

# Stanford

---



## Jan Liphardt

Associate Professor of Bioengineering

### Bio

---

#### ACADEMIC APPOINTMENTS

- Associate Professor, Bioengineering
- Member, Bio-X
- Member, Stanford Cancer Institute
- Faculty Fellow, Stanford ChEM-H

#### ADMINISTRATIVE APPOINTMENTS

- Director and Principal Investigator, Bay Area Physical Sciences Oncology Center, (2009-2015)

#### HONORS AND AWARDS

- Thomas and Polly Bredt Faculty Scholar, Stanford University (2013-17)
- MDV Innovator's Award, Mohr Davidow Ventures (2007)
- Searle Scholar, Chicago Community Trust (2006-08)
- Sloan Research Fellow, Alfred P. Sloan Foundation (2006-07)
- Hellman Faculty Fund Award, UC Berkeley (2005)

5 OF 7

#### LINKS

- Liphardt lab site: <http://liphardtlab.stanford.edu/>
- My personal blog: <http://janliphardt.com>

### Teaching

---

#### COURSES

##### 2018-19

- Beyond Bitcoin: Applications of Distributed Trust: BIOE 60 (Win)
- Introduction to Bioengineering (Engineering Living Matter): BIOE 80, ENGR 80 (Spr)

##### 2017-18

- Beyond Bitcoin: Applications of Distributed Trust: BIOE 60 (Win)
- Bioengineering Departmental Research Colloquium: BIOE 393 (Aut, Win, Spr)
- Introduction to Bioengineering (Engineering Living Matter): BIOE 80, ENGR 80 (Spr)

#### 2016-17

- Introduction to Bioengineering (Engineering Living Matter): BIOE 80, ENGR 80 (Spr)

#### 2015-16

- Bioengineering Departmental Research Colloquium: BIOE 393 (Aut, Win, Spr)

### STANFORD ADVISEES

#### Master's Program Advisor

Natalie Ramsy

#### Doctoral (Program)

Michael Hollander

### Publications

---

#### PUBLICATIONS

- **Origins of chemoreceptor curvature sorting in Escherichia coli** *NATURE COMMUNICATIONS*  
Draper, W., Liphardt, J.  
2017; 8
- **ATAC-se reveals the accessible genome by transposase-mediated imaging and sequencing.** *Nature methods*  
Chen, X., Shen, Y., Draper, W., Buenrostro, J. D., Litzenburger, U., Cho, S. W., Satpathy, A. T., Carter, A. C., Ghosh, R. P., East-Seletsky, A., Doudna, J. A., Greenleaf, W. J., Liphardt, et al  
2016
- **Importin-beta modulates the permeability of the nuclear pore complex in a Ran-dependent manner** *ELIFE*  
Lowe, A. R., Tang, J. H., Yassif, J., Graf, M., Huang, W. Y., Groves, J. T., Weis, K., Liphardt, J. T.  
2015; 4
- **Human breast cancer invasion and aggression correlates with ECM stiffening and immune cell infiltration** *INTEGRATIVE BIOLOGY*  
Acerbi, I., Cassereau, L., Dean, I., Shi, Q., Au, A., PARK, C., Chen, Y. Y., Liphardt, J., Hwang, E. S., Weaver, V. M.  
2015; 7 (10): 1120-1134
- **Rapid disorganization of mechanically interacting systems of mammary acini** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Shi, Q., Ghosh, R. P., Engelke, H., Rycroft, C. H., Cassereau, L., Sethian, J. A., Weaver, V. M., Liphardt, J. T.  
2014; 111 (2): 658-663

5 OF 54