

# Tamas L. Nagy

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## Education

*2015*— Graduate student, Biomedical Informatics, University of California, San Francisco

*2011—2015* B.S. in Chemistry, B.S. in Mathematics, University of Kentucky, Lexington

## Research Interests

Systems Biology & Computational Biology; Machine Vision; Cell-to-Cell Heterogeneity and Cell Decision Making; Data Visualization

## Programming

Julia, Python, C/C++, Matlab, R, HTML/CSS/Javascript,  $\text{\LaTeX}$

## Awards & Grants

*2015* **NSF Graduate Research Fellow**, National Science Foundation

*2014* **Undergraduate Research Abroad Scholar** w/Lucas Pelkmans, University of Zurich (UZH)

*2013* **AMGEN/CRSB Fellow** w/Jennifer Doudna, University of California, Berkeley

*2011—2015* **Chellgren Fellow**, University of Kentucky

*2011—2015* **Otis A. Singletary Scholar**, University of Kentucky (Tuition, Board, & stipend)

## Publications

Webb, S., Nagy, T., Moseley, H., Fried, M., & Dutch, R. E. (2017). Hendra virus fusion protein transmembrane domain contributes to pre-fusion protein stability. *The Journal of Biological Chemistry*. <https://doi.org/10.1074/jbc.M117.777235>

## Pre-prints

Nagy, T., & Kampmann, M. (2017, March 22). CRISPulator: A Discrete Simulation Tool For Pooled Genetic Screens. *bioRxiv*. <https://doi.org/10.1101/119131>

## Talks & Posters

2016 “Leveraging CRISPR for Precision Biology”, Workshop with Jacob Corn and Martin Kampmann, American Society for Cell Biology Annual Meeting, San Francisco, CA

2014 “Investigating the Expanding Role of Transmembrane Domains in Enveloped Virus Entry,” Bioinformatics Summit, UT-KBRIN, Lake Barkley, KY

2014 “Investigating Common Transmembrane Motifs in Enveloped Virus Entry,” National Conference of Undergraduate Research, Lexington, KY

2013 “Engineered CRISPR/Cas-based System for RNA-guided, Tag-less, Spatiotemporal Imaging of Endogenous RNA,” AMGEN symposium, Berkeley, CA

## Service

2017 Teaching Assistant, Algorithms, University of California, San Francisco

2014 Teaching Assistant, Organic Chemistry II, University of Kentucky

2013 Teaching Assistant, Organic Chemistry I, University of Kentucky

2013—2014 Public Relations, Society for the Promotion of Undergraduate Research (SPUR)

## References (Alphabetical)

Steven J. Altschuler, UCSF, [steven.altshuler \[at\] ucsf.edu](mailto:steven.altshuler@ucsf.edu)

Jennifer A. Doudna, UC Berkeley, [doudna \[at\] berkeley.edu](mailto:doudna@berkeley.edu)

Rebecca E. Dutch, University of Kentucky, [rdutc2 \[at\] uky.edu](mailto:rdutc2@uky.edu)

Jerzy Jaromczyk, University of Kentucky, [jurek \[at\] cs.uky.edu](mailto:jurek@cs.uky.edu)

Martin Kampmann, UCSF, martin.kampmann [at] ucsf.edu

Hunter Moseley, University of Kentucky, hunter.moseley [at] uky.edu

Lucas Pelkmans, University of Zurich, lucas.pelkmans [at] imls.uzh.ch

Orion Weiner, UCSF, orion.weiner [at] ucsf.edu

Lani Wu, UCSF, lani.wu [at] ucsf.edu

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