**Scott D. Huber**

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| **EXPERIENCE** | *Graduate Research Assistant*  Kural Lab, The Ohio State University, Columbus, OH   * Cultured cells and preformed experiments with fluorescence microscopes and optical tweezers * Adapted and applied particle tracking software to microscope image sequences * Designed data structures to hold particle trajectories * Analyzed gigabyte-sized particle trajectory data sets to find trends * Tested hypotheses using statistics and simulations * Developed new methods to display trends in my data in an intuitive manner * Presented findings as well as current research at weekly group meetings and poster sessions   *Graduate Teaching Assistant*  The Ohio State University, Columbus, OH   * Instructed students in recitation and laboratory classes * Evaluated homework and exams | 2015-present  2012-2015 |

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| **SELECTED PUBLICATIONS** | “Deciphering dynamics of clathrin-mediated endocytosis in a living organism”  Joshua P. Ferguson, Nathan M. Willy, Spencer P. Heidotting, Scott D. Huber, Matthew J. Webber, Comert Kural. J Cell Biol, 2016  “Mechanoregulation of clathrin-mediated endocytosis”  Joshua P. Ferguson\*, Scott D. Huber\*, Nathan M. Willy, Esra Aygün, Sevde Goker, Tugba Atabey, Comert Kural. J Cell Sci, 2017 |
| **SKILLS** | **Programmin**g: MATLAB (7 years), Python (2 years), LATEX (2 years), SQL (1 year), Git (1 year), batch processing/supercomputing (1 year)  **Scientific toolset:** Statistical hypothesis testing, academic math and science background  **Presentation skills:** PowerPoint, GIMP, presentation experience to audiences with different levels of subject-matter familiarity  **Analysis specialties:** Image-based data sets, graphical representation of complex data |

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| **EDUCATION** | *Doctorate of Philosophy*, Physics  The Ohio State University, Columbus, OH  Concentration: Biophysics  *Masters of Science*, Physics  The Ohio State University, Columbus, OH  Concentration: Biophysics  *Bachelor of Science,* Physics  The University of Illinois, Urbana, IL,  Minor: Mathematics | December 2018  2015  2012 |