

YanYan Wang
August 2025 - August 2026
Associate Professor
(903)877-5937
yw12850@uthct.edu

CONTACT INFORMATION

Texas

DEGREES

1990 Ph.D., Pharmacology & Neuroscience, Yale University, New Haven, Connecticut, United States

POST-GRADUATE TRAINING

Post-Doctorate, Howard Hughes Medical Institute and Salk Institute, Neurobiology, San Diego, California, United States, April 1990, June 1994

Post-Doctorate, Massachusetts Institute of Technology, Molecular Biology, Cambridge, Massachusetts, United States, June 1994, January 1996

ACADEMIC APPOINTMENTS

Associate Professor, Medical Information Science and Pharmacology, University of Illinois College of Medicine at Urbana-Champaign, Urbana-Champaign, Illinois, Tenure (if applicable): Not Tenured, 2011

Assistant Professor, Pharmacology, University of Pennsylvania Perelman School of Medicine, Philadelphia, Pennsylvania, Tenure (if applicable): Not Tenured, 1995

Associate Professor, Pharmaceutical Science and Health Outcome, University of Texas at Tyler Fisch College of Pharmacy, Tyler, Texas, Tenure (if applicable): Not Tenured, 10-15-2019

Associate Professor, Cellular and Molecular Biology, University of Texas at Tyler School of Medicine, Tyler, Texas, Tenure (if applicable): Not Tenured, 06-19-2024

PROFESSIONAL MEMBERSHIPS

National

July 2025 - Ongoing

Society for Neuroscience [Responsibility: Member]

SERVICE ON COMMITTEES

UTTSOM

March 2025 - Ongoing

Thesis committee for Sudishna Khanal [Responsibility: Member]

TEACHING ACTIVITIES

Title	Setting	Level of Learner	Number of Learners	Contact Hours	Type of Learning Activity	Teaching Methods	Start Month	End Month
BIOT 5132 Critical Reading II	Course	Doctoral/Master	7		Single Session	Lecture, Small Group (e.g.: Case-based discussion)	November 2025	November 2025

ADVISING/MENTORING/COACHING

Name of Individual	Level of Training	Purpose/Objective	Mentoring/Advising Activities	Start Month	End Month
Alexander Suarez	Graduate	Career advancement of individual	Formal, Research mentor/advisor/coach	February 2026	Ongoing
Jewelisa Duffer	Undergraduate	Career advancement of individual	Research mentor/advisor/coach	November 2025	Ongoing
Parsa Torabi	Graduate	Development of individual	Research mentor/advisor/coach	November 2025	December 2025
Alexander Suarez	Graduate	Development of individual	Research mentor/advisor/coach	October 2025	November 2025
Christine Ponce	Graduate	Development of individual	Research mentor/advisor/coach	October 2025	October 2025
Andy Omeje	Doctoral	Development of individual	Research mentor/advisor/coach	October 2025	December 2025
Cheyenne Aleman	Undergraduate	Development of individual	Research mentor/advisor/coach	August 2025	November 2025
Layton Woolford	Fellow or Post-Doc	Scholarly work	Research mentor/advisor/coach	July 2025	Ongoing
Lindsey M. White	Graduate	Career advancement of individual	Student career advising/coaching, Research mentor/advisor/coach	May 2025	December 2025
Rubina Shakya	Fellow or Post-Doc	Career advancement of individual	Formal, Research mentor/advisor/coach	February 2025	Ongoing

GRANTS

Completed

Federal

Controlling bacteremic pneumococcal pneumonia with synthetic dominant-negative competence peptides Funded by NIH (April 1, 2020 - March 31, 2023), awarded April 1, 2020 (**\$39,217.00**), Completed, January 2026, PI YanYan Wang [Type of Grant: Research]

Submitted for Review

Federal

Roles of dopamine D2R isoforms-mediated signaling in metabolic regulation and syndrome Funded by NIH (July 1, 2026) **\$2,481,327.00**, Submitted for Review, October 2025, PI YanYan Wang (30%) with CoInvestigator Lianghao Ding (4%) [Type of Grant: Research]

SCHOLARLY CONTRIBUTIONS AND CREATIVE PRODUCTIONS

Journal Article

Completed/Published

Peer-reviewed

1. Wang, Y., Tayyab, M., Sasaoka, T., Abe, M., Saito, N., Sakimura, K., & Ninan, A. (2025). Dopamine D2S/D2L receptor regulation of alcohol induced reward and signaling. *Addiction Biology*, 30(11), e70093.

Oral Presentations, Symposia, Seminars

Accepted

Non-peer Reviewed

1. Wang, Y. (2025). Roles of striatal neuronal and synaptic plasticity and dopamine D2R isoforms in drug-induced dyskinesia. *41st Annual Southern Biomedical Engineering Conference*.
2. Wang, Y. (2025). Differential roles of dopamine D2R isoforms in neuronal excitability, spine formation and dyskinesia-like behavior. *Research Faculty Seminar Series*.
3. Boggaram, V., & Wang, Y. (2024). Effects of organic dust inhalation on neuroinflammation. *Annual Southwest Centers Occupational Health Research Symposium. June 27, 2024*.
4. Wang, Y. (2023). Differential roles of dopamine D2R isoforms in neuronal and synaptic plasticity and dyskinesia-like behavior Brain Research Institute, Niigata University, Japan. *Brain Research Institute Special Seminar*.

PROFESSIONAL DEVELOPMENT

October 2025 - October 2025

Presentation to students, UT Tyler Center for Biomedical Research, UT Tyler Health Science Center, Description: Presented my research to the 1st year M.S. students

September 2025 - September 2025

Fall meeting of the faculty assembly, UT Tyler School of Medicine, UT Tyler Health Science Center, Description: Dean's award, Faculty executive council update, Faculty affairs & professional development update

Research Seminar, UT Tyler Center for Biomedical Research, UT Tyler Health Science Center, Description: Research seminar by Dr. Phillip Shaul from UT Southwestern Medical Center

Research Seminar, UT Tyler Dept of Cellular and Molecular Biology and your local Illumina team, UT Tyler Health Science Center, Description: Seminar: Advancements in next-generation sequencing applications by Illumina team - Dr. Andrew Degar and Mardy Netherton

August 2025 - August 2025

UT Share PeopleSoft HR training, UT Tyler HR, UT Tyler academic campus, Description: Employee self-service training

UT Share Peoplesoft recruitment training, UT Tyler HR, UT Tyler academic campus, Description: Recruitment module training

PROFESSIONAL COMMUNITY SERVICE**December 2025 - December 2025**

UT Tyler Health Science Center, Donated books and educational toys to Toy Drive for Healthy Paths for Strong Brains Program

UT Tyler School of Health Professions, Donated food to School of Health Professions Holiday Food Drive

September 2025 - Ongoing

UT Tyler School of Medicine, Dr. Lianghao Ding is a collaborator on my NIH grant application submitted in Oct. 2025. I could not find his name in the faculty list on Fac180 in Grant section and thus put this information here.

August 2025 - Ongoing

UT Tyler School of Medicine, Research collaboration with Dr. Vijaya Rao's lab; providing my equipment and protocols to assist their behavioral tests for one of Dr. Rao's projects relevant to stroke.