Cancer Biology and Stem Cell Biology

Two NIH-funded postdoctoral research fellowship/research scientist positions are immediately available in Dr. Le’s laboratory in the Department of Dermatology and Simmons Comprehensive Cancer Center at UT Southwestern Medical Center to study Cancer Biology and Stem Cell Biology.

Our lab investigates how genetic and microenvironmental factors interplay to regulate tumorigenesis. Our research focuses on identification of the cell of origin and elucidating the role of tumor microenvironment in cancer development. We dissect the cellular and molecular mechanisms of carcinogenesis from a developmental perspective using Neurofibromatosis Type 1 (NF1), a common tumor predisposition human genetic disorder, as a model. While working on neurofibromatosis, our research group serendipitously uncovered the identity of follicular epithelial cells that directly give rise to hair and mechanisms that cause hair to turn gray – findings that led to our second focus to identify possible treatments for balding and hair graying associated with aging.

Our laboratory is a collaborative effort between the Department of Dermatology, the Cancer Center, the Hamon Center for Regenerative Science and Medicine, and the O’Donnell Brain Institute to offer an extraordinarily rich environment that encompasses both basic and translational research. Candidates must hold a Ph.D., M.D./Ph.D., or M.D. degree and should possess good communication skills.

Please see our recent publications at: Le Laboratory publications

Interested candidates should send an updated CV, with names and contact information of three professional references to:

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