

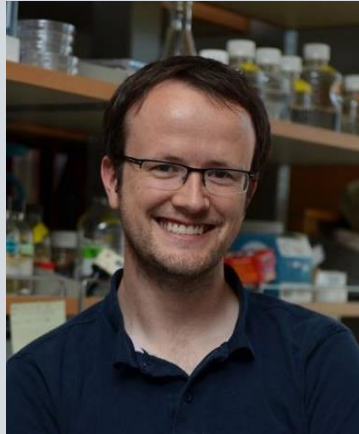
# MCB Department Tenure Talk

*“It began with a screen –  
stories of RNA granules,  
vesicular trafficking and  
ALS”*

**J. Ross Buchan, PhD**

Assistant Professor  
Department of Molecular & Cellular Biology,  
The University of Arizona

Thursday August 22<sup>nd</sup>, 2019  
ENR2 Room SI07 @ IIAM



**An overarching interest in my lab is the assembly, clearance and function of stress granules and P-bodies, which are conserved cytoplasmic assemblies of non-translating mRNA-protein complexes. A microscopy screen aimed at identifying genes that affect stress granules and P-bodies has led my lab over the past 5 ½ years to make several unexpected discoveries. These include identifying a role for endocytosis in neurodegenerative disease pathology and discovering a novel RNA-based scaffolding mechanism for P-bodies. In this talk, I will provide a general overview of these findings and highlight future directions we are pursuing.**

To see all upcoming seminars, please visit [mcb.arizona.edu/events](http://mcb.arizona.edu/events) or join the MCB Seminar Listserv (listname: `mcbjointseminar`) at [list.arizona.edu](http://list.arizona.edu).



UA SCIENCE

**Molecular  
& Cellular Biology**