

Curriculum Vitae
Yu-Jui Yvonne Wan, PhD
Distinguished Professor
Vice Chair of Research
Department of Medical 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 - Present 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.
2012 - 2015 Visiting Professor, Institute of Chinese Meteria Medica, Shanghai University of Traditional Chinese Medicine, Shanghai, China
2009 - 2018 Visiting Professor, Guangzhou Medical College, Guangzhou, China
2007 - 2012 Director, Liver Center, University of Kansas Medical Center (KUMC), KS
2007 - 2012 Leader, Cancer Biology Program, the University of Kansas Cancer Center, KS
2007 - 2010 Joy McCann Professor, KUMC
2006 - 2009 Adjunct Professor, Department of Pathology, KUMC
2003 - 2012 Professor, Department of Pharmacology, Toxicology & Therapeutics, KUMC
2002 - Present Visiting Professor, Taipei Medical University, Taipei, Taiwan
2001 - 2003 Professor, Department of Pathology, School of Medicine, UCLA, CA
1995 - 2001 Associate Professor, Department of Pathology, School of Medicine, UCLA, CA
1996 - 1998 Pathology Course Director, Biomedical Science Program, UC Riverside, CA
1989 - 1995 Assistant Professor, Department of Pathology, School of Medicine, UCLA, 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 Chair, Leadership Academy, San Diego, CA

Honors, News Releases, and Awards:

2022 Advance to Distinguished Professor, 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 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 National Taipei University of Education Experimental Elementary School. Taipei, Oct 26, 2019
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) was selected as a feature article in *Nutrition Frontiers*, a publication of the Nutritional Science Research Group (NSRG), NCI. The NSRG Program selects 3 publications per newsletter based on scientific merit, innovation, and potential public health impact. Winter 2019, <https://prevention.cancer.gov/news-and-events/news/nutrition-frontiers-winter-2#bs>
2018 "The Best of 2018" at 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) 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) <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 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.
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 *Journal of Biological Chemistry*. PMID: PMC4358284. <http://www.ucdmc.ucdavis.edu/publish/news/newsroom/9862>
- 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*, 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. 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/internalmdl原因/news-article.cfm/2887596>
- 2009 The Interaction of reward genes with environmental factors in contribution to alcoholism in Mexican Americans. *Alcoholism Clinical and Experimental Research*, PMID: 19764934.
- 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 listed 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 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 40th 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 3 in the class, Taipei Medical University, Taiwan.

Professional Activities:

Committee and Society Service:

2022 - Present Member, Strategic Plan Discovery Science Workgroup, SOM, University of California, Davis

2022 Deans' Award Review Committee, SOM, University of California, Davis

2022 - Present Initiative Leader, Department of Pathology & Laboratory of Medicine, Strategic Planning, Experiment Pathology & Discovery Sciences.

2020 - Present Councilor, Society of Chinese Bio-scientists (SCBA) in America from 2020-2023

2019 - Present Co-leader of Cancer and Microbiome (CaM) Initiative, UC Davis Comprehensive Cancer Center.

2019 - Present Chair, Search Committee, Robert Stowell Endow Professor in Cancer Immunology

2019 - 2020 Chair, Search Committee, Faculty in Experimental Pathology, JPF02728

2017 - 2018 Member, Search Committee for the Director of Center for Comparative Medicine and Stowell Chair Recruitment at UC Davis

2017 - 2018 Chair, Search Committee for an academic neuroscientist, UCD Health, UC Davis.

2017 - Present 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 - Present Member, Committee for Research Affairs, School of Medicine, UC Davis

2015 - 2016 Chair, Interdepartmental Seed Grant Committee, School of Medicine, UC Davis

2015 - 2016 Member, Organization Committee, the 21st International Symposium on Microsomes and Drug Oxidations that will take place on Oct 2-6, 2016.

2015 Organizer, Liver Cancer Symposium, UCDHS, Nov 12, 2015

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

2014 - 2015 Biospecimen Repository Working Group, UCDMC

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 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 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 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 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

2010 Review abstracts for the 21st 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 - 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 - 2005 Counselor, the Central States Chapter of Society of Toxicology

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 more than 15 faculty members in eight years.

2003 Committee, 2003 Richard Weitzman Memorial Research Award

2003 By request of CAP and Vice Chancellor Vredevoe, served on an ad hoc review committee for a faculty appointment.

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 CEO/President, Harbor-UCLA Research Education Institute.

1999 Research Faculty Recruitment Committee, Harbor-UCLA Research Education Institute (determine 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 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

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 Department of Medicine, Pediatrics, and Psychiatry

1996 Committee, 1996 Richard Weitzman Memorial Research Award

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.

Community Service:

2004 Chinese Emmanuel Baptist Church, KS, U.S.A.

2003 Substitute teacher, Chinese School, Adult Class, KS, U.S.A.

2000 - 2001 4 Christ Mission, San Diego, CA, U.S.A.

1991 - 2001 Volunteer, Torrance Chinese School, CA, U.S.A.

1997 - 2001 Volunteer, Bishop Montgomery High School, CA, U.S.A.

1996 - 2003 Volunteer and member, Bread of Life Church, Torrance, CA, U.S.A.

1996 - 1997 Secretary, Board of Directors, Torrance Chinese School, CA, U.S.A.

1996 Volunteer, March of Dimes

1989 - 1997 Volunteer, First Lutheran School, Torrance, CA, U.S.A.

Professional Associations and Scholarly Societies:

European association for the study of the liver (EASL)

American Society of Integrated Pathology (ASIP)

Society of Chinese Bioscientists in America (SCBA)- Lifetime member

American Association for Cancer Research

The Endocrine Society

American Society for Pharmacology and Experimental Therapeutics

Society of Toxicology

Research Society of Alcoholism

NIH Study Section Service:

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 Center for Scientific Review (CSR) to review 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 a 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:

2022 Head and Neck Cancer SPORE, University of Colorado Cancer Center
 2020 Erwin Schroedinger 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 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
 1998 - 2000 Grant review for Human Frontier Science Program, RFA from NICHD/NIH, Research Committee Grants of Harbor-UCLA REI and Harbor Collegiums' Research Grants.

Site Inspection on behalf of 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 Jan Capistrano, CA, U.S.A.
1994 Cedars-Sinai Medical Center, Molecular Pathology Labs, Department of Pathology, Los Angeles, CA, U.S.A.

Current editorial board service:

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>

2017 – Present, Executive Associate Editor, *Liver Research*

<http://www.keaipublishing.com/en/journals/liver-research/editorial-board/>

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 *Journal of Liver*

<http://omicsgroup.org/journals/editorialboard-liver-open-access.php>

2012 – Present, Associate Editor, *Biomarker Research*

<http://www.biomarkerres.org/about/edboard>

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>

Editor, Journal special issue:

2022 *Frontiers in Cell and Developmental Biology* – Topic: Macrophage in Hepatology

2020 *Liver Research* – Topic: Hepatocellular Carcinoma Diagnosis and Treatment, An Overview

Previous editorial board service:

2015 - 2018 Editor-in-Chief, 2014 -2015 Associate Editor, *The Open Pharmaceutical Sciences Journal*

2013 - 2014: Editorial Board Member of *Novel Biomarkers*

2013 - 2014: Editorial Board Member of *Nuclear Receptor Research*

2011 - 2014: Review Editor of *Frontiers in Pharmacogenetics and Pharmacogenomics*

2009 - 2020: Editorial Board Member of *World Journal of Gastrointestinal Pharmacology and Therapeutics*

2009 - 2015: Editorial Board Member of *Hepatic Medicine: Evidence and Research*

2009 - 2015: Editorial Board Member of *Clinical Pharmacology: Advances and Applications*

2009 - 2015: Editorial Board Member of *Nutritional and Dietary Supplements*

2009 - 2011: Editorial Board Member of *Current Drug Metabolism*

2007 - 2019: Editorial Board Member of *Experimental Biology and Medicine*

2006 - 2015: Editorial Board Member of *Toxicological Sciences*

2006 - 2008: Editorial Board Member of *PPAR Research*.

Reviewed manuscripts for the following journals (number of manuscript):

ACS Omega - 1
Acta Pharmacologica Sinica B - 5
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 for General Psychiatry
Arteriosclerosis, Thrombosis, and Vascular Biology - 1
Austin Journal of Gastroenterology -5
Biochemical Pharmacology - 12
Biochimie - 2
Biomarker Research - 10
BMC Clinical Pharmacology - 2
British Journal of Pharmacology - 3
Cancer Letters - 3
Cancer Biology and Therapy - 1
Carcinogenesis - 2
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
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 Medicine - 1
Frontier Microbiology - 1
Frontiers in Pharmacogenetics and Pharmacogenomics - 12
Frontier Physiology - 2
Gene - 1
Gut Microbes -1
Hepatic Medicine: Evidence and Research - 3
Hepatobiliary Pancreatic Disease International - 1
Hepatobiliary Surgery and Nutrition -3
Hepatology – 2
Hepatology Communications -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 Liver - 5
Journal of Lipid Research - 2
Journal of Molecular Endocrinology - 3
Journal of Neurochemistry - 1
Journal of Nutrition & Food Sciences -10
Laboratory Investigation - 8
Liver International - 2
Liver Research - 31
Microbiology Open - 2
Mini-Reviews in Medicinal Chemistry - 2
Molecular Basis of Disease - 2
Molecular Cell Research - 1
Molecular Carcinogenesis - 8
Molecular Endocrinology - 5
Molecular Pharmacology - 5
Molecular Pharmaceutics - 4
Molecular and Cell Biology of Lipids - 3
Molecular and Cellular Endocrinology - 2
Nature Communications - 2
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
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

Served as an external referee for faculty promotion in the following institutions:

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 of the following grants:

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, NIGM, 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 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 Aspect 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.

Mentoring and Teaching Activity:

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 *Camellia sinensis* growing in California fields

2019 - Current 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 (BIT) – 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 - Current School of Medicine, UCD, student small group teaching

2017 - Current School of Medicine, UCD, MDS406, Case study

2017 - Current PMD299 Graduate Students Laboratory Rotation, UCD

2016 - 2017 MS Degree Thesis Advisor for Nidhi Nagar, California State University, East Bay in Hayward. Her work entitled “Role of bacteria and bacterial metabolites in development of nonalcoholic steatohepatitis” won the 1st place in 31st California state student research competition. Competed against 23 California state universities and won the best graduate researcher award in Biological and Agricultural sciences on May 1, 2017 at San Luis Obispo, CA.

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 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 - Current 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 & Development 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 Teach the following graduate courses:
PHCL/PTOX 898 Principles of Pharm/Tox
PTOX 917 Drug Disposition
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, Genetic 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 Glucuronosyltransferase 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 Mentors of 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, Dominguez Hills.
Thesis title: RXR α -Mediated Pathways in GSH Synthesis.

1997 - 1999 M.S. Thesis Advisor, Catherine Cowan, CA State, Dominguez Hills.
Thesis title: Palmitoyl CoA ((C16:0)-CoA) Rescues Human Hepatoma Cells (Hep3B) from Retinoid-induced Apoptosis.

1996 - 1997 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

Junior Faculty Mentored:

Farzam Vaziri, Ph.D. Project Scientist (2020 - Present), Department of Medical Pathology and Laboratory Medicine, UC Davis

Ying Hu, Ph.D., Professional Researcher (2020 - Present), Department of Medical Pathology and Laboratory Medicine, UC Davis, 2016 - 2020 (Project Scientist), Ying Hu received NIH NCI-funded R50 grant in 2019 to work on my NCI-funded grant full time for 5 years.

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 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

Wen-Xing Ding, Ph.D. Assistant Professor, Department of Pharmacology, KUMC, 2009 - 2012. Dr. Ding received his first R01 grant from NIAAA in 2011.

Hui Yang, M.D., Ph.D. Associate Professor, Department of Gastroenterology & Hepatology, First Municipal's People Hospital of Guangzhou, Guangzhou Medical College, China. 2010 - Present. Dr. Yang received prestigious grant from the National Natural Science Foundation of China (No.81001109) in 2010.

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 University of Rhode Island, Dr. Slitt received Outstanding New Environmental Scientists (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 NIDDK in 2008. Dr. Guo is currently an associate professor in University of Kansas Medical Center.

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

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

Xiaobo Zhong, Ph.D., Assistant Professor of Pharmacology, KUMC, 2006-2009, received his first RO1 grant in 2009. Dr. Zhong is currently an associate professor in University of Kansas Medical Center.

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 University of Purdue in 2009.

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

Post-doctoral Fellows Mentored (performed research projects in my lab):

Shahrbanoo Keshavarz Azizirafar, Ph.D., Post-doctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2022- present.

Muhammad Umair Ijaz, Ph.D., Post-doctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2022- present.

Karla Damián, Ph.D., Post-doctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2020- 2021

Xiaofei He, Ph.D., Post-doctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2020- 2021

Tahereh Setayesh, Ph.D., Post-doctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2020- present, Awarded T32 fellowship in 2019 – 2022.

Guiyan Yang, Ph.D., Post-doctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2019- 2022

Prasant Kumar Jena, Ph.D., Post-doctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2014 - 2019. Dr. Jena received a project scientist position in Cedar Sinai Medical Center, LA in 2019.

Lili Sheng, Ph.D., Post-doctoral fellow, Department of Medical Pathology and Laboratory Medicine, UC Davis, 2014 – 2019. Dr. Sheng received a faculty position in China in 2019.

Ying Hu, Ph.D., Post-doctoral 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., Post-doctoral fellow, Department of Pharmacology, KUMC, 2011-2012; Department of Medical Pathology and Laboratory Medicine, UC Davis, 2012- 2014. Dr. He became a faculty in China in 2014.

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

Sidhartha Hazari, Ph.D., Post-doctoral 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., Post-doctoral fellow, Department of Pharmacology, KUMC, 2010-2012; Department of Medical Pathology and Laboratory Medicine, UC Davis, 2012- 2016

Rebecca Marquez, Ph.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2009-2011

Hui Yang, Ph.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2009-2010

Chiu Li Yeh, Ph.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2008

Babalola Faseru, M.D., Post-doctoral 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., Post-doctoral fellow, Department of Pharmacology, KUMC, 2006-2008

Min Yang, M.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2006-2008
 Shiyong Chen, Ph.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2006-2007
 Kun Wang, Ph.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2005-2009
 Maxwell Gyamfi., Ph.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2004-2009
 Michael Kocisis, Ph.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2003-2004
 Huai-Rong Luo, Ph.D., Post-doctoral fellow, Department of Pharmacology, KUMC, 2003-2006
 Xiao-xue Zhang, M.D., Post-doctoral fellow, Department of Pathology, UCLA, 2002-2003
 Yan Ao, M.D., Post-doctoral 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., post-doctoral fellow, Department of Pathology, UCLA, 2001-2003
 Yong Wu, Ph.D., Post-doctoral fellow, Department of Pathology, UCLA, 2001-2003, supported by the
 American Liver Foundation
 Ai-She Leng, M.D., Post-doctoral fellow, Department of Pathology, UCLA, 2001-2003
 Ansha Qian, Ph.D., Post-doctoral fellow, Department of Pathology, UCLA, 1999-2001
 Guang Han, M.D., Post-doctoral fellow, Department of Pathology, UCLA, 1998-2002
 Yan Cai, M.D., Post-doctoral fellow, Department of Pathology, UCLA, 1997-2001
 Thomas Magee, Ph.D., Post-doctoral fellow, Department of Pathology, UCLA, 1997-1998
 Emily Lai, M.D., Post-doctoral fellow, Department of Pathology, UCLA, 1995-1996
 Chen Li, M.D., Ph.D., Post-doctoral fellow, Department of Pathology, UCLA, 1994-1995
 Lai Wang, M.D., Post-doctoral fellow, Department of Pathology, 1990-1995
 Deborah Klein, Ph.D., Post-doctoral 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:

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 Disease, Naihai Hospital Affiliated to Southern Medical University. 2017
 Krish Krishnan, Ph.D., Professor of Chemistry at California State University Fresno took a 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 a 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 a sabbatical leave and worked in my lab. 2012-2013
 Chuanghong Wu, M.D., Director of Department of Hepatology and Infectious Diseases, Shekou Hospital, Shenzhen, China, Dr. Wu took a sabbatical leave to work on 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, Gougzhou Medical Hospital, China, 2007-2009
 Yasuki Nagao, M.D., Kyoto Perfecture University, Japan, 1997-1998
 Michio Morimoto, M.D., Kyoto Perfecture 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 Student Mentored:

Ranjana Ravikumar, Medical student, 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 student in California State University, East Bay, Hayward, CA, 2016-2018
Thinh Chau, UC Davis Medical Student, awarded the Stowell Medical Student Research Award by the Department of Pathology and Laboratory Medicine and attended course number 48319 for PMD 499 research studies in the summer of 2015 in my lab.
Lin Liu, PhD student from 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 his own laboratory in Guangzhou Medical College since he returned to China in 2009)
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

College Students Mentored:

Trenton Testerman, Genetics and Genomics, UC Davis, 2019- 2023
Shuying Li, Applied Statistics - Computational Track, Minor in Computer Science Bachelor, UC Davis, 2019- 2023
Rachel Wang, Global Disease Biology, UC Davis, enrolled Global Disease Biology Senior Research 189 and 189D, as well as PMD199 (Spec Adv Path Study), UC Davis, 2019-2022, Clinical Disease Epidemiology, MPH, Yale, 2024
Sujia Liu, Global Disease Biology, UC Davis, 2020, enrolled 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 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 class PMD199 (Spec Adv Path Study)
Lanyi Zhang, Biochemistry, UC Davis, 2019- present, enrolled 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 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 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 Albany Medical College in 2022, entered 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 Thoma-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 PhD program in 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, University of Perdue, 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 D 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 Technology, 2000 Summer
Christopher Liu, B.S., Pepperdine University, 1999-2000

Research Grants:

Current Funded Research Projects:

The PREVENT Program, NIH/NCI Approved in 2022
Project Title: Microbial Metabolite Mimicry, a Nano-drug for Colon Cancer Prevention
Role: Principal Investigator

California Department of Public Health, 20-10079 2022-2024
Project Title: Racial/Ethnic Disparities in Metabolic Dysfunction and Alzheimer's Disease: The Diet-Gut-Liver-Brain Axis
Role: Principal 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

California Department of Public Health (18-10925) 07/01/2019-06/30/2024
Project Title: Dietary-modulated Bile Acid Signaling in Regulating Cognitive Health and Dysfunction
My Role: Lead PI

NIH, NCI (1 R01 CA222490) 02/01/2018-01/31/2024
Project Title: Liver Cancer Therapy by *MiR-22* and Its Inducers
My Role: Principal Investigator

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

NIH, NCI (1 U01 CA179582) 2014-2021
Project Title: The Role of Probiotic Bididobacteria and Bile Acid Metabolism in Carcinogenesis
My Role: Lead Principal Investigator

NIH, NIAAA (2 R01 AA021510-06) 2018-2023
Project Title: Combination of therapy using siRNA nonacomplex 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 04/01/2020-03/31/2023
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 College of Pharmacy at Taipei Medical University
Dr. Wan-chen Huang, the Director of the Single Molecule Biology Core lab at Academic Sinica

Previously Funded Research Grants:

Harbor-UCLA Research and Education Institute Initial Research Lab Support My Role: PI	1989-1990
NIH, NICHD (P30 Center grant) The Population Research Center funded to Harbor-HCLA PI: Ronald Swerloff, M.D. My Role: Co-Investigator and the Associate Director of the Morphology Core	1989-1992
The California Institute for Cancer Research The Retinoic Acid Receptors, C-myc and Alpha-fetoprotein Gene Expression during the Development of Human Hepatocarcinoma. My Role: PI	1990-1991
Research Committee Grants, Harbor UCLA The Expression of Retinoic Acid Receptor mRNA during Rat Embryogenesis. My Role: PI	1990-1991
UCLA Harbor Collegium Research Award, Harbor UCLA My Role: PI	1990-1991
UCLA AIDS Clinic Research Center UCLA Medical Center Pathogenic mechanisms in HIV-associated nephropathy. PI: Arthur Cohen, M.D. My Role: Co-Investigator	1990-1991
Surgeons Education and Research Center Department of Surgery, School of Medicine, UCLA Oncogenesis of Gastrinoma. PI: Edward Passaro, M.D. My role: Co-Investigator and mentor for surgery residents	1990-1993
Harbor-UCLA Research and Education Institute Common Equipment Grant (Beckman ultracentrifuge rotor) My Role: PI	1991
Research Committee Grants, Harbor UCLA 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	1992-1993
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	1993-1994

My Role: PI	
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. My Role: Co-Investigator	1997-2003
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) 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	2006-2008
Paul J. Patton Trust Pharmacogenomic Study in Patients of Acute Lymphoblastic Leukemia Receiving Chemotherapy My Role: PI	2006-2007
NIH (5R21AA017960-02) Treating Alcoholic Liver fibrosis by Reversal of Type 1 Collagen PI: Kun Cheng, Ph.D.	2009-2011

My Role: Co-investigator

NIH, NIAAA (R01 grant, AA012081) Alcohol Pharmacogenetics in Mexican-Americans My Role: PI	2000-2011
NIH, NIAAA (R01 grant, AA012081, ARRA supplement) Alcohol Pharmacogenetics in Mexican-Americans My Role: PI	2010-2011
NIH (P20, RR021940) 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	2006-2012
NIH/NIEHS (2T32 ES007079-26A2) Training Program in Environmental Toxicology PI: Curtis Klaassen, Ph.D. My Role: Co-Investigator	2006-2012
NIH, NCATS (3 UL1TR000004-07S2) Engaging University of California Stakeholders for Biorepository Research PI: Las Berglund Role: Co-Investigator	2012-2015
UC Davis School of Medicine Interdepartmental Seed Grant: Colon Cancer Carcinogenesis Colon Cancer Carcinogenesis My Role: PI	2015-2016
NIH, NCI (R01 grant, CA053596-25) Retinoic Acid Receptor, α -Fetoprotein and Hepatoma Retinoic Acid Receptor, α -Fetoprotein and Hepatoma Retinoids, Xenobiotic Metabolism and Tumor Promotion Retinoids, Nuclear Receptors, and Hepatocyte Proliferation My Role: PI	1991-1996 1996-1999 1999-2004 2004-2009 2010-2016
NIH, NIDDK (1R01DK092100-04A1) Retinoic Acid and Its Receptors in the Liver My Role: PI	2011-2017
NIH, NIAAA (1R01AA021510-03) 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	2012-2017
Committee of Research, UC Davis Initiatives and Collaborative Interdisciplinary Research Grants Colon Cancer Carcinogenesis Controlled by Bacterial and Host Metabolites My Role: PI	2016-2017

UC Davis Alzheimer's Disease Center Pilot Program The Effect of Dietary Fiber in Western diet-induced Alzheimer's disease Models My Role: PI	2017-2018
UC Davis Science Translation and Innovation Research (STAIR) Grant Program Combined Retinoids and HDAC Inhibitors in Metabolic Disease Treatment My Role: PI	2017-2018
National Psoriasis Foundation An experimental mouse model to understand the pathological role of high fat, high sugar (Western) diet in psoriasiform dermatitis PI: Samuel Hwang, UC Davis My Role: Co-investigator	2018-2019
NIH, NIDDK (5U24DK076169-13) Coordinating and Bioinformatics Unit for the MMPC/DiaComp PI: Richard A Mcindole, Augusta University National Mouse Metabolic Phenotyping Centers (MMPC): Mouse Microbiome Research Program Title of the project: Mouse Microbiome and Liver Tumorigenesis (30835-60) My Role: PI	2019-2020
UCD Comprehensive Cancer Center pilot study Gut Microbial-Derived Nano-drugs for Colon Cancer Treatment My Role: Co-PI with Ruiwu Liu	08/2019-03/2021
UCD Comprehensive Cancer Center pilot study Gut Microbiota-regulated ROR γ t as a target for liver cancer prevention and treatment My Role: Co-PI with Hongwu Chen	08/2019-03/2021
UCD Comprehensive Cancer Center pilot study Novel role of glypican-3 in cancer-induced immunosuppression My Role: Co-PI with Tsung-Chieh Shih	08/2019-03/2021
UCD Comprehensive Cancer Center pilot study Liver cancer immunotherapy using a galectin-1 inhibitor My Role: Lead-PI, Co-PI with Tsung-Chieh Shih	08/2019-03/2021
NIH, NCI (1 U01 CA179582) The Role of Probiotic Bifidobacteria and Bile Acid Metabolism in Carcinogenesis My Role: Lead PI	2014-2021
NIH (SC3 GM125546) Effect of Western Diet in Gastrointestinal Cancer by NMR Metabolomics PI: Krish Krishnan, California State University Fresno My Role: Co-investigator	07/01/2018-06/30/2022
NIH (SC3 GM125546) Effect of Western Diet in Gastrointestinal Cancer by NMR Metabolomics PI: Krish Krishnan, California State University Fresno My Role: Co-investigator	07/01/2018-06/30/2022

Patent Application:

“Methods and Compositions for the Treatment of Cancer and Metabolic Diseases”

Inventor: Wan, Yu-Jui Yvonne C/O

The Regents of the University of California, 111 Franklin St, Twelfth Floor, Oakland, CA 94607, USA.

US Non-provisional Application No: 16/406,916

PCT Application No: PCT/US2017/061198; Filing date: May 8, 2019

“Methods and Compositions for the Treatment of Hepatic and Metabolic Diseases”

Inventor: Wan, Yu-Jui Yvonne C/O

The Regents of the University of California, 111 Franklin St, Twelfth Floor, Oakland, CA 94607, USA.

Application file reference number: 62670559, Filed on May 11, 2019, Case number: 2017-376-2.

Provisional Patent Application:

“Compositions Comprising HDAC Inhibitors and Retinoids”

Inventor: Wan, Yu-Jui Yvonne C/O

The Regents of the University of California, 111 Franklin St, Twelfth Floor, Oakland, CA 94607, USA

Application Serial No: 62/848,906; Filed on May 16, 2019

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 Round, 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, Pediatric, and Ob/Gyn, 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 modulator 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 Web site 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, Yunan, 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 Science. 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. "Retinoids-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 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 Pittsburg, 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", this was given in three institutions: Taipei Medical Hospital (06/10/09), Taipei Medical University (06/11/09), and Chang Gen Memorial Hospital (06/12/09) in Taiwan.
 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 Receptors-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, scheduled on July 25-29.
 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 Meteria 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 cell." "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 Synbiotic 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/fqOy4QPS0tckC0s1qz3Xeg>;
 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 Kun 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 Bioscientist 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" Cedar-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, Scheduled on March 9, 2021.
 174. "Time Management: Finding Balance between Personal and Professional Life" Workshop leader for the T32 Oncogenic Signals and Chromosome Biology Retreat, Scheduled on 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", Online 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, AASLD annual meeting, Washington DC, Nov 4-8, 2022.

Publications:

Complete List of Published Work in MyBibliography (213 citations listed in the NCBI)

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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.
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139. Bushue N, Wan Y-J. The mechanisms by which fenretinide and all-trans RA induces apoptosis and differentiation, respectively in human 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. Bushue N, Wan Y-J. The mechanisms by which fenretinide and all-trans RA induces apoptosis and differentiation, respectively in HCC cells. Liver Center Annual Symposium, KUMC, May 27, 2010.
142. 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.
143. 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.
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148. 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.
149. 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.
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154. 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.
155. 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.
156. 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
157. 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.
158. 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. The 10th Annual Research Retreat, Department of Pathology, UC Davis Medical Center, September 5, 2013.
159. 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.
160. Hu Y, Chau T, Liu H-X, Wan Y-J. NUR77 mediates bile acid-induced death and survival in liver and colon cells. Presented in the International Liver Congress, London, April 9-13, 2014.
161. 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.
162. 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.
163. 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 hile acid homeostasis. The 11th Annual Research Retreat, Department of Pathology, UC Davis Medical Center, September 19, 2014.
164. 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.
165. 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.
166. 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.
167. Liu H-X, Hu Y, Wan Y-J. FGF21 facilitates normal liver regeneration and restores impaired liver regeneration in steatoic liver. The AASLD Liver Meeting 2015, San Francisco, CA, November 13-17. Received AASLD Presidential Poster of Distinction.
168. 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.
169. 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 Young Investigator Travel Award.
170. 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.
 171. 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.
 172. 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.
 173. 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.
 174. 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.
 175. 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.
 176. 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.
 177. Wan Y-J. Diet, Gut Microbiota, and Health. Society of Chinese Bioscientists in America, Kunming, China. July 24-28, 2019.
 178. 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.
 179. Wan Y-J. Gut Microbiome-based drug discovery. Markets and Markets Gen-Next Probiotics and Microbiome Congress, San Diego, February 6-7. 2020.
 180. 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 cancelled due to Covid19 epidemic, abstract published)
 181. Zhenrui Shi, Wan Y-J, Samuel Hwang. Short-term exposure to Western diet predisposes mice to psoriasis-like skin and joint inflammation. Society for Investigative Dermatology Annual Meeting. May 13-16, 2020, Scottsdale, AZ.
 182. 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
 183. Shih T, Wan Y-J. Novel role of glypican 3 in cancer-induced immunosuppression. UDC Comprehensive Cancer Center Annual Symposium Oct 9, 2020. CA
 184. 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 14th Annual Spotlight on Junior Investigators. UDC Comprehensive Cancer Center Annual Symposium Oct 9, 2020. CA
 185. 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
 186. 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
 187. 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.
 188. Hu Y, Setayesh T, Vaziri F, Wu X, Yamada D, Hwang S, Chen X, Wan Y-J. miR-22 treats HCC by induction retinoic acid signaling and modulating T cell functions AASLD annual meeting,

Washington DC, Nov 4-8, 2022. Oral presentation.

189. 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.