Postdoctoral Training Fellowship Opportunity at The University of Texas at Austin

The University of Texas at Austin's NIAAA T32 Training Program has an opening for a postdoctoral fellow beginning November 1, 2021. Applications are invited for this 1-year (with the possibility of 3 years, pending competing renewal) postdoctoral training fellowship in the neurobiological and behavioral effects of alcohol. Training opportunities span a breadth of state-of-the-art translational, psychosocial, and preclinical approaches in animal models and human subjects research including behavior, bioinformatics, genetics, electrophysiology, imaging, molecular biology, neurochemistry, and neuropharmacology. Our dynamic training environment boasts a 35 year history of successfully preparing postdoctoral fellows for careers in alcohol research. Integrated with the Waggoner Center for Alcohol and Addiction Research, this opportunity is available for any one of our training faculty's laboratories, but especially Natividad, Lippard / Fromme or Melamed research groups who are actively recruiting. Our faculty span 7 different academic departments/divisions (Molecular Biosciences, Neurology, Neuroscience, Pharmacology & Toxicology, Psychiatry, Psychology, Social Work) and 5 colleges at UT Austin.

ELIGIBILITY: Applicants must have completed their doctoral training in biochemistry, biology, chemistry, neuroscience, pharmacology, physiology, psychology, social work or a related field and be U.S. citizens or permanent residents. Competitive applicants will have a strong track record of scholarly productivity and commitment to a career in alcohol research. Individuals must be highly motivated, possess initiative, and demonstrate strong verbal and written communication skills. UT is an equal-opportunity employer. Women and those from groups under-represented in STEM fields are highly encouraged to apply. Earliest start date is November 1, 2021. Stipend, medical insurance coverage, and travel funds are supported by our NIH Institutional T32 Training Award.

APPLICATION PROCEDURE: Initiate the application process by emailing the director, Dr. Kim Nixon, at kim.nixon@austin.utexas.edu with a letter of interest and CV. After review of your CV, applicants may be asked for a statement of research goals and contact information for three references. Review of applications begins immediately until the position is filled.

About UT & Austin, Texas. The University of Texas at Austin, the #10 public university in the U.S. and #1 public university in the state of Texas is in the dynamic city of Austin, the Live Music Capital of the World. Austin is the capital of the state of Texas and 11th largest city in the U.S. with over 2 million people in the metro area. The city spans the eastern edge of the hill country of central Texas which provides great outdoor recreational activities through the many lakes formed from the Colorado River. Austin or "Silicon Hills" has been ranked as the #1 place to live in the U.S. by U.S. News & World Report numerous times for its vibrant economy driven by a thriving tech sector and high quality of life.

Alcohol Training Grant
Program Info

The training program promotes and supports collaborative research with participating faculty in the following areas:

Research Areas

Genetics

– genotyping of human and animal subjects (Fromme).

Behavior

– analysis of the effects of ethanol on motor function, reinforcement, anxiety, and withdrawal (Dominguez).

Neurochemistry

– intracellular and extracellular signaling mechanisms with an emphasis on phosphorylation (Mayfield), release and transport of glutamate, dopamine, and other neurotransmitters (Mayfield), expression of synaptic proteins (Mayfield), and novel mechanisms of target identification and drug discovery for alcoholic neuropathology (Nixon).

Electrophysiology and microscopic imaging

– whole cell and intracellular methods in single cells and in brain slices (Morikawa).

Psychosocial

– psychological approaches to understanding human drinking patterns andthe interaction of genotype and alcohol drinking in humans (Fromme).

Molecular biology

- studies of the function of voltage- and ligand-gated ion channels in cellular expression systems (Mihic, Atkinson), development of new transgenic animal models (Atkinson, Eberhart), and identification of ethanol responsive genes (Atkinson).