



# Yale SCHOOL OF MEDICINE

## GENETICS DEPARTMENT SEMINAR SERIES

# Cytoskeletal Control of Tissue Development

The seminar will cover lessons learned from studying the organization, dynamics and function of the microtubule cytoskeleton in an in vivo context. I will show that using tissues to study microtubules allows discovery of basic cell biology principles, and that using microtubules as a prism to view tissue development reveals aspects of cell communication and progenitor cell regulation that were previously unrecognized. Specifically, I will cover how centrosomes are inactivated during tissue differentiation, and how studying microtubules led us to appreciate novel roles for differentiated cells in regulating stem/progenitor cell proliferation, migration, and cell fate decisions.



## **Dr. Terry Lechler, PhD**

**Professor of Dermatology and of Cell Biology**  
Duke University Medical Center

**Host: Dr. Kaelyn Sumigray**  
Assistant Professor  
YSM Department of Genetics

**Tuesday, March 9, 2021**

11:30am - 12:30pm

[Zoom Link](#)

**pw: 7852649**

The Genetics Calendar of Events can be viewed on-line at  
<https://medicine.yale.edu/genetics/events/seminars.aspx>