



# Mechanisms of Skin Patterning and Regeneration

**Sarah E. Millar, Ph.D.**

**Icahn School of Medicine at Mount Sinai**

Dr. Millar is Director of the Institute for Regenerative Medicine and the Black Family Stem Cell Institute and serves as Dean for Basic Science in the Icahn School of Medicine at Mount Sinai, New York. She holds the Lillian and Henry M. Stratton Professorial Chair in the Departments of Cell, Developmental and Regenerative Biology and Dermatology. In these roles, Dr. Millar heads the research efforts in regenerative medicine and stem cells at Mount Sinai and oversees the School's basic research programs.

After graduating from Cambridge University, Dr. Millar received her PhD from the University of London and then trained as a post-doctoral fellow at the NIH and at Stanford University. Before joining Mount Sinai, she was the Albert Kligman Professor of Dermatology and Vice-Chair for Research in the Department of Dermatology at the University of Pennsylvania. Dr. Millar is a graduate of the Executive Leadership in Academic Medicine (ELAM) program.

Dr. Millar is internationally recognized as a leading researcher in epithelial stem cell biology. Her research group has made seminal discoveries on the roles of Wnt signaling and epigenetic regulatory mechanisms in development and regeneration of the skin and its appendages. Dr. Millar's current research directions include using mouse models and patient samples to investigate genetic skin disorders; determining the mechanisms that underlie skin patterning and heterogeneity; and uncovering the transcriptional and epigenetic regulation of epithelial development and stem cell activity. She is also applying her expertise in epithelial and stem cell biology and mouse genetics to investigate the mechanisms underlying both acute and long-term loss of taste and smell in COVID-19 disease using newly developed genetic mouse models that conditionally express the human ACE2 receptor.

Dr. Millar is an Editorial Board member for *Developmental Cell and Experimental Dermatology*, a Deputy Editor for *the Journal of Investigative Dermatology*, and has served on numerous national and international grant review committees. She has received awards in recognition of her outstanding research, including an NIH MERIT Award for her work on Wnt signaling in the skin, and the 2017 William Montagna Lectureship Award of the Society for Investigative Dermatology.



**Monday, November 11<sup>th</sup>, 2024**

4:05 p.m.

**Auditorium/Room 108**

**BCBP Building**

Refreshments at 3:30 p.m. in the lobby.

**Host: Dr. Fei Liu**

[fliu@tamu.edu](mailto:fliu@tamu.edu)