



## Rapid Discovery and Quantification of Prion-like Behavior in Proteins

### Dr. Randal Halfmann

Stowers Institute, Kansas City, MO

Dr. Halfmann focuses on understanding the cellular and evolutionary implications of protein self-assembly using genetic, biochemical, and cell-biological approaches. Proteins often engage other protein molecules of the same or similar sequence. This can lead to a self-reinforcing cascade of protein assembly into polymers or “aggregates” that alter the flow of biological information and, in some cases, the fates of cells that harbor them. His lab is interested in two main questions: the contribution of protein self-assembly to the functions of regulatory proteins -such as transcription factors and signaling proteins-. Second, how protein aggregates distribution within cell populations influences both the fitness of individual cells and of the multicellular communities that harbor them.



See <http://research.stowers.org/halfmannlab/>

**Monday, March 5, 2018**

4:00 p.m.

**Auditorium/Room 108**

**BioBio Building**

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

Host: Dr. David Stelly

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

M: 979-676-2087

Genetics