myers HF. Response to citalopram is not associated with SLC6A4 genotype in African-Americans and Caucasians with major depression. *Life Sci*. 2013 May 30;92(20-21):967-70. doi: 10.1016/j.lfs.2013.03.009. Epub 2013 Apr 3. PubMed PMID: 23562852; PubMed Central PMCID: PMC3786570.
 150. Khan R, Zahid S, Wan Y-J, Forster J, Karim AB, Nawabi AM, Azhar A, Rahman MA, Ahmed N. Protein expression profiling of nuclear membrane protein reveals potential biomarker of human hepatocellular carcinoma. *Clin Proteomics*. 2013 Jun 1;10(1):6. doi: 10.1186/1559-0275-10-6. PubMed PMID: 23724895; PubMed Central PMCID: PMC3691657.
 151. Yang H, Zhong Y, Xie H, Lai X, Xu M, Nie Y, Liu S, Wan Y-J. Induction of the liver cancer-down-regulated long noncoding RNA uc002mbe.2 mediates trichostatin-induced apoptosis of liver cancer cells. *Biochem Pharmacol*. 2013 Jun 15;85(12):1761-9. doi: 10.1016/j.bcp.2013.04.020. Epub 2013 May 1. PubMed PMID: 23643933; PubMed Central PMCID: PMC3909495.
 152. Liu HX, Fang Y, Hu Y, Gonzalez FJ, Fang J, Wan Y-J. PPAR β Regulates Liver Regeneration by Modulating Akt and E2f Signaling. *PLoS One*. 2013;8(6):e65644. doi: 10.1371/journal.pone.0065644. Print 2013. PubMed PMID: 23823620; PubMed Central PMCID: PMC3688817.
 153. Raglow Z, Thoma-Perry C, Gilroy R, Wan Y-J. IL28B genotype and the expression of ISGs in normal liver. *Liver Int*. 2013 Aug;33(7):991-8. doi: 10.1111/liv.12148. Epub 2013 Mar 24. PubMed PMID: 23522062; PubMed Central PMCID: PMC7231429.
 154. Smilowitz JT, Zivkovic AM, Wan Y-J, Watkins SM, Nording ML, Hammock BD, German JB. Nutritional lipidomics: molecular metabolism, analytics, and diagnostics. *Mol Nutr Food Res*. 2013 Aug;57(8):1319-35. doi: 10.1002/mnfr.201200808. Epub 2013 Jul 1. Review. PubMed PMID: 23818328; PubMed Central PMCID: PMC3806310.
 155. He Y, Gong L, Fang Y, Zhan Q, Liu HX, Lu Y, Guo GL, Lehman-McKeeman L, Fang J, Wan Y-J. The role of retinoic acid in hepatic lipid homeostasis defined by genomic binding and transcriptome profiling. *BMC Genomics*. 2013 Aug 28;14:575. doi: 10.1186/1471-2164-14-575. PubMed PMID: 23981290; PubMed Central PMCID: PMC3846674.

156. Dunn W, O'Neil M, Zhao J, Wu CH, Roberts B, Chakraborty S, Sherman C, Weaver B, Taylor R, Olson J, Olyae M, Gilroy R, Schmitt T, Wan Y-J, Weinman SA. Donor PNPLA3 rs738409 genotype affects fibrosis progression in liver transplantation for hepatitis C. *Hepatology*. 2014 Feb;59(2):453-60. doi: 10.1002/hep.26758. Epub 2013 Dec 23. PubMed PMID: 24123231; PubMed Central PMCID: PMC7224311.
157. Nie YQ, Cao J, Zhou YJ, Liang X, Du YL, Wan Y-J, Li YY. The effect of miRNA-122 in regulating fat deposition in a cell line model. *J Cell Biochem*. 2014 May;115(5):839-46. doi: 10.1002/jcb.24725. PubMed PMID: 24288170; PubMed Central PMCID: PMC3991241.
158. Xiong A, Yang F, Fang L, Yang L, He Y, Wan Y-J, Xu Y, Qi M, Wang X, Yu K, Tsim KW, Wang Z. Metabolomic and genomic evidence for compromised bile acid homeostasis by senecionine, a hepatotoxic pyrrolizidine alkaloid. *Chem Res Toxicol*. 2014 May 19;27(5):775-86. doi: 10.1021/tx400451q. Epub 2014 Apr 1. PubMed PMID: 24641316; PubMed Central PMCID: PMC7229698.
159. He Y, Tsuei J, Wan Y-J. Biological functional annotation of retinoic acid alpha and beta in mouse liver based on genome-wide binding. *Am J Physiol Gastrointest Liver Physiol*. 2014 Jul 15;307(2):G205-18. doi: 10.1152/ajpgi.00105.2014. Epub 2014 May 15. PubMed PMID: 24833708; PubMed Central PMCID: PMC4101682.
160. Zhan L, Liu HX, Fang Y, Kong B, He Y, Zhong XB, Fang J, Wan Y-J, Guo GL. Genome-wide binding and transcriptome analysis of human farnesoid X receptor in primary human hepatocytes. *PLoS One*. 2014;9(9):e105930. doi: 10.1371/journal.pone.0105930. eCollection 2014. PubMed PMID: 25198545; PubMed Central PMCID: PMC4157742.
161. Liu HX, Ly I, Hu Y, Wan Y-J. Retinoic acid regulates cell cycle genes and accelerates normal mouse liver regeneration. *Biochem Pharmacol*. 2014 Sep 15;91(2):256-65. doi: 10.1016/j.bcp.2014.07.003. Epub 2014 Aug 1. PubMed PMID: 25087568; PubMed Central PMCID: PMC4236911.
162. Yang F, He Y, Liu HX, Tsuei J, Jiang X, Yang L, Wang ZT, Wan Y-J. All-trans retinoic acid regulates hepatic bile acid homeostasis. *Biochem Pharmacol*. 2014 Oct 15;91(4):483-9. doi: 10.1016/j.bcp.2014.08.018. Epub 2014 Aug 28. PubMed PMID: 25175738; PubMed Central PMCID: PMC4236914.
163. Eun JR, Jung YJ, Zhang Y, Zhang Y, Tschudy-Seney B, Ramsamooj R, Wan Y-J, Theise ND, Zern MA, Duan Y. Hepatoma SK Hep-1 cells exhibit characteristics of oncogenic mesenchymal stem cells with highly metastatic capacity. *PLoS One*. 2014;9(10):e110744. doi: 10.1371/journal.pone.0110744. eCollection 2014. PubMed PMID: 25338121; PubMed Central PMCID: PMC4206444.
164. Tsuei J, Chau T, Mills D, Wan Y-J. Bile acid dysregulation, gut dysbiosis, and gastrointestinal cancer. *Exp Biol Med (Maywood)*. 2014 Nov;239(11):1489-504. doi: 10.1177/1535370214538743. Epub 2014 Jun 20. Review. PubMed PMID: 24951470; PubMed Central PMCID: PMC4357421.
165. Hu Y, Zhan Q, Liu HX, Chau T, Li Y, Wan Y-J. Accelerated partial hepatectomy-induced liver cell proliferation is associated with liver injury in Nur77 knockout mice. *Am J Pathol*. 2014 Dec;184(12):3272-83. doi: 10.1016/j.ajpath.2014.08.002. Epub 2014 Oct 7. PubMed PMID: 25307349; PubMed Central PMCID: PMC4258495.
166. Liu HX, Hu Y, French SW, Gonzalez FJ, Wan Y-J. Forced expression of fibroblast growth factor 21 reverses the sustained impairment of liver regeneration in hPPAR α (PAC) mice due to dysregulated bile acid synthesis. *Oncotarget*. 2015;6(12):9686-700. doi: 10.18632/oncotarget.3531. PubMed PMID: 25991671; PubMed Central PMCID: PMC4496390.
167. Hu Y, Chau T, Liu HX, Liao D, Keane R, Nie Y, Yang H, Wan Y-J. Bile acids regulate nuclear receptor (Nur77) expression and intracellular location to control proliferation and apoptosis. *Mol Cancer Res*. 2015 Feb;13(2):281-92. doi: 10.1158/1541-7786.MCR-14-0230. Epub 2014 Sep 17. PubMed PMID: 25232032; PubMed Central PMCID: PMC4336821.
168. Yang F, Hu Y, Liu HX, Wan Y-J. MiR-22-silenced cyclin A expression in colon and liver cancer cells is regulated by bile acid receptor. *J Biol Chem*. 2015 Mar 6;290(10):6507-15. doi: 10.1074/jbc.M114.620369. Epub 2015 Jan 17. PubMed PMID: 25596928; PubMed Central PMCID: PMC4358284.

169. Liu HX, Keane R, Sheng L, Wan Y-J. Implications of microbiota and bile acid in liver injury and regeneration. *J Hepatol*. 2015 Dec;63(6):1502-10. doi: 10.1016/j.jhep.2015.08.001. Epub 2015 Aug 7. Review. PubMed PMID: 26256437; PubMed Central PMCID: PMC4654653.
170. Liu HX, Hu Y, Wan Y-J. Microbiota and bile acid profiles in retinoic acid-primed mice that exhibit accelerated liver regeneration. *Oncotarget*. 2016 Jan 12;7(2):1096-106. doi: 10.18632/oncotarget.6665. PubMed PMID: 26701854; PubMed Central PMCID: PMC4811446.
171. Zhang X, Feng M, Liu X, Bai L, Kong M, Chen Y, Zheng S, Liu S, Wan Y-J, Duan Z, Han YP. Persistence of cirrhosis is maintained by intrahepatic regulatory T cells that inhibit fibrosis resolution by regulating the balance of tissue inhibitors of metalloproteinases and matrix metalloproteinases. *Transl Res*. 2016 Mar; 169:67-79.e1-2. doi: 10.1016/j.trsl.2015.10.008. Epub 2015 Nov 6. PubMed PMID: 26613891.
172. Liu HX, Rocha CS, Dandekar S, Wan Y-J. Functional analysis of the relationship between intestinal microbiota and the expression of hepatic genes and pathways during the course of liver regeneration. *J Hepatol*. 2016 Mar;64(3):641-50. doi: 10.1016/j.jhep.2015.09.022. Epub 2016 Jan 12. PubMed PMID: 26453969; PubMed Central PMCID: PMC4761311. (Journal highlights).
173. Li YY, Ge QX, Cao J, Zhou YJ, Du YL, Shen B, Wan Y-J, Nie YQ. Association of *Fusobacterium nucleatum* infection with colorectal cancer in Chinese patients. *World J Gastroenterol*. 2016 Mar 21;22(11):3227-33. doi: 10.3748/wjg.v22.i11.3227. PubMed PMID: 27004000; PubMed Central PMCID: PMC4789998.
174. Sheng L, Jena PK, Liu HX, Kalanetra KM, Gonzalez FJ, French SW, Krishnan VV, Mills DA, Wan Y-J. Gender differences in bile acids and microbiota in relationship with gender dissimilarity in steatosis induced by diet and FXR inactivation. *Sci Rep*. 2017 May 11;7(1):1748. doi: 10.1038/s41598-017-01576-9. PubMed PMID: 28496104; PubMed Central PMCID: PMC5431816. (A highlight and feature in *Nutrition Frontiers*, a publication of the Nutritional Science Research Group at NCI, Summer 2017)
175. Liu H, Chen Z, Jin W, Barve A, Wan Y-J, Cheng K. Silencing of α -complex protein-2 reverses alcohol- and cytokine-induced fibrogenesis in hepatic stellate cells. *Liver Res*. 2017 Jun;1(1):70-79. doi: 10.1016/j.livres.2017.05.003. PubMed PMID: 28966795; PubMed Central PMCID: PMC5613955.
176. van Draanen J, Davidson P, Bour-Jordan H, Bowman-Carpio L, Boyle D, Dubinett S, Gardner B, Gardner J, McFall C, Mercola D, Nakazono T, Soares S, Stoppler H, Tempero M, Vandenberg S, Wan Y-J, Dry S. Assessing researcher needs for a virtual biobank. *Biopreserv Biobank*. 2017 Jun;15(3):203-210. doi: 10.1089/bio.2016.0009. Epub 2016 Dec 8. PubMed PMID: 27929677; PubMed Central PMCID: PMC5749588.
177. Jena PK, Sheng L, Liu HX, Kalanetra KM, Mirsoian A, Murphy WJ, French SW, Krishnan VV, Mills DA, Wan Y-J. Western diet-induced dysbiosis in farnesoid X receptor knockout mice causes persistent hepatic inflammation after antibiotic treatment. *Am J Pathol*. 2017 Aug;187(8):1800-1813. doi: 10.1016/j.ajpath.2017.04.019. Epub 2017 Jul 12. PubMed PMID: 28711154; PubMed Central PMCID: PMC5530909. (Cover story) (#Top 10 most cited papers for the journal published in 2017).
178. Sheng L, Jena PK, Hu Y, Liu HX, Nagar N, Kalanetra KM, French SW, French SW, Mills DA, Wan Y-J. Hepatic inflammation caused by dysregulated bile acid synthesis is reversible by butyrate supplementation. *J Pathol*. 2017 Dec;243(4):431-441. doi: 10.1002/path.4983. Epub 2017 Nov 1. PubMed PMID: 28892150; PubMed Central PMCID: PMC5953422.
179. Jena PK, Sheng L, Di Lucente J, Jin LW, Maezawa I, Wan Y-J. Dysregulated bile acid synthesis and dysbiosis are implicated in Western diet-induced systemic inflammation, microglial activation, and reduced neuroplasticity. *FASEB J*. 2018 May;32(5):2866-2877. doi: 10.1096/fj.201700984RR. Epub 2018 Jan 10. PMID: 29401580; PMCID: PMC5901391. A journal highlight and feature in *Nutrition Frontiers*, a publication of the Nutritional Science Research Group at NCI, Winter 2019.
180. Sheng L, Jena PK, Liu HX, Hu Y, Nagar N, Bronner DN, Settles ML, Bäuml AJ, Wan Y-J. Obesity treatment by epigallocatechin-3-gallate-regulated bile acid signaling and its enriched *Akkermansia muciniphila*. *FASEB J*. 2018 Jun 8; fj201800370R. doi: 10.1096/fj.201800370R. [Epub ahead of print] PubMed PMID: 29882708; PubMed Central PMCID: PMC6219838.

181. Jena PK, Sheng L, Nagar N, Wu C, Barile D, Mills DA, Wan Y-J. Synbiotics Bifidobacterium infantis and milk oligosaccharides are effective in reversing cancer-prone nonalcoholic steatohepatitis using western diet-fed FXR knockout mouse models. *J Nutr Biochem*. 2018 Jul;57:246-254. doi: 10.1016/j.jnutbio.2018.04.007. Epub 2018 Apr 25. PubMed PMID: 29800811; PubMed Central PMCID: PMC6015547.
182. Jena PK, Sheng L, Nagar N, Wu C, Barile D, Mills DA, Wan Y-J. The effect of synbiotics Bifidobacterium infantis and milk oligosaccharides on shaping gut microbiota community structure and NASH treatment. *Data Brief*. 2018 Aug;19:1025-1029. doi: 10.1016/j.dib.2018.05.127. eCollection 2018 Aug. PubMed PMID: 29900399; PubMed Central PMCID: PMC5997954.
183. Mordaunt CE, Shibata NM, Kieffer DA, Czlonkowska A, Litwin T, Weiss KH, Gotthardt DN, Olson K, Wei D, Cooper S, Wan Y-J, Ali MR, LaSalle JM, Medici V. Epigenetic changes of the thioredoxin system in the tx-j mouse model and in patients with Wilson disease. *Hum Mol Genet*. 2018 Nov 15;27(22):3854-3869. doi: 10.1093/hmg/ddy262. PubMed PMID: 30010856; PubMed Central PMCID: PMC6216211.
184. Wan Y-J, Sheng L. Regulation of bile acid receptor activity. *Liver Res*. 2018 Dec;2(4):180-185. doi: 10.1016/j.livres.2018.09.008. Epub 2018 Sep 23. PubMed PMID: 32280557; PubMed Central PMCID: PMC7147511.
185. Kim TH, Yang YM, Han CY, Koo JH, Oh H, Kim SS, You BH, Choi YH, Park TS, Lee CH, Kurose H, Nouredin M, Seki E, Wan Y-J, Choi CS, Kim SG. Gα12 ablation exacerbates liver steatosis and obesity by suppressing USP22/SIRT1-regulated mitochondrial respiration. *J Clin Invest*. 2018 Dec 3;128(12):5587-5602. doi: 10.1172/JCI97831. Epub 2018 Nov 12. PubMed PMID: 30300140; PubMed Central PMCID: PMC6264648.
186. Mordaunt CE, Kieffer DA, Shibata NM, Czlonkowska A, Litwin T, Weiss KH, Zhu Y, Bowlus CL, Sarkar S, Cooper S, Wan Y-J, Ali MR, LaSalle JM, Medici V. Epigenomic signatures in liver and blood of Wilson disease patients include hypermethylation of liver-specific enhancers. *Epigenetics Chromatin*. 2019 Feb 1;12(1):10. doi: 10.1186/s13072-019-0255-z. PubMed PMID: 30709419; PubMed Central PMCID: PMC6357467.
187. Hu Y, French SW, Chau T, Liu HX, Sheng L, Wei F, Stondell J, Garcia JC, Du Y, Bowlus CL, Wan Y-J. RARβ acts as both an upstream regulator and downstream effector of miR-22, which epigenetically regulates NUR77 to induce apoptosis of colon cancer cells. *FASEB J*. 2019 Feb;33(2):2314-2326. doi: 10.1096/fj.201801390R. Epub 2018 Sep 25. PubMed PMID: 30252536; PubMed Central PMCID: PMC6338632.
188. Wang L, Wan Y-J. The role of gut microbiota in liver disease development and treatment. *Liver Res*. 2019 Mar;3(1):3-18. doi: 10.1016/j.livres.2019.02.001. Epub 2019 Feb 20. PubMed PMID: 32461811; PubMed Central PMCID: PMC7251939.
189. Wan Y-J, Jena PK. Precision dietary supplementation based on personal gut microbiota. *Nat Rev Gastroenterol Hepatol*. 2019 Apr;16(4):204-206. doi: 10.1038/s41575-019-0108-z. PubMed PMID: 30644454; PubMed Central PMCID: PMC7182348.
190. Chang CM, Wong HS, Huang CY, Hsu WL, Maio ZF, Chiu SJ, Tsai YT, Chen BK, Wan Y-J, Wang JY, Chang WC. Functional effects of let-7g expression in colon cancer metastasis. *Cancers (Basel)*. 2019 Apr 6;11(4). doi: 10.3390/cancers11040489. PubMed PMID: 30959863; PubMed Central PMCID: PMC6521310.
191. Yu S, Wu X, Zhou Y, Sheng L, Jena PK, Han D, Wan Y-J, Hwang ST. A Western diet, but not a high-fat and low-sugar diet, predisposes mice to enhanced susceptibility to imiquimod-induced psoriasiform dermatitis. *J Invest Dermatol*. 2019 Jun;139(6):1404-1407. doi: 10.1016/j.jid.2018.12.002. Epub 2018 Dec 17. PubMed PMID: 30571973; PMCID: PMC7574630
192. Jena PK, Sheng L, Mcneil K, Chau TQ, Yu S, Kiuru M, Fung MA, Hwang ST, Wan Y-J. Long-term Western diet intake leads to dysregulated bile acid signaling and dermatitis with Th2 and Th17 pathway features in mice. *J Dermatol Sci*. 2019 Jul;95(1):13-20. doi: 10.1016/j.jdermsci.2019.05.007. Epub 2019 Jun 8. PubMed PMID: 31213388; PubMed Central PMCID: PMC6991164.
193. Shi Z, Wu X, Yu S, Huynh M, Jena PK, Nguyen M, Wan Y-J, Hwang ST. Short-Term exposure to a Western diet induces psoriasiform dermatitis by promoting accumulation of IL-17A-producing γδ T

- cells. *J Invest Dermatol*. 2020 Feb 10, doi: 10.1016/j.jid.2020.01.020. [Epub ahead of print] PubMed PMID: 32057839; PMCID: PMC7537492.
194. Yu S, Wu X, Shi Z, Huynh M, Jena PK, Sheng L, Zhou Y, Han D, Wan Y-J, Hwang ST. Diet-induced obesity exacerbates imiquimod-mediated psoriasiform dermatitis in anti-PD-1 antibody-treated mice: Implications for patients being treated with checkpoint inhibitors for cancer. *J Dermatol Sci*. 2020 Mar;97(3):194-200. doi: 10.1016/j.jdermsci.2020.01.011. Epub 2020 Jan 24. PubMed PMID: 32044178; PMCID: PMC7469262.
 195. Wang L, Rohatgi AP, Wan Y-J. Retinoic acid and microRNA. *Methods Enzymol*. 2020; 637:283-308. doi: 10.1016/bs.mie.2020.02.009. Epub 2020 Mar 28. PubMed PMID: 32359650. PMCID: PMC7445077
 196. Jena PK, Sheng L, Li Y, Wan Y-J. Probiotics VSL#3 are effective in reversing non-alcoholic steatohepatitis in a mouse model. *Hepatobiliary Surg Nutr*. 2020 Apr;9(2):170-182. doi: 10.21037/hbsn.2019.09.07. PubMed PMID: 32355675; PubMed Central PMCID: PMC7188546. Awarded as an outstanding contribution to the journal in 2021.
 197. Hu Y, Liu HX, Jena PK, Sheng L, Ali MR, Wan Y-J. miR-22 inhibition reduces hepatic steatosis via FGF21 and FGFR1 induction. *JHEP Rep*. 2020 Apr;2(2):100093. doi: 10.1016/j.jhepr.2020.100093. eCollection 2020 Apr. PubMed PMID: 32195457; PubMed Central PMCID: PMC7078383.
 198. Wang L, Wang YS, Mugiyanto E, Chang WC, Wan Y-J. MiR-22 as a metabolic silencer and liver tumor suppressor. *Liver Res*. 2020 Jun;4(2):74-80. doi: 10.1016/j.livres.2020.06.001. Epub 2020 Jun 9. PMID: 33005474; PMCID: PMC7523703.
 199. Hasegawa Y, Chen SY, Sheng L, Jena PK, Kalanetra KM, Mills DA, Wan Y-J, Slupsky CM. Long-term effects of western diet consumption in male and female mice. *Sci Rep*. 2020 Sep 7;10(1):14686. doi: 10.1038/s41598-020-71592-9. PubMed PMID: 32895402; PMCID: PMC7477228.
 200. Shen B, Li A, Wan Y-J, Shen G, Zhu J, Nie Y. Lack of PPAR β/δ -Inactivated SGK-1 is implicated in liver carcinogenesis. *Biomed Res Int*. 2020:9563851. doi: 10.1155/2020/9563851. eCollection. PubMed PMID: 33083492; PMCID: PMC7556072.
 201. Wang Y, Wan Y-J. Golgi protein 73, hepatocellular carcinoma and other types of cancers. *Liver Res*. 2020 Dec;4(4):161-167. doi: 10.1016/j.livres.2020.09.003. Epub 2020 Sep 25. PubMed PMID: 33343966; PubMed Central PMCID: PMC7743997.
 202. Vaziri F, Colquhoun S, Wan Y-J. Hepatocellular carcinoma immunotherapy: The impact of epigenetic drugs and the gut microbiome. *Liver Res*. 2020 Dec;4(4):191-198. doi: 10.1016/j.livres.2020.10.001. Epub 2020 Oct 17. PubMed PMID: 33343967; PubMed Central PMCID: PMC7746137.
 203. Merleev AA, Park D, Xie Y, Kailemia MJ, Xu G, Ruhaak LR, Kim K, Hong Q, Li Q, Patel F, Wan Y-J, Marusina AI, Adamopoulos IE, Lal NN, Mitra A, Le ST, Shimoda M, Luxardi G, Lebrilla CB, Maverakis E. A site-specific map of the human plasma glycome and its age and gender-associated alterations. *Sci Rep*. 2020 Oct 15;10(1):17505. doi: 10.1038/s41598-020-73588-x. PMID: 33060657; PMCID: PMC7567094.
 204. Jena PK, Sheng L, Nguyen M, Di Lucente J, Hu Y, Li Y, Maezawa I, Jin LW, Wan Y-J. Dysregulated bile acid receptor-mediated signaling and IL-17A induction are implicated in diet-associated hepatic health and cognitive function. *Biomark Res*. 2020 Nov 6;8(1):59. doi: 10.1186/s40364-020-00239-8. PubMed PMID: 33292701; PubMed Central PMCID: PMC7648397.
 205. Shih TC, Wang L, Wang HC, Wan Y-J. Glypican-3: A molecular marker for the detection and treatment of hepatocellular carcinoma. *Liver Res*. 2020 Dec;4(4):168-172. doi: 10.1016/j.livres.2020.11.003. Epub 2020 Nov 11. PubMed PMID: 33384879; PubMed Central PMCID: PMC7771890.
 206. Setayesh T, Colquhoun S, Wan Y-J. Overexpression of galectin-1 and galectin-3 in hepatocellular carcinoma. *Liver Res*. 2020 Dec; 4(4): 173-179. PMID: 34567824. PMCID: PMC8460053.
 207. Colquhoun SD, Wan Y-J. Hepatocellular carcinoma diagnosis and treatment: An overview. *Liver*

- Res. 2020 Dec;4(4):159-160. doi: 10.1016/j.livres.2020.11.006. Epub 2020 Nov 23. PubMed PMID: 33391846; PubMed Central PMCID: PMC7774646.
208. Sheng L, Jena PK, Hu Y, Wan Y-J. Age-specific microbiota in altering host inflammatory and metabolic signaling as well as metabolome based on the sex. *Hepatobiliary Surg Nutr*. 2021 Jan;10(1):31-48. doi: 10.21037/hbsn-20-671. PMID: 33575288; PMCID: PMC7867716.
 209. Shi Z, Wu X, Rocha CS, Rolston M, Garcia-Melchor E, Huynh M, Nguyen M, Law T, Haas KN, Yamada D, Millar NL, Wan Y-J, Dandekar S, Hwang ST. Short-term Western diet intake promotes IL-23-mediated skin and joint inflammation accompanied by changes to the gut microbiota in mice. *J Invest Dermatol*. 2021 Jan 21; doi: 10.1016/j.jid.2020.11.032. [Epub ahead of print] PubMed PMID: 33485880; PMCID: PMC8634664.
 210. Khaliq A, Ravindran R, Afzal S, Jena PK, Akhtar MW, Ambreen A, Wan Y-J, Malik KA, Irfan M, Khan IH. Gut microbiome dysbiosis and correlation with blood biomarkers in active-tuberculosis in endemic setting. *PLoS One*. 2021 Jan 22;16(1):e0245534. doi: 10.1371/journal.pone.0245534. PMID: 33481833; PMCID: PMC7822526.
 211. Mazi TA, Borkowski K, Newman JW, Fiehn O, Bowlus CL, Sarkar S, Matsukuma K, Ali MR, Kieffer DA, Wan Y-J, Stanhope KL, Havel PJ, Medici V. Ethnicity-specific alterations of plasma and hepatic lipidomic profiles are related to high NAFLD rate and severity in Hispanic Americans, a pilot study. *Free Radic Biol Med*. 2021 Aug 20;172:490-502. doi: 10.1016/j.freeradbiomed.2021.06.024. PMID: 34182070. PMCID: PMC8712226
 212. Liu AT, Chen S, Jena P, Sheng L, Hu Y, Wan Y-J. Probiotics improve gastrointestinal function and life quality in pregnancy. 2021, Vol 13, Issue 11, 3931. PMID: 34836186, PMCID: PMC8624890, DOI: 10.3390/nu13113931
News release: <https://www.sciencedaily.com/releases/2021/12/211204190916.htm>
 213. Maverakis E, Merleev AA, Park D, Kailemia MJ, Xu G, Ruhaak LR, Kim K, Hong Q, Li Q, Leung P, Liakos W, Wan Y-J, Bowlus CL, Marusina AI, Lal NN, Xie Y, Luxardi G, Lebrilla CB. Glycan biomarkers of autoimmunity and bile acid-associated alterations of the human glycome: Primary biliary cirrhosis and primary sclerosing cholangitis-specific glycans. *Clin Immunol*. 2021 Sep; 230:108825. doi: 10.1016/j.clim.2021.108825. Epub 2021 Aug 14. PMID: 34403816.
 214. Mazi TA, Borkowski K, Newman JW, Fiehn O, Bowlus CL, Sarkar S, Matsukuma K, Ali MR, Kieffer DA, Wan Y-J, Stanhope KL, Havel PJ, Medici V. Plasma oxylipin profile discriminates ethnicities in subjects with non-alcoholic steatohepatitis: an exploratory analysis. *Metabolites* 2022 Feb 19;12(2):192. doi: 10.3390/metabo12020192. PMID: 35208265 PMCID: PMC8875408
 215. Shi Z, Wu X, Singh S, Law T, Huynh M, Yamada D, Liakos W, Wu JC, Yang G, Farber JM, Wan Y-J, Hwang ST. Bile acids improve psoriasiform dermatitis through inhibition of IL-17A expression and CCL20-CCR6 mediated trafficking of T cells. *Journal of Investigative Dermatology*. 2022 May, DOI: 10.1016/j.jid.2021.10.027; PMID: 34808237; PMCID: PMC9728300
 216. Jena PK, Setayesh T, Sheng L, Di Lucente J, Jin LW, Wan Y-J. Intestinal microbiota remodeling protects mice from Western diet-induced brain inflammation and cognitive decline. *Cells*. 2022 Feb 1;11(3):504. doi: 10.3390/cells11030504. PMID: 35159313; PMCID: PMC8834507.
 217. Li Y, Sheng L, Jena PK, Gilbert MC, Wan Y-J, Mao H. Retinoic acid signaling is compromised in DSS-Induced dysbiosis. *Nutrients*. 2022; 14(14):2788. doi.org/10.3390/nu14142788. PMID: 35889745. PMCID: PMC9315703
 218. Gilbert M, Setayesh T, Wan Y-J. The contributions of bacteria metabolites to the development of hepatic encephalopathy. *Liver Research*, 2023 Dec;7(4):296-3033. doi.org/10.1016/j.livres.2022.11.005. Epub 2022 Nov 15. PMID: 38221945, PMCID: PMC10786625.
 219. Yang G, Jena PK, Hu Y, Sheng L, Chen S-Y, Slupsky CM, Davis R, Tepper CG, Wan Y-J. The essential roles of FXR in diet and age influenced metabolic changes and liver disease development: a multi-omics study. *Biomarker Research*, 2023 Feb 18;11(1):20. doi: 10.1186/s40364-023-00458-9. PMID: 36803569, PMCID: PMC9938992.
 220. Miljaz UM, Vaziri F, Wan Y-J. Effects of Bacillus Calmette-Guérin on immunometabolism, microbiome, and liver diseases. *Liver Research*, 2023 Jun;7(2):116-123. doi:

- 10.1016/j.livres.2023.05.001. Epub 2023 May 19, PMID: 38223885. PMCID: PMC10786626.
221. Hu Y, Setayesh T, Vaziri F, Wu X, Hwang ST, Chen X, Wan Y-J. miR-22 gene therapy treats HCC by promoting anti-tumor immunity and enhancing metabolism. *Molecular Therapy*, 2023 Jun 7;31(6):1829-1845. PMID: 37143325. PMCID: PMC10277895. This manuscript is honorably included in The Cancer Letter, Vol 49, No 34, September 15, 2023.
222. Mifflin R, Park J, Lee M, Jena P, Wan Y-J, Barton H, Aghayev M, Kasumov T, Lin L, Wang X, Novak R, Li F, Huang H, Shriver L, Lee Y. Microbial products linked to steatohepatitis of nuclear hormone receptor SHP in mice. *Journal of Lipid Research*, 2023 Dec;64(12):100469. PMID: 37922990 PMCID: PMC10698000.
223. Setayesh T, Hu Y, Vaziri F, Chen X, Lai J, Wei D, Wan Y-J. Targeting stroma and tumor, silencing galectin-1 treats orthotopic mouse HCC, *Acta Pharmaceutica Sinica B*, 2024, Jan;14(1):292-303. PMID: 38261802. PMCID: PMC10793093
224. Vaziri F, Setayesh T, Hu Y, Ravindran R, Wei D, Wan Y-J. BCG as an innovative option for HCC treatment: Repurposing and Mechanistic Insights. *Advanced Science*, 2024 Apr;11(14):e2308242. PMID: 38308164; PMCID: PMC11005731. This manuscript is honorably included in The Cancer Letter, Vol 50, No 11, March 8, 2024, and the 10th Anniversary Special Collection of Advanced Science.
225. Lin Y, Yang F, Shang B, Speich J, Wan Y-J, Hashida H, Braun T, Sadoughi A, Puehler T, Lue T, Zhang K. Reporting quality of animal research in journals that published the ARRIVE 1.0 or ARRIVE 2.0 guidelines: a cross-sectional analysis of 943 studies. *Cardiovascular Diagnosis and Therapy*, 2024, 14(6):1070-1082, PMID: 39790189 PMCID: PMC11707473.
226. Palupi P, Wei C, Chou W, Lin M, Wan Y-J, Chang W. Dietary contributions in the genetic variation of liver fibrosis: a genome-wide association study of fibrosis-4 index in the liver fibrosis development. *Cell & Bioscience*, 2024 Nov 22;14(1):141. PMID: 39578894, PMCID: PMC11583755
227. Yang G, Wan Y-J. Noninvasive biomarkers implicated in urea and TCA cycles for metabolic liver disease. *Biomarker Research*, 2024 Nov 22;12(1):145, PMID: 39578903, PMCID: PMC11583652.
228. Liu R, Blythe Durbin-Johnson, Paciotti B, Liu A, Weakly A, Liu X, Wan Y-J. Metabolic Dysfunctions Predict the Development of Alzheimer's Disease: A Statistical and Machine Learning Analysis of EMR Data. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*. 2024, Oct;20(10):6765-6775. PMID: 39140368, PMCID: PMC11485292.
229. Setayesh T, Hu Y, Vaziri F, Wei D, Wan Y-J. The spatial impact of a Western diet in enriching galectin-1-regulated Rho, ECM, and SASP Signaling in a novel MASH-HCC mouse model. *Biomarker Research*, 2024 Oct 14;12(1):122. PMID: 39402682; PMCID: PMC11476289.
230. Lau P, Wei C, Lin M, Chou W, Wan Y-J, Chang W. Genome-wide association study of the fatty liver index in the Taiwanese population reveals shared and population-specific genetic risk factors across ethnicities. *Cell & Bioscience*, 2025, Feb 8;15(1):19. PMID: 39923089; PMCID: PMC11807309.
231. Hu Y, Setayesh T; Wei D, Testerman T, Ji Y, Wan Y-J. Multi-pathway targeted therapy of MASH-HCC using miR-22. *Cell & Bioscience*, 2025, Feb 14;15(1):20. PMID: 39953622; PMCID: PMC11829531.
232. Hsu SW, Lin MR, Chou WH, Wan Y-J, Kao WY, Chang WC. Discovery and cross-ancestry validation of genetic risk variants for lean metabolic dysfunction-associated steatotic liver disease. *Cell & Bioscience*, 2025 Oct 2;15(1):131. PMID: 41039588 PMCID: PMC12492509.
233. Cao L, Wan Y-J, Wang J, Zhu Y, Wang G. Emerging roles of porcine bile acids in disorders involving the gut-liver-brain axis: novel insights into therapeutic targeting. *Pakistan Veterinary Journal*, 2025, DOI: 10.29261/pakvetj/2025.288
234. Hu Y, Setayesh T, Jena PK, Ji Y, Testerman T, Liu L, Shih TC, Wang XJ, Liu FT, Lam KS, Wan Y-J. miR-22-Galectin-1 as an integral signaling axis in regulating metabolism and immunity in HCC. *Biomarker Research*, 2026 Jan 15;14(1):11. PMID: 41540504, PMCID: PMC12809943.
235. Bender KJ, Hu Y, Teodoro BR; Zhai CY, Wan Y-J*, Neumann, E*. Roles of FXR in Lipid Biochemistry within Hepatocellular Carcinoma Using MALDI MSI. *Journal of the American Society for Mass Spectrometry*, 2026 May 6;37(5):1102-1112, PubMed ID: 42033362 (*co-corresponding authors)

236. Takada YK, Wan Y-J, Takada Y. Galectin-3 binds to the RGD-binding site in a glycan-independent manner and to the allosteric site and activates integrins $\alpha\beta3$, $\alpha11\beta3$, and $\alpha5\beta1$. *BioRxiv*, 2026 Feb 7:2026.02.05.704096. PMCID: PMC12889656, PMID: 41676549.
237. Takada YK, Wan Y-J, Takada Y. Galectin-3 Binds to the Allosteric Site and Activates Integrins $\alpha\beta3$, $\alpha11\beta3$, and $\alpha5\beta1$, and Lactose Inhibits This Activation. *Biomolecules* 2026, April 15, 16(4), 586; <https://doi.org/10.3390/biom16040586>. PubMed ID: 42072707

Book Chapters:

1. French S, Wan Y-J (2003). Nutritional factors in the pathogenesis of alcoholic liver disease: an update. In R.R. Watson and V.R. Preedy (Eds). *Nutrition and Alcohol: Linking Nutrient Interactions and Dietary Intake* (pgs. 43-55). Boca Raton, FL: CRC Press. DOI: 10.1201/9780203507636.sec2
2. Lin K-M, Chen CC, Wan Y-J (2021, published online). Application of pharmacogenomics and personalized medicine for the care of depression. In EB Chad and MS Stephen (Eds.). *Next Generation Antidepressants- Moving Beyond Monoamines to Discover Novel Treatment Strategies for Mood Disorders* (pgs 119-131). Cambridge, England: Cambridge University Press. DOI: <https://doi.org/10.1017/9780511778414>, Print publication year: 2010.

Non-Peer-Reviewed Publication:

- 1 "State of the Science: Cancer Complementary and Alternative Medicine Therapeutics Research" - NCI Strategic Workshop Highlights of Discussion Report (2017) J Natl Cancer Inst Monogr. (Authorship is listed in the note of the publication) PMID: 29140484, PMCID: PMC6061228
- 2 Yang G, Liu R, Rezaei S, Liu X, Wan Y-J. Machine Learning to Identify Molecular Markers for Metabolic Disease Development Using Mouse Models, March 12, 2023, *BioRxiv*, doi: <https://doi.org/10.1101/2023.03.11.532149>

Scientific Meeting Abstracts:

1. Wan Y-J, Orrison B, Ozato K. Expression of mouse major histocompatibility (MHC) class I genes in embryos and F9 teratocarcinoma cell line. *FASEB Journal* 1985.
2. Chou JY, Wan Y-J. In vitro regulation of liver maturation. In "Regulation of Liver Gene Expression." Cold Spring Harbor Laboratory, Cold Spring Harbor, New York. 1987.
3. Wan Y-J, Jiménez-Molina JL, Chou JY. Characterization of the mRNA encoding the variant α -fetoprotein. *FASEB Journal* 1988.
4. Wu T-C, Wan Y-J. Immunohistochemical localization of laminin and entactin in human placentas and hydatidiform moles. The 45th annual meeting of the American Fertility Society. Abstract 233, 1989.
5. Wu T-C, Wan Y-J. Proto-oncogene c-fos mRNA expression in human endometrium during the normal menstrual cycle. Slide presentation at the 37th annual meeting of the Society of Gynecologic Investigation. Abstract 25, 1990.
6. Wu T-C, Wan Y-J. Estrogen regulates c-Fos gene expression in human endometrial cancer cell lines. Slide presentation at the 38th annual meeting of the Society of Gynecologic Investigation, 1991.
7. Wu T-C, Wang L, Wan Y-J. Autoregulation of retinoic acid receptor α , β , and γ gene expression in F9 teratocarcinoma cells. The annual meeting of the Endocrine Society, 1991.
8. Wan Y-J, Wang L, Wu T-C. Expression of retinoic acid receptor α , β , and γ genes in the mouse reproductive system. The 38th annual meeting of the Society of Gynecologic Investigation, 1991.
9. Wu T-C, Wang L, Wan Y-J. Differential mRNA expression of retinoic acid receptor α , β , and γ during mouse embryogenesis. Slide presentation at the 38th annual meeting of the Society of Gynecologic Investigation, 1991.
10. Wan Y-J, Wu T-C. Retinoic acid regulates liver-specific gene expression in rat hepatoma cells.

- Slide presentation at the annual meeting of the Endocrine Society, 1991.
11. Sawicki MP, Wan Y-J, Johnson CL, Berenson J, Passaro E. Loss of heterozygosity of chromosome 11 in sporadic gastrinomas. Miami Biotechnology Winter Symposia: Advances in Gene Technology, The Molecular Biology of Human Genetic Disease. Short reports, Vol. 1, p. 82, 1991.
 12. Wu T-C, Lee S-M, Jih M, Wan Y-J. Distribution of lectin binding sites in the mouse oviduct and uterus during pregnancy. Annual meeting of Society for the Study of Reproduction, 1991.
 13. Wu T-C, Wang L, Wan Y-J. Expression of estrogen receptor mRNA in oocytes and during embryogenesis. Slide presentation at the 47th annual meeting of The American Fertility Society, 1991.
 14. Wu T-C, Wang L, Wan Y-J. Expression of interferon- γ receptor mRNA during mouse embryogenesis. Symposium on Preimplantation Embryo Development, Sero Symposium U.S.A., 1991.
 15. Wu T-C, Jih M, Wang L, Wan Y-J. Expression of activin receptor mRNA in mouse oocytes and embryos. The 39th annual meeting of the Society of Gynecologic Investigation, 1992.
 16. Wan Y-J, Wang L, Wu, T-C. Expression of glucocorticoid receptor mRNA in preimplantation mouse embryos. Slide presentation at the 39th annual meeting of the Society of Gynecologic Investigation, 1992.
 17. Jih M, Wang L, Wan Y-J, Wu T-C. Expression of activin receptor mRNA in mouse reproductive organs. Slide presentation at the 39th annual meeting of the Society of Gynecologic Investigation, 1992.
 18. Wu T-C, Wang L, Wan Y-J. Proto-oncogene c-fos is activated in preimplantation embryos. The 39th annual meeting of the Society of Gynecologic Investigation, 1992.
 19. Wu T-C, Sun ZH, Wang L, Heiner JS, Wan Y-J. Hormone regulation of epidermal growth factor receptor and insulin-like growth factor receptor mRNAs in human endometrial cancer cell lines. Slide presentation at the 39th annual meeting of the Society for Gynecologic Investigation, 1992.
 20. Jih M, Wu T-C, Wan Y-J, Lu J. An enhanced ovarian inhibin subunit gene expression in aged persistent-estrous rats; restoration by progesterone. Slide presentation at the 39th annual meeting of the Society for Gynecologic Investigation, 1992.
 21. Jih M, Lu J, Wan Y-J, Wu T-C. Inhibin subunit gene expression and distribution in the ovaries of immature, mature, and old female rats. The 39th annual meeting of the Society for Gynecologic Investigation, 1992.
 22. Wu T-C, Wang L, Wan Y-J. Detection of estrogen receptor mRNA in human oocytes and cumulus-oocytes complex using reverse transcriptase-polymerase chain reaction. Slide presentation at the 40th annual meeting of the Pacific Coast Fertility Society, 1992.
 23. Wu T-C, Lee S-M, Jih M, Wan Y-J. Differential distribution of oligosaccharides in the human female reproductive tract. Presentation at the 40th annual meeting of the Pacific Coast Fertility Society, 1992.
 24. Heiner JS, Wan Y-J, Jih M, Wang L, Wu T-C. Epidermal growth factor receptor gene expression during the normal human menstrual cycle. Presentation at the 40th annual meeting of the Pacific Coast Fertility Society, 1992.
 25. Wan Y-J, Wu, T-C. Retinoic acid receptor gene expression and regulation in developing rat livers and hepatoma cells. Ninth International Congress of Endocrinology, Nice, France, 1992.
 26. Sawicki MD, Wan Y-J, Johnson CL, Berensen J, Gatti R, Passaro E. Loss of heterozygosity on chromosome 11 in sporadic gastrinomas. Presented at the American Society of Human Genetics, 1992.
 27. Heiner J, Wang L, Rutgers J, Wan Y-J, Cai L, Wu T-C. Expression of mRNAs encoding epidermal growth factor (EGF) and receptor (EGFR) throughout the menstrual cycle. Presentation at the 40th annual meeting of the Society of Gynecologic Investigation, 1993.
 28. Wu T-C, Wang L, Wan Y-J. Retinoic acid regulates activin receptor gene expression in F9 embryonal carcinoma cells. Presentation at the 40th annual meeting of the Society of Gynecologic Investigation, 1993.
 29. Wu T-C, Wang L, Jih M, Wan Y-J. Differential expression of transforming growth factor receptor

- genes in male and female reproductive systems in mice. Presentation at the 40th annual meeting of the Society of Gynecologic Investigation, 1993.
30. Wu T-C, Wang L, Jih M, Wan Y-J. Detection of transforming growth factor- β 1, 2, and 3 mRNAs in the reproductive system. Slide presentation at the 40th annual meeting of the Society of Gynecologic Investigation, 1993.
 31. Wu, T-C, Wang L, Jih M, Wan Y-J. Mouse reproductive organs express Activin receptor II B mRNA isoforms. Slide presentation at the 40th annual meeting of the Society of Gynecologic Investigation, 1993.
 32. Klein D, Wan Y-J, Okuda H, Sokol RZ. Effect of toxic lead levels on the genetic regulation of the male axis. Submitted to The American Federation of Clinical Research, 1993.
 33. Wan Y-J, Wang L, Wu T-C. Retinoic acid regulates the expression of retinoic X receptor genes in F9 teratocarcinoma cells. Conference on "Mechanism of Action of Retinoids, Vitamin D, and Steroid Hormones", American Association for Cancer Research, Banff, Alberta, Canada, 1993.
 34. Wan Y-J, Wang L, Wu T-C. The expression of retinoid X receptor α mRNA is upregulated by dexamethasone in rat hepatoma cell lines. The 75th Annual Meeting of the Endocrine Society, Las Vegas, USA, 1993.
 35. Wu T-C, Wang L, Wan Y-J. Induction of activin receptor IIB mRNA by retinoic acid in mouse teratocarcinoma F9 cells. The 75th Annual Meeting of the Endocrine Society, Las Vegas, USA, 1993.
 36. Samara GJ, Sawicki MP, Gatti R, Eubanks PJ, Wan Y-J, Johnson C, Hurwitz M, Nakamura Y, Passaro E. Localization of the SEA marker within the MEN1 consensus region and the exclusion of KRN1. Presented at the American Society of Human Genetics, 1993.
 37. Eubanks PJ, Sawicki MP, Samar GJ, Wan Y-J, Gatti R, Johnson C, Nakamura Y, Passaro E. Similar etiology of formation of Von Hippel-Lindau, MEN 1, and sporadic pancreatic islet cell tumors based on loss of heterozygosity at 11 q13. Presented at the American Society of Human Genetics, 1993.
 38. Wan Y-J, Pan T, Wu T-C. Retinoid X receptor α mediates the transcription of the α -fetoprotein gene induced by retinoic acid. Keystone Symposia on Molecular and Cellular Biology, Steroid/Thyroid/Retinoid Acid Super Gene Family, Taos, New Mexico 1994.
 39. Eubanks PJ, Wan Y-J, Samara GJ, Hurwitz M, Gatti R, Tsao D, Johnson C, Nakamura Y, Passaro E, Sawicki MP. A putative tumor suppressor gene on chromosome 11 is important in the formation of sporadic endocrine tumors. Presentation at the 34th Annual Meeting of the Society for Surgery of the Alimentary Tract. 1993.
 40. Wu T-C, Chang T-H, Wan Y-J. Retinoic acid exerts dual effects on preimplantation mouse embryonic development. Presentation at the 41st Annual Meeting of the Society for Gynecologic Investigation, 1994.
 41. Ng ST, Wang L, Wan Y-J, Wu T-C. Temporal pattern of estrogen receptor (ER) gene expression in growing and peri-ovulatory mouse oocytes. Presentation at the 41st Annual Meeting of the Society for Gynecologic Investigation, 1994.
 42. Zhang XY, Peng SK, Chai NN, Wan Y-J, Morin RJ. Influence of cholesterol oxides on gene expression of platelet-derived growth factor in cultured aortic smooth muscle cells. Experimental Biology, FASEB, 1994.
 43. Peng SK, Zhang XY, Chai NN, Wan Y-J, Morin RJ. Cholesterol oxides inhibit expression of LDL receptor gene in cultured rabbit aortic smooth muscle cells. Experimental Biology. FASEB, 1994.
 44. Wan Y-J, Wang L, Wu T-C. Regulation of retinoid X receptor gene expression during endoderm differentiation of F9 teratocarcinoma cells. The 85th Annual Meeting of the American Association for Cancer Research, San Francisco, USA, 1994.
 45. Wan Y-J, Locker J, Pan T. Activation of retinoid X receptor α up-regulates α -fetoprotein gene transcription in rat hepatoma cells. The 85th Annual Meeting of the American Association for Cancer Research, San Francisco, USA, 1994.
 46. Wang L, Jih M, Wan Y-J, Wu T-C. Expression of activin receptor type IIB gene in mouse oocytes and during embryogenesis. The 76th Annual Meeting of the Endocrine Society, 1994.
 47. Wan Y-J, Wang L, Wu T-C. Retinoic acid increases the binding of nuclear proteins to retinoic acid response elements in F9 embryonal carcinoma cells. The 76th annual meeting of the Endocrine

- Society, 1994.
48. Morimoto M, Hagbjork AL, Ingelman-Sundberg M, Albano E, Wan Y-J, Fu P, French SW. Role of cytochrome P450 2E1 (CYP2E1) in the pathogenesis of ethanol-induced liver injury. The Seventh Congress of the International Society for Biomedical Research on Alcoholism, 1994.
 49. Wan Y-J, Morimoto M, Thurman R, French S. Peroxisome proliferator-activated receptor (PPAR) mRNA is suppressed in alcohol induced liver diseases (ALD). The Seventh Congress of the International Society for Biomedical Research on Alcoholism, 1994.
 50. Wu T-C, Wang L, Jih M, Wan Y-J. Human and mouse oocytes do not express the progesterone receptor gene. The 50th annual meeting of the American Fertility Society, 1994.
 51. Wan Y-J. Retinoic acid induces differentiation and antiproliferation of hepatoma cells. International Symposium on Cancer and Aids, 1995.
 52. Wan Y-J, Wang L, Wu T-C. Characterization of retinoic acid-resistant F9 cell line. Mechanism of Action of Retinoids, Vitamin D, and Steroid Hormones, Organized by AACR, Whistler, British Columbia, Canada, 1995.
 53. Wu T-C, Wang L, Wan Y-J. Regulation of gene transcription during retinoic acid-induced differentiation of F9 teratocarcinoma cells. The 42nd Annual Meeting of the Society for Gynecologic Investigation, 1995.
 54. Kang BM, Wan Y-J, Wu, T-C. Effects of retinoic acid on murine pre-implantation morphogenesis in vitro. The 42nd Annual Meeting of the Society for Gynecologic Investigation, 1995
 55. Wan Y-J. Regulation of the AFP gene mediated by retinoic acid. The 23rd meeting of the International Society for Oncodevelopmental Biology and Medicine, Montreal, Canada, 1995.
 56. Wan Y-J, Locker J, Chen, L. Retinoic acid regulates the α -fetoprotein gene through interaction of RXR α with a retinoic acid response element-like sequence. Keystone Symposia Conference on Steroid/Thyroid/Retinoic Acid Gene Family, Incline Village, Lake Tahoe, Nevada, 1996.
 57. Gaal K, Yuan QX, French B, Wan Y-J, French SW. Role of NF κ B in thioacetamide-induced regeneration of drug-primed mouse liver. The 6th International Congress on Cell Biology, Mole Biol Cell Suppl 7: 354a, 1996.
 58. Nagao Y, Yuan QX, Wan Y-J, Zhang-Gouillon ZQ, French B, French SW. Changes in gene expression during drug-induced neoplastic transformation in mouse livers. The 6th International Congress on Cell Biology, Mole Biol Cell Suppl 7: 355a, 1996.
 59. Nagao Y, Wan Y-J, Yuan OX, French SW. Changes in gene expression during Mallory body induction in drug-primed mice livers. FASEB J. 11:A 227, 1997.
 60. Yuan OX, Nagao Y, French BA, Wan Y-J, French SW. Ethanol, okadaic acid and D-galactosamine induce Mallory bodies in drug-primed mice: Role of NF κ B. FASEB J.11: A308, 1997.
 61. Wan Y-J, Cai Y. Retinoic acid negatively regulates retinoid X receptor α -mediated pathways in the Hep3B hepatoma cell line. The 79th annual meeting of the Endocrine Society, Minneapolis, MN 1997.
 62. Wan Y-J, Locker J. Retinoic acid has dual effects in regulating AFP gene expression in hepatoma cell lines. The 79th annual meeting of the Endocrine Society, Minneapolis, MN 1997.
 63. Nagao Y, French S, Wan Y-J. The PPAR α /RXR α -mediated pathway is inhibited in griseofulvin-induced mouse hepatoma. The 79th annual meeting of the Endocrine Society, Minneapolis, MN 1997.
 64. Wan Y-J, Cai Y. The expression of the α -fetoprotein and retinoid X receptor α genes is associated with proliferation of Hep3B cells. AACR special conference, "Transcriptional Control of Proliferation, Differentiation, and Development," The Sagamore, Bolting Landing, New York, 1997.
 65. Wan Y-J, Magee T, Locker J. Retinoic acid-mediated down-regulation of the α -fetoprotein gene is mediated by decreased expression of HNF-1 in Hep3B cells. Keystone Symposia on Molecular and Cellular Biology, Incline Village, Nevada, 1998.
 66. Wan Y-J. A complex interplay of trans-acting factors is responsible for the retinoic acid-mediated regulation of the α -fetoprotein gene in hepatoma cells. The 3rd Joint Cancer Conference, Taipei, Taiwan, 1998.
 67. Wan Y-J, Lin K-M, Zheng Y, Lutuhmansingh P, Poland R. Ethnicity and CYP2D6 genetic polymorphism. The 7th International Symposium of Pacific Rim Association for Clinical

- Pharmacogenetics, Taipei, Taiwan, 1999.
68. Wan Y-J, Cai Y, Cowan C, Magee T. (C16:0)-CoA Inhibits retinoic acid-induced apoptosis in Hep3B cells. The Endocrine Society's 81st annual meeting. San Diego, CA 1999.
 69. Wan Y-J, Cai Y. The expression of the α -fetoprotein and retinoid x receptor gene is associated with proliferation of Hep3B cells. The Endocrine Society's 81st annual meeting. San Diego, CA 1999.
 70. Wan Y-J, Cai Y, Li J, Yuan Q, French B, French S. Regulation of peroxisome proliferator-activated receptor α -mediated pathways in alcohol fed cytochrome P450-deficient mice. Alcohol Research Center Annual Symposium, USC, 1999.
 71. Wan Y-J, An D, Repa J, Cai Y, Flores M, Fu P, Postic K, French S, Magnuson MA, Chen J, Chien KR, Mangelsdorf D, Sucov HM. Hepatocyte-specific mutation establishes RXR α as a heterodimeric integrator of multiple physiological processes in the liver. AACR special conference, Keystone Symposia, Nuclear Receptor 2000, Steamboat Springs, Co, 2000.
 72. Wan Y-J, Cai Y, Li J, Yuan Q, French B, French S. Regulation of peroxisome proliferator-activated receptor α -mediated pathways in alcohol fed cytochrome P450 deficient mice. International Association for the Study of the Liver Disease, Fukuoka, Japan, 2000.
 73. Wan Y-J, Cai Y, Lungo W, Fu P, Locker J, French S, Sucov H. The peroxisome proliferator-activated receptor α -mediated pathways are altered in the liver specific RXR α knockout mouse. International Association for the Study of the Liver Disease, Fukuoka, Japan, 2000.
 74. French S, Li J, French BA, Yuan QX, Bardag-Gorce F, Wan Y-J. Hypoxia reperfusion liver injury in an alcohol binge drinking rat model. Oral presentation in the 51st Annual Meeting and Graduate Course of Hepatology. Vol 32, No 4, Pt. 2 of 2, 2000.
 75. Wan Y-J, Poland RE, Han G, Konishi T, Zheng YP, Lin KM. CYP2D6 gene polymorphism and enzyme activity in Africa Americans in Southern California. American Society for Clinical Pharmacology and Therapeutics, 2001.
 76. Wan Y-J, Cai Y, Konishi T, Han G. Hepatocyte RXR α -deficient mice fed high-fat diet are obese but have increased glucose tolerance. The Endocrine Society's 83rd annual meeting, Denver, Colorado, 2001.
 77. Cai Y, Han G, Konishi T, Fu P, Sucov HM, Wan Y-J. Hepatocyte RXR α deficiency leads to sexually dimorphic phenotype. The Endocrine Society's 83rd annual meeting, Denver, Colorado, 2001.
 78. Wan Y-J. Interaction between nuclear receptor and cytochrome P450 genes. The Pacific Rim Association for Clinical Pharmacogenetics, Hong Kong, October 2001.
 79. Wan Y-J, Han G, Cai Y, Konishi T, Dai T. Hepatocyte RXR α -deficient mice have reduced food intake, increased body weight, and improved glucose tolerance. The Endocrine Society's 84th annual meeting, San Francisco, CA 2002. (Served as a Chair for an oral abstract session- Thyroid, Retinoid & Orphan Receptor)
 80. Han G, Li J, Wan X-D, French S, Wan Y-J. Hepatocyte RXR α -deficiency leads to increased alcohol elimination rate and alcohol-induced liver pathology. RSA/ISBRA joint meeting, San Francisco, CA 2002.
 81. Lin KM, Konishi T, Smith JL, Calvillo M, Lee T, Feng J, Eysselein V, Wan Y-J. Genetics and alcoholism in Mexican Americans. RSA/ISBRA joint meeting, San Francisco, CA 2002.
 82. Smith JL, Leng AS, Calvillo M, Lin KM, Wan Y-J. Symptom profile of Mexican American alcoholics by SSAGA-II. RSA/ISBRA joint meeting, San Francisco, CA 2002.
 83. Perlis RH, Wan Y-J, Smoller JW, Mischoulon D, Lin KM, Rosenbaum JF. Serotonin transporter polymorphisms and adverse effects with fluoxetine treatment. Annual meeting of American College of Neuropsychopharmacology meeting. Puerto Rico, December 2002.
 84. Cherrington NJ, Slitt AL, Wan Y-J, Moore DD, Klaassen CD. Induction of multidrug resistance protein 3 (Mrp3) in vivo is independent of constitutive androstane receptor. Society of Toxicology meeting, 2003.
 85. Ao Y, Zhang X-X, Lu S, French SW, Wan Y-J. Hepatocyte RXR α -deficient mice are protected from drug-induced morphological changes but have an increased histological score. Submitted to RSA annual meeting 2003.
 86. Konishi T, Leng A-S, Lin K-M, Wan Y-J. Polymorphisms of dopamine D2 receptor, serotonin

- transporter, and GABA receptor $\beta 3$ subunit genes and alcohol dependence in Mexican Americans. Submitted to RSA annual meeting 2003.
87. Konishi T, Calvillo, Leng A-S, Lin K-M, Wan Y-J. The genetic risk factors for alcoholism in Mexican Americans. Biomedical Investment & Strategic Partnering Opportunities Conference. LA, CA 2003.
 88. Wan Y-J, Yan A, Dai T, Konishi T, Wu Y, Zhang X-X. RXR α is the center of metabolic pathways. Biomedical Investment & Strategic Partnering Opportunities Conference. LA, CA 2003.
 89. Targeting RXR receptors for the treatment of diabetes and obesity. Published in The Lead Discovery. <http://www.leaddiscovery.co.uk/target-discovery/abstracts/PubMed-030306.html>, 2003.
 90. Slitt AL, Cherrington NJ, Chen CC, Maher J, Wan Y-J, Klaassen CD. Absence of RXR α increases hepatic drug metabolism and transporter gene expression during cholestasis. International Society for the Study of Xenobiotics 2003.
 91. Slitt AL, Cherrington NJ, Chen CC, Maher J, Wan Y-J, Klaassen CD. During cholestasis loss of RXR α is hepatoprotective and increases expression of genes for metabolism and transport in liver. Society of Toxicology, 2004.
 92. Wu Y, Zhang X, French SW, Lu S, Wan Y-J. Retinoid x receptor α regulates phase I and phase II detoxification process. The 10th International meeting for the Society of Chinese Bioscientists in America (SCBA) 2004.
 93. Dai G, Chou N, He L, Gyamfi M, Mendy AJ, Wan Y-J. Hepatocyte RXR α regulates the expression of the glutathione S-transferase genes and modulates acetaminophen-glutathione conjugation in mouse liver. Society of Toxicology, Central State Chapter meeting, 2004.
 94. Dai G, Chou N, He L, Gyamfi M, Mendy AJ, Wan Y-J. Gender difference of acetaminophen-induced hepatotoxicity in mice. Society of Toxicology, Central State Chapter meeting, 2004. (Received the Best Poster award).
 95. Kocsis MG, Dai G, Mendy AJ, Wan Y-J. Mice with hepatocyte-specific RXR α deficiency have altered alcohol metabolism. Society of Toxicology, Central State Chapter meeting, 2004.
 96. Dai G, Chou N, He L, Gyamfi M, Mendy AJ, Wan Y-J. Gender difference of acetaminophen-induced hepatotoxicity in mice. The Society of Toxicology, New Orleans, 2005. (Selected for oral presentation).
 97. Dai G, Chou N, He L, Gyamfi M, Mendy AJ, Wan Y-J. Hepatocyte RXR α regulates the expression of the glutathione S-transferase genes and modulates acetaminophen-glutathione conjugation in mouse liver. The Society of Toxicology, New Orleans, 2005.
 98. Kocsis MG, Dai G, Mendy AJ, Wan Y-J. Mice with hepatocyte-specific RXR α deficiency have altered alcohol metabolism. The Society of Toxicology, New Orleans, 2005. (Received travel award).
 99. Luo HR, Hou ZF, Wu J, Zhang YP, Wan Y-J. Evolution of the DRD2 gene haplotype and its association with alcoholism in Mexican Americans. Research Society on Alcoholism, Santa Barbara, 2005.
 100. Luo HR, Wan Y-J. Comparison of alcohol drinking behaviors and associated problems between Mexican benders and nonbenders. Research Society on Alcoholism, Santa Barbara, 2005.
 101. Gyamfi MA, Wan Y-J. Ethanol inhibits glutathione S-transferase Mu activity in primary mouse hepatocytes. Research Society on Alcoholism, Santa Barbara, 2005.
 102. Gyamfi MA, Dai G, Wan Y-J. RXR α deficiency potentiates the reduction of hepatocyte GSH levels induced by ethanol and acetaldehyde. Research Society on Alcoholism, Santa Barbara, 2005.
 103. Luo HR, Gaedigk A, Aloumanis V, Wan Y-J. CYP2D6 genotyping in Mexican Americans. Society of Toxicology, Central State Chapter meeting, Iowa, 2005.
 104. Luo HR, Poland RE, Lin K-M, Wan Y-J. CYP2C19 polymorphism in Mexican Americans: A cross-ethnic comparative study. Society of Toxicology, Central State Chapter meeting, Iowa, 2005.
 105. Gyamfi MA, Wan Y-J. The effect of ethanol, ethanol metabolizing enzyme inhibitors, and vitamin E on regulating glutathione, glutathione S-transferase, and S-adenosylmethionine in mouse primary hepatocyte. Society of Toxicology, Central State Chapter meeting, Iowa, 2005.
 106. Mendy AJ, Dai G, He L, Wan Y-J. Retinoids activate the SXR/RXR-mediated pathway and induce the expression of CYP3A4. Society of Toxicology, Central State Chapter meeting, Iowa, 2005.
 107. Luo HR, Hou Z-F, Wu J, Zhang Y-P, Wan Y-J. The DRD2 Gene haplotype is associated with

- alcoholism in Mexican Americans. Society of Toxicology, Central State Chapter meeting, Iowa, 2005.
108. Gyamfi MA, Dai G, He L, Mendy A, Wan Y-J. RXR α in regulating alcohol detoxification. Keystone Symposium, Nuclear Receptor, Banff, CA. 2006.
 109. Bu P, Wan Y-J. Fenretinide induces apoptosis in human hepatoma cell line Huh-7. Central States Society of Toxicology annual meeting, KS, 2006.
 110. Yang M, Luo H, Petelin B, Wan Y-J. CYP2E1 and alcoholism in Mexican Americans. Central States Society of Toxicology annual meeting, KS, 2006.
 111. Wang K, Chen S, Wan Y-J. Retinoids can activate RXR/RXR, but preferentially activate RXR/VDR-mediated pathway and induce CYP3A4 in HepG2 cells. Central States Society of Toxicology annual meeting, KS, 2006.
 112. Luo H, Reimer GN, Wan Y-J. Mu-opioid receptor gene polymorphism A118G protecting from alcoholism in a Mexican American population. Central States Society of Toxicology annual meeting, KS, 2006.
 113. Gyamfi MA, He L, Wan Y-J. Role of retinoid x receptor α (RXR α) in alcoholic and nonalcoholic steatohepatitis. Central States Society of Toxicology annual meeting, KS, 2006.
 114. Bu P, Wan Y-J. Fenretinide-induced apoptosis of Huh-7 human hepatoma cell is associated with induction of the RAR β gene. Society of Toxicology annual meeting, Charlotte, NC, 2007.
 115. Wang K, Shiyong C, Wan Y-J. Retinoids activate the RXR/RXR and RXR/VDR-mediated pathway and CYP3A4 in HepG2 cells. Society of Toxicology annual meeting, Charlotte, NC, 2007.
 116. Bu P, Wan Y-J. Expression of the retinoic acid receptor β gene is essential for fenretinide-induced apoptosis in human hepatocellular carcinoma cells. American Association for Cancer Research, LA, 2007.
 117. Gyamfi MA, He L, Wan Y-J. Enhancement of pro-inflammatory cytokines and chemokines in alcohol-fed hepatocyte RXR α -deficient mice. Research Society of Alcoholism, Chicago, 2007.
 118. Gyamfi MA, He L, Damjanov I, French S, Wan Y-J. The pathogenesis of ethanol versus methionine/choline deficient diet-induced liver injury. Research Society of Alcoholism, Chicago, 2007.
 119. Gyamfi MA, He L, Wan Y-J. Methionine and choline-deficient diet-induced cholestasis and steatohepatitis in hepatocyte RXR α -deficient mice. Research Society of Alcoholism, Chicago, 2007.
 120. Yang M, Wan Y-J. A haplotype analysis of CYP2E1 polymorphisms in relation to alcoholic phenotypes in Mexican Americans. Central States Society of Toxicology annual meeting, Iowa City, IA, 2007.
 121. Yang X, Alnouti Y, Wan Y-J. Application of an improved HPLC-MS/MS method to study the gender difference in hepatic retinoid contents. Central States Society of Toxicology annual meeting, Iowa City, IA, 2007.
 122. Wang K, Wan Y-J. The role of RXR α in regulation of LPS-induced gene expression. Central States Society of Toxicology annual meeting, Iowa City, IA, 2007.
 123. Bu P, Wan Y-J. Fenretinide-induced Apoptosis of Huh-7 Hepatocellular Carcinoma Is Retinoic Acid Receptor β Dependent. Central States Society of Toxicology annual meeting, Iowa City, IA, 2007.
 124. Guo M, Gong L, Lehman-McKeema L, Wan Y-J. Gender-dependent hepatic gene expression during aging. Central States Society of Toxicology annual meeting, Iowa City, IA, 2007.
 125. Dai D, He L, Bu P, Wan Y-J. Pregnane X receptor is essential for normal progression of liver regeneration. Central States Society of Toxicology annual meeting, Iowa City, IA, 2007.
 126. Wan Y-J, Gyamfi MA, Wang K. Hepatocyte retinoid x receptor α in regulating liver inflammatory response. Great Lakes Nuclear Receptor Meeting, University of Pittsburg, October 2007.
 127. Guo M, Gong L, Lehman-McKeema L, Wan Y-J. Gender- and age-dependent hepatic gene expression due to RXR α deficiency. National Society of Toxicology annual meeting, Seattle, WA, 2008.
 128. Guo M, Gong L, Lehman-McKeema L, Wan Y-J. Hepatic gene expression during aging in male and female mice. National Society of Toxicology annual meeting, Seattle, WA, 2008.
 129. Kusters A, Wan Y-J, Karpen S. Complex roles for hepatic RXR α in response to lipopolysaccharide-

- induced inflammation. Nuclear Receptor Meeting, Keystone Symposium, Whistler, British Columbia, Canada, March 2008.
130. Kusters A, Wan Y-J, Karpen S. Differential effects of hepatocyte-specific deletion of the DNA-binding domain of RXR α on hepatic gene regulation in LPS-induced inflammation. American Association for the Study of Liver Disease. San Francisco, October 2008.
 131. Wang K, Damjanov I, Wan Y-J. Activation of pregnane x receptor prevents lipopolysaccharide/D-galactosamine-induced acute liver failure in mice. Experimental Biology Meeting, New Orleans, April 2009.
 132. Yang X, Zhang Y, Klaassen CD, Wan Y-J. Gender disparity of hepatic lipid homeostasis regulated by the circadian clock. Experimental Biology Meeting, New Orleans, April 2009.
 133. Yang X, Guo M, Wan Y-J. Hepatocyte retinoid X receptor α (RXR α) deficiency impairs liver regeneration through multiple pathways. (Dr. Yang received a travel award.) Experimental Biology Meeting, New Orleans, April 2009.
 134. Gyamfi M, Wan Y-J. Mechanism of resistance of hepatocyte retinoid receptor α -null mice to Wy14,643-induced hepatocyte proliferation and cholestasis. (selected for oral presentation) European Association for the Study of the Liver Disease, Copenhagen, April 2009.
 135. Yang X, Wan Y-J. Hepatocyte RXR α - A key element of liver regeneration. European Association for the Study of the Liver Disease, Copenhagen, April 2009.
 136. Wan Y-J. Retinoids, nuclear receptor, and hepatocyte proliferation, annual meeting of Society of Chinese Bioscientists in America, Taipei, Taiwan, June 15- 19, 2009.
 137. Wan Y-J, Bushue N, Yang H. The differential effect of all-trans retinoic acid and fenretinide in regulating differentiation and apoptosis, respectively of liver cancer cell. Translational Cancer Medicine, AACR, Amsterdam, March 2010.
 138. Apte U, Edward G, Guo G, Wan Y-J, Wolfe A. Yes-associated protein expression is induced in hepatocellular carcinoma and is responsive to cell density. Experimental Biology, Anaheim, CA, April 2010
 139. Bushue N, Wan Y-J. The mechanisms by which fenretinide and all-trans-RA induce apoptosis and differentiation, respectively, in HCC cells. Experimental Biology, Anaheim, CA, April 2010.
 140. Yang H, Wan Y-J. HDAC inhibitors potentiate fenretinide-induced apoptosis through mitochondrial enrichment of Nur77 in HCC cells. Liver Center Annual Symposium, KUMC, May 27, 2010.
 141. Wu C, Gilroy R, Wan Y-J. Genetic Signature of HCV infection and HCV infection plus alcohol drinking in human livers. Presented at the 13th SCBA International Symposium, July 25-29, 2011.
 142. Yang H, Wan Y-J. Mitochondrial enrichment of Nur77 mediated by RAR β leads to apoptosis of human hepatocellular carcinoma cells induced by fenretinide and histone deacetylase inhibitors. AASLD, Boston, October 29-November 2, 2010. Received AASLD Presidential Poster of Distinction.
 143. Dunn W, Wan Y-J. The interaction between obesity and alcohol: a population-based autopsy study. DDW May 2011, Chicago.
 144. Wu C, Gilroy R, Abdulkarim B, Forster J, Taylor R, Wan Y-J. Alteration of hepatic nuclear receptor-mediated signaling pathways in HCV patients with and without a history of alcohol drinking. AASLD, San Francisco, November 4-8, 2011.
 145. Wu C, Gilroy R, Damjanov I, O'Neil M, Taylor R, Wan Y-J. Hepatic nuclear receptor-mediated pathways in steatosis and fibrosis in HCV-infected patients. AASLD, San Francisco, November 4-8, 2011.
 146. Johnson D, Wu C, Wan Y-J. HCV core protein expression alters nuclear receptor-mediated signaling: gene expression profiling of nuclear receptor-mediated pathways in HCV core transgenic mice and chronic hepatitis C patients. AASLD, San Francisco, November 4-8, 2011.
 147. Zhan Q, Liu H-X, Gonzalez F, Wan Y-J. Hepatic steatosis in peroxisome proliferator-activated receptor (PPAR) α humanized mice impaired liver regeneration. AASLD, San Francisco, November 4-8, 2011.
 148. Liu H-X, Zhan Q, Gonzalez F, Wan Y-J. Peroxisome proliferator-activated receptor (PPAR) β is essential for normal progression of liver regeneration by modulating lipid homeostasis and Phosphoinositide-dependent Protein Kinase 1 (PDK1)/Akt-mediated signaling. AASLD, San

Francisco, November 4-8, 2011.

149. Zhan Q, Liu H-X, Wan Y-J. Lack of nuclear receptor Nur77 results in transient injury in partial hepatectomy-induced regenerating livers. AASLD, San Francisco, November 4-8, 2011.
150. Dunn, W, Zeng Z, O'Neil M, Zhao J, Wan Y-J, Mitchell E, Handler M, Weinman S. The interaction between rs738409, obesity and alcohol: a population-based autopsy study. AASLD, San Francisco, November 4-8, 2011.
151. Wu C, He Y, Gilroy R, Wan Y-J. The differential expression of two groups of interferon-stimulated genes in chronic hepatitis C patients. EASL, Barcelona, April 18-22, 2012.
152. Stoppler H, Auger J, Boyle D, Davidson P, Dubinett S, Johnston C, Ljung BM, McFall C, Mercola D, Tempero M, Vanderberd S, Wan Y-J, Boyd E, Dohan D, Dry S. Developing recommended best practices for biobanking operations and governance for the University of California system. Presented at the 2013 ISBER Annual Meeting, May 5-9, 2013.
153. Raglow Z, Wu C, Wan Y-J, Dunn W, Gilroy R. Recipient EL28B Genotype is associated with differential expression of interferon-stimulated genes after liver transplantation. Presented at the 19th Annual International Liver Transplantation Society, June 12-15, 2013.
154. He Y, Gong L, Fang Y, Zhan Q, Liu H, Lu Y, Guo G, Lehman-Mckeeman L, Fang J, Wan Y-J. Genomic Binding and Transcriptome Profiling Defines the Role of Retinoic Acid in Hepatic Lipid Homeostasis. Endocrinology Annual Meeting, June 15-18, 2013, Received Young Investigator Travel Award.
155. Lu Y, Zhan Q, He Y, Wan Y-J. Genome-wide profiling of RAR α and RAR β binding site reveals the role of retinoic acid in mouse liver. Endocrinology Annual Meeting, June 15-18, 2013
156. Liu H-X, Hu Y, Wan Y-J. PPAR β Regulates Liver Regeneration by Modulating Akt and E2f Signaling. The 10th Annual Research Retreat, Department of Pathology, UC Davis Medical Center, September 5, 2013.
157. Lu Y, Zhan Q, He Y, Wan Y-J. Genome-wide profiling of RAR α and RAR β binding sites reveals the role of retinoic acid in the mouse liver. The 10th Annual Research Retreat, Department of Pathology, UC Davis Medical Center, September 5, 2013.
158. Hu Y, Liu H-X, He Y, Wan Y-J. Transcriptome profiling and genome-wide DNA binding define the differential role of fenretinide and all-trans RA in regulating the death and survival of human hepatocellular carcinoma cells. The 10th Annual Research Retreat, Department of Pathology, UC Davis Medical Center, September 5, 2013.
159. Hu Y, Chau T, Liu H-X, Wan Y-J. NUR77 mediates bile acid-induced death and survival in liver and colon cells. Presented at the International Liver Congress, London, April 9-13, 2014.
160. Hu Y, Zhan Q, Liu H-X, Chau T, Li Y, Wan Y-J. Accelerated partial hepatectomy-induced liver cell proliferation is associated with liver injury in Nur77 knockout mice. The 11th Annual Research Retreat, Department of Pathology, UC Davis Medical Center, September 19, 2014.
161. Liu H-X, Ly I, Wan Y-J. Retinoic Acid Regulates Cell Cycle Genes and Accelerates Normal Mouse Liver Regeneration. The 11th Annual Research Retreat, Department of Pathology, UC Davis Medical Center, September 19, 2014.
162. Yang F, He Y, Liu H-X, Tsuei J, Jiang X, Yang L, Wan Z-T, Wan Y-J. All-trans retinoic acid regulates hepatic bile acid homeostasis. The 11th Annual Research Retreat, Department of Pathology, UC Davis Medical Center, September 19, 2014.
163. Hu Y, Chau T, Liu H-X, Liao D, Keane R, Nie Y, Yang H, Wan Y-J. Bile Acids Regulate the Expression and Intracellular Location of Nur77 Oncogene to Control the Proliferation and Apoptosis of Gastrointestinal Cells. The 20th Annual Cancer Research Symposium, UC Davis Comprehensive Cancer Center, UC Davis Medical Center, September 23, 2014.
164. Dry S, Davidson P, vanDraanen J, Boyle D, Tempero M, McFall C, Mercola D, Wan Y-J, Auger J, Dubinett S, Johnston C, Magyar C, Nakazono T, Stoppler H, Vandenberg S. Conducting a Needs Assessment for a University of California Biobanking System. UC BRAID Retreat, La Jolla, CA. November 7, 2014.
165. Yang F, Hu Y, Wan Y-J. miR-22-targeted Cycle A expression in GI cancer cells is regulated by bile acid receptor. Selected for oral presentation at the 50th International Liver Congress, Vienna, Austria, April 22-26, 2015.

166. Liu H-X, Hu Y, Wan Y-J. FGF21 facilitates normal liver regeneration and restores impaired liver regeneration in steatotic liver. The AASLD Liver Meeting 2015, San Francisco, CA, November 13-17. Received AASLD Presidential Poster of Distinction.
167. Liu H-X, Hu Y, Sheng L, Wan Y-J. Shifting gut microbiota and bile acid profiles in retinoic acid-primed mice that exhibit accelerated liver regeneration. The AASLD Liver Meeting 2015, San Francisco, CA, November 13-17.
168. Liu H-X, Hu Y, Rocha CS, Dandekar S, Wan Y-J. Dynamic shift of microbiota and its relationship with hepatic gene expression during liver regeneration. Liver Meeting 2015, San Francisco, CA, November 13-17. Selected for oral presentation and received the Young Investigator Travel Award,
169. Hu Y, Liu H-X, Wan Y-J. RA and butyrate induce liver and colon cancer cell apoptosis through miR-22 silencing of HDACS. The AASLD Liver Meeting 2015, San Francisco, CA, November 13-17.
170. Chau T, Hu Y, Wan Y-J. RA and butyrate synergistically induce colon cancer cell apoptosis via RAR β and Nur77 upregulation and nuclear export. UC Davis Annual Medical Student Research Forum, March 2016.
171. Jena PK, Sheng L, Liu HX, Kalanetra K, Krishnan V, Mills D, Wan Y-J. Gut microbiota-associated hepatic inflammation driven by FXR deficiency. 2017 Keystone Symposium, Microbiome in Health and Disease, Denver, CO, February 5-10, 2017.
172. Sheng L, Jena PK, Liu HX, Kalanetra K, Gonzalez F, French S, Krishnan V, Mills D, Wan Y-J. Gender disparity in metabolism and gut microbiota is FXR-dependent. 2017 Keystone Symposium, Microbiome in Health and Disease, Denver, CO, February 5-10, 2017.
173. Jena PK, Sheng L, Lucente JD, Jin L-W, Maezawa I, Wan Y-J. Dysregulated bile acid synthesis and dysbiosis are implicated in Western diet-induced systemic inflammation, microglial activation, and reduced neuroplasticity. UC Davis Alzheimer's Disease Center Annual Symposium. November 13, 2017.
174. Mordaunt CE, Shibata NM, Kieffer DA, Czlonkowska A, Litwin T, Weiss KH, Gotthardt DN, Olson K, Wei D, Cooper S, Wan Y-J, Ali M, LaSalle JM, Medici V. Epigenomic Signatures of Disease Status and Clinical Presentation in Wilson Disease Patients. AASLD, Nov 9-13, 2018.
175. Sheng L, Jena PK, Wan Y-J. Aged gut microbiota is implicated in hepatic inflammation and metabolic disease in a sex-dependent manner. Selected for oral presentation and received Basic Science Young Investigator Travel Award, AASLD, San Francisco, Nov 9-13, 2018.
176. Wan Y-J. Diet, Gut Microbiota, and Health. Society of Chinese Bioscientists in America, Kunming, China. July 24-28, 2019.
177. Hu Y, Jena PK, Liu H, Sheng L, Mohamed A. Wan Y-J. Metabolic disease treatment by *miR-22* inhibitor and obeticholic acid via FGF21 and FGFR1, AASLD, Boston, Nov 8-12, 2019.
178. Wan Y-J. Gut Microbiome-based drug discovery. Markets and Markets Gen-Next Probiotics and Microbiome Congress, San Diego, February 6-7. 2020.
179. Wan Y-J, Jena P. Concomitant improvement of synaptic decline and NASH using fermentable fiber inulin. Experimental Biology, San Diego, April 4-7, 2020 (meeting canceled due to COVID-19 epidemic, abstract published)
180. Zhenrui Shi, Wan Y-J, Samuel Hwang. Short-term exposure to a Western diet predisposes mice to psoriasis-like skin and joint inflammation. Society for Investigative Dermatology Annual Meeting. May 13-16, 2020, Scottsdale, AZ.
181. Shih T, Hu Y, Liu R, Lam K, Wan Y-J. Hepatocellular carcinoma treatment using a galectin 1 inhibitor. UDC Comprehensive Cancer Center Annual Symposium, Oct 9, 2020. CA
182. Shih T, Wan Y-J. Novel role of glypican 3 in cancer-induced immunosuppression. UDC Comprehensive Cancer Center Annual Symposium, Oct 9, 2020. CA
183. Hu Y, Liu R, Lam K, Wan Y-J. Microbial metabolite mimicry, a nano-drug for colon cancer treatment. Dr. Ying Hu received a second-place award for the 26th Annual Cancer Research Symposium and the 14th Annual Spotlight on Junior Investigators. UDC Comprehensive Cancer Center Annual Symposium, Oct 9, 2020. CA
184. Hu Y, Vaziri F, Setayesh T, Wan Y-J. miR-22 gene therapy treats HCC in mice. UCD

- Comprehensive Cancer Center Annual Symposium, Sept 29, 2021, CA
185. Setayesh T, Vaziri F, Hu Y, Yang G, Liu R, Lam KS, Wan Y-J. Targeting Galectin 1 Treats Hepatocellular Carcinoma in Mouse Models. UCD Comprehensive Cancer Center Annual Symposium, Sept 29, 2021. CA
 186. Bloomstein J, Wu X, Shi Z, Wu C-Y, Yamada D, Huynh M, Kim J, Wan Y-J, Hwang S. Bile acid supplementation ameliorates Western-diet induced psoriatic dermatitis in mice. Society for Investigating Dermatology Annual Meeting, May 18, 2022. Portland, OR.
 187. Hu Y, Setayesh T, Vaziri F, Wu X, Yamada D, Hwang S, Chen X, Wan Y-J. miR-22 treats HCC by inducing retinoic acid signaling and modulating T cell function. AASLD annual meeting, Washington, DC, Nov 4-8, 2022. Oral presentation.
 188. Setayesh T, Hu Y, Vaziri F, Chen X, Wan Y-J. Targeting galectin1 treats hepatocellular carcinoma. AASLD annual meeting, Washington, DC, Nov 4-8, 2022.
 189. Liu R, Durbin-Johnson B, Paciotti B, Liu AT, Weakley A, Liu X, Wan Y-J. Alcohol, Liver Health, BMI, and Race/Gender Influence Alzheimer's Disease Development. Cold Spring Harbor Asia, Alzheimer's Disease: Fundamentals and Treatments, Suzhou, China, Apr 8 - Apr 12, 2024
 190. Hu Y, Liu R, Wu C, Lam K, Wan Y-J. Bacterial Metabolite Mimicries to Treat Digestive Diseases. The 6th Annual UC Drug Discovery Consortium Symposium and Networking Event, the UCLA California NanoSystems Institute, September 16, 2024.
 191. Hu Y, Setayesh T, Vaziri F, Wan Y-J. Short-term Dietary Intervention Impacts Anti-PD-1 Treatment Outcomes in HCC, the University of California, Davis Comprehensive Cancer Center Annual Symposium, October 2024.
 192. Hu Y, Setayesh T, Ji Y, Wan Y-J. miR-22 Regulates Tumor Immunity During HCC Development. AASLD annual meeting, The 75th Liver Meeting, San Diego, Nov 15-19, 2024.
 193. Hu Y, Setayesh T, Testerman T, Wan Y-J. The Significance of Galectin 1 in Contributing to the Anti-HCC Effects of miR-22. AASLD annual meeting, The 75th Liver Meeting, San Diego, Nov 15-19, 2024.
 194. Hu Y, Setayesh T, Wan Y-J. Western diet through Galectin-1-dependent manners affecting MASH-HCC development. AASLD annual meeting, The 75th Liver Meeting, San Diego, Nov 15-19, 2024.
 195. Wan Y-J. Applying Machine Learning in Electronic Health Records to Identify the Risks for Alzheimer's Disease, CDPH, and Alzheimer's Disease Program Research Symposium. February 7, 2025, CA.
 196. Wang Z, Fu J, Yu H, Agrahari A, Wan Y-J, Chen X. Galectins as diagnostic and therapeutic targets for hepatocellular carcinoma, CBP Biochemistry in Bay Area Day, UCSF, San Francisco, April 13, 2026, 2026-04-13;
 197. Wan Y-J, Hu Y, Setayesh, T. The Significance of miR-22-Galectin-1 Axis in HCC Development and Treatment. The Annual Meeting of the American Society for Investigative Pathology, Fort Myers, Florida, May 16-19, 2026.
 198. Li L, Wang Z, Richa F, Wang XJ, Wan Y-J. Galectin-1-driven RNA processing in head and neck squamous cell carcinoma. Edmonson Summer Program, UC Davis, August 14, 2026.