Understanding Neurogenic Defense in the Gut

A postdoctoral training position is available in the laboratory of Dr. Yuki Obata in the Department of Immunology (Chair: Dr. Lora Hooper) and Neuroscience (Chair: Dr. Joseph Takahashi) and Peter O'Donnell Brain Institute (OBI) (Director: Dr. William T. Dauer) at UT Southwestern Medical Center, Dallas TX.

The Obata Lab studies how gut environmental factors (e.g., microbiota and pathogens) shape neural circuits of the gut and brain. We use a variety of experimental techniques, including viral tracing of gut nerves, in vivo and ex vivo physiological assays, enteric infection models and optogenetic technologies. Our research builds on the combined expertise of the collaborating laboratories in the department of Immunology, Neuroscience, Microbiology, and the Brain institute at UT Southwestern, thus offering a unique approach to deciphering how intestinal neural functions are integrated into the host defense and behavior.

Candidates must hold a Ph.D. and/or M.D. degree and have extensive experience in basic molecular biology and physiology. Experience in systems neuroscience, mucosal immunology or chronobiology in mice is highly recommended. Publications in peer-reviewed journals is not required but is 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, one-page statement of research interests and plans, and a list of three references to:

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Yuki Obata, Ph.D. - Faculty Profile - UT Southwestern

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