

Stephen J. DeCamp

www.stephenjdecamp.com
decamp@hsph.harvard.edu

Harvard School of Public Health
SPH1 – Ground Floor
665 Huntington Ave
Boston, MA 02115

EDUCATION

- Postdoctoral Research Fellow** September, 2016 – Present
Harvard School of Public Health
Supervisor: Jeffery Fredberg
- Ph.D. in Physics** August, 2016
Department of Physics, Brandeis University
Supervisor: Zvonimir Dogic
- B.S. in Physics and Astrophysics** 2010
Department of Physics and Astronomy, Michigan State University

PUBLICATIONS

- S. J. DeCamp***, G. S. Redner*, A. Baskaran, M. F. Hagan, Z. Dogic. “[Orientational order of motile defects in active nematics.](#)” Nature Materials, Aug 2015; 14, 1110-1115 2015
- G. Henkin*, **S. J. DeCamp***, DT. Chen*, T. Sanchez, Z. Dogic. “[Tunable dynamics of microtubule-based active isotropic gels.](#)” Phil. Trans. R. Soc. A. Nov 2014; 372(2029). 2014
- F. C. Keber*, E. Loiseau*, T. Sanchez*, **S. J. DeCamp**, L. Giomi, M. J. Bowick, M. C. Marchetti, Z. Dogic, A. R. Bausch. “[Topology and dynamics of active nematic vesicles.](#)” Science, Sept 2014; 345(6201), 1135-1139. 2014
- L.J. Lapidus, S. Acharya, C. Schwantes, L. Wu, D. Shukla, M. King, **S.J. DeCamp**, V.S. Pande. “[Complex pathways in folding of protein G explored by simulation and experiment.](#)” Biophysical Journal, Aug 2014; 4 (107): 947-955. 2014
- T. Sanchez*, DT. Chen*, **S. J. DeCamp***, M. Heymann, Z. Dogic. “[Spontaneous Motion in Hierarchically Assembled Active Matter.](#)” Nature, Nov 2012; 491(424): 431-4. 2012
- S. J. DeCamp**, A. Naganathan, S. Waldauer, O. Bakajin, L. Lapidus. “[Direct Observation of Downhill Folding of \$\lambda\$ -Repressor in a Microfluidic Mixer.](#)” Biophysical Journal, Sep 2009; 6 (97): 1772-1777. 2009
- S. Waldauer, O. Bakajin, T. Ball, Y. Chen, **S. J. DeCamp**, M. Kopka, V. Singh, W. Wedemeyer, S. Weiss, S. Yao, and L. Lapidus. “[Ruggedness in the Folding Landscape of Protein L.](#)” HFSP Journal, Dec 2008; 2 (6): 388-395. 2008

* indicates co-first authorship.

TEACHING & SUPERVISION

| | |
|---|-----------|
| HHMI Quantitative Biology Research Community Mentor | 2015 |
| Active Sample Bootcamps – Training external researchers in active sample prep | 2012-2015 |
| Undergraduate Research Mentor – 3 undergraduates resulting in 1 publication | 2012-2015 |
| Teaching Assistant – Introduction to Physics Lab | 2010-2011 |

AWARDS

| | |
|--|-----------|
| Dr. Stephan Berko Prize - 23 rd Berko Symposium | 2014 |
| Andor/Bitplane Insight Award | 2013 |
| NIBIB Quantitative Biology Training Grantee QB T32 | 2011-2012 |

CONFERENCE TALKS

| | |
|---|----------------|
| APS March Meeting – Baltimore, MD | March 2016 |
| Soft Condensed Matter Seminar – Tufts University, Medford, MA | October 2015 |
| Gordon Research Seminar (GRS) Soft Matter – Colby-Sawyer College, NH | August 2015 |
| APS March Meeting – San Antonio, TX | March 2015 |
| ACS Active Colloids Meeting – University of Pennsylvania, Philadelphia, PA | June 2014 |
| 23 rd Berko Symposium – Berko Prize Award – Brandeis University, Waltham MA | May 2014 |
| APS March Meeting – Denver, CO | March 2014 |
| QB/MSM Student Talk Seminar – Brandeis University, Waltham MA | February 2014 |
| 15 th Annual Greater Boston Area Statistical Mechanics Meeting (GBASM) | October 2013 |
| Gordon Research Conference (GRC) Liquid Crystals – U. of New England, ME | June 2013 |
| 22 nd Berko Symposium – Brandeis University, Waltham MA | June 2013 |
| Brandeis Biochem, Biophys, & QB Annual Retreat – MBL, Woods Hole, MA | October 2012 |
| 52 nd New England Complex Fluids – Brandeis University, Waltham MA | September 2012 |
| NIH NIBIB Training Grantees Meeting – NIH Campus, Bethesda, MD (poster) | June 2012 |
| QB/MSM Student Talk Seminar – Brandeis University, Waltham MA | May 2012 |
| Active Jammed Systems – New York University, New York, NY (poster) | May 2012 |

SCIENCE OUTREACH

| | |
|---|------------|
| Boston Soft Matter Socials – Co-founder and organizer, www.bostonsoftmatter.com | 2016 |
| Stratton Elementary School Science Festival – Arlington, MA | 2014- 2015 |
| Acton Discovery Museum – table top demos – Acton, MA | 2011-2014 |
| Lawrence Science Program – Intensive MCAS Science Bootcamp – classroom lessons | 2014 |
| Geek is Glam – Girl Scout Camp Event – stage demos – Worcester, MA | 2013 |
| Boston Children's Museum – Tinker Tent – Electricity and Circuits Demo | 2013 |
| Boston Common Halloween at Frog Pond – Boston, MA | 2013 |
| PBS/NOVA – Making Stuff – table top demos – Boston Museum of Science | 2011 |