



**DEPARTMENT OF GENETICS  
&  
HUMAN GENETICS INSTITUTE OF NEW JERSEY**

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**RESEARCH SEMINAR**

**“Regulation of Signaling and Endocytosis  
by NEDD4 Family E3 Ubiquitin Ligases”**



Jason MacGurn, Ph.D.  
Cell and Developmental Biology  
Vanderbilt University  
Nashville, TN

The MacGurn Lab investigates how ubiquitin conjugation pathways regulate membrane trafficking and signaling decisions in eukaryotic cells. Here, I will present how recent efforts to understand the regulation of human NEDD4 networks led to the identification of a ubiquitin switch that controls proliferation and migration decisions in cancer cells.

**Noon, Monday, March 18, 2019**  
**Auditorium, Life Sciences Building,**  
**145 Bevier Road, Busch Campus, Piscataway, New Jersey**  
Host: Michael Verzi, Phone: 415-374-9780, Email: [verzi@biology.rutgers.edu](mailto:verzi@biology.rutgers.edu)