Postdoctoral position is available at the University of Texas, Houston

A postdoctoral position is available to study how chemotherapy drugs affect neuronal homeostasis.

Cognitive changes may occur in patients during and after anti-cancer treatments. Up to 75% of people who undergo chemotherapy experience some level of cognitive changes. Therefore, discovery of safe and effective drugs that would stop or mitigate these changes is very desirable.

In the lab, we use multiple approaches, including molecular, cell, and chemical biology, and microscopy techniques. We are developing a model based on culturing rodent or human neurons that will be useful for elucidating mechanisms of chemotherapy induced neuronal dysfunction. In addition, we use a novel microscopy system that allows following cultured neurons over their lifetime, monitoring a number of variables such as neurite arborization and neuronal survival. With this system, we can determine which variables predict neuronal health, survival or death.

Requirements: motivated and recent Ph.D graduates. Candidates with a strong background in cell and molecular biology are encouraged to apply. Applicants must have experience in neuronal culturing, cell imaging, and mouse models.

Please submit your CV and statement of interest to Dr. Andrey Tsvetkov:
Andrey.s.tsvetkov@uth.tmc.edu

Thank you,

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