UT Southwestern Medical Center

Mechanisms of Myoblast Fusion in Zebrafish Muscle Development- Chen Lab

A postdoctoral training position is available in the laboratory of Elizabeth Chen, in the Molecular Biology Department at UT Southwestern Medical Center to study the molecular and cellular mechanisms of myoblast fusion in zebrafish muscle development. Our laboratory has several exciting projects related to discovering the asymmetric fusogenic synapse, as well as actin polymerization- and actomyosin-mediated mechanical interactions between fusing cells [Science 340,359-63; Dev Cell 32,561-73; Nat Cell Biol 20,688-698; Nat Cell Biol 22,674-688; Dev Cell 13, 1582-97]. Current research in the Chen lab is conducted using a multidisciplinary approach (involving genetics, molecular biology, cell biology, biochemistry and biophysics) in multiple experimental systems (Drosophila, zebrafish, mouse and cultured cells).

Candidates must hold a recent Ph.D. and/or M.D. degree. Experience in genetics, cell biology, molecular biology, biochemistry and/or biophysics, leading to publication in peer-reviewed journals is recommended. Prior experience with zebra experience with zebrafish genetics is highly preferred.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at http://www.utsouthwestern.edu/postdocs.

Interested individuals should send a CV, statement of interests, and a list of three references to:

Elizabeth Chen, Ph.D.
UT Southwestern Medical Center
5323 Harry Hines Blvd.
Dallas, TX 75390-9148
Elizabeth.Chen@UTSouthwestern.edu
https://www.utsouthwestern.edu/labs/chen-elizabeth/
https://profiles.utsouthwestern.edu/profile/38214/elizabeth-chen.html