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, 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

Nagy, T., & Kampmann, M. (2017). CRISPulator: a discrete simulation tool for pooled genetic screens. BMC Bioinformatics, 18(1), 347. https://doi.org/10.1186/s12859-017-1759-9 Preprint: https://doi.org/10.1101/119131

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

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 Endogeneous 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.altschuler [at] ucsf.edu

Jennifer A. Doudna, UC Berkeley, doudna [at] berkeley.edu

Rebecca E. Dutch, University of Kentucky, rdutc2 [at] uky.edu

Jerzy Jaromczyk, University of Kentucky, jurek [at] 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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