

Johns Hopkins University

Department of Biology Seminar Series

Thursdays, 4:00pm

For more information go to: <https://bio.jhu.edu/events>

Zoom link: <https://zoom.us/j/97925356454?pwd=6jNuTTYldlU9BcXcrRFdleis2TVNadz09>

April 11th, 2024 - Mudd 100



Debra Silver

Department of Molecular Genetics
and Microbiology,
Cell Biology and Neurobiology

Duke University

Host: Robert Johnston

"Building our brains: From RNA to evolution"

The cerebral cortex controls our higher cognitive capacities and helps define us as humans. Cortical development is orchestrated by neural progenitors which give rise to neurons and glia. Aberrant cortical development can result in devastating neurodevelopmental diseases. Our lab aims to elucidate genetic and cellular mechanisms controlling cortical development and contributing to neurodevelopmental pathologies and brain evolution. This talk will highlight some of our recent discoveries including that subcellular compartmentalization of RNA within neural progenitors influences their morphology and function. It will also highlight new findings that examine the genetic basis for human brain development.