DANIEL J. COHEN

Princeton University

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CURRENT POSITION

Princeton University Assistant Professor 02/2018-Present

Department of Mechanical and Aerospace Engineering

EDUCATION AND TRAINING

Stanford University Post-doctoral Fellow 2014-2017

Mentor: Prof.W. James Nelson

University of California Ph.D.—Joint Program in Bioengineering 12/2013

Berkeley and San Francisco Chair: Prof. Michel M. Maharbiz

The Physiology Course Trainee Summer, 2011

at Woods Hole 7-week quantitative biology training course

Princeton University B.S.E.—Mechanical Engineering (magna cum laude) 2008

Certificates: Materials Science, Engineering Biology

AWARDS AND FUNDING

Life Science Research Foundation Post-doctoral Fellowship (LSRF, Sponsor: HHMI)	2014-2017
NSF Post-doctoral Research Fellowship in Biology (NSF-PRFB, declined)	2014
Electrochemical Society Daniel Cubicciotti Award	2013
NSF Graduate Research Fellowship (NSF-GRFP)	2008-2013
National Defense Science and Engineering Graduate Fellowship (NDSEG)	2008-2011
UC Berkeley Lloyd Distinguished Graduate Student Fellowship	2008
Princeton University John Marshall II Memorial Award	2008

JOURNAL PUBLICATIONS

- 1. Cohen DJ, Nelson WJ. "Secret Handshakes: cell-cell recognition and adhesion", Current Opinion in Cell Biology (2018)
- 2. **Cohen DJ**, Gloerich M, Nelson WJ. "Epithelial self-healing is recapitulated by a 3D biomimetic E-cadherin junction", Proceedings of the National Academy of Sciences (2016)
- 3. Gloerich M, Bianchini JM, Siemers KA, Cohen DJ, Nelson WJ. "Cell division orientation is coupled to cell-cell adhesion by the E-cadherin/LGN complex", Nature Communications (2016)
- 4. Cohen DJ, Nelson WJ, Maharbiz MM. "Galvanotactic control of collective cell migration in epithelial monolayers", Nature Materials (2014)
- 5. Cohen DJ, Mitra D, Peterson K, Maharbiz MM. "A highly elastic, capacitive strain gauge based on percolating nanotube networks," Nano Letters (2012)
- 6. Libby T, Moore TY, Chang-Siu E, Li D, Cohen DJ, Jusufi A, Full RJ. "Tail-assisted pitch control in lizards, robots and dinosaurs," Nature (2012)
- 7. Chen J, Bly RA, Saad MM, Alkhodary MA, El-Backly RM, Cohen DJ, Kattamis N, Fatta MM, Moore WA, Arnold CB, Marei MK, Soboyejo WO. "In-vivo study of adhesion and bone growth around implanted laser groove/RGD-functionalized Ti-6Al-4V pins in rabbit femurs," Materials Science and Engineering: C (2011)
- 8. Cohen DJ, Morfino RC, Maharbiz MM, "A Modified Consumer Inkjet for Spatiotemporal Control of Gene Expression," PLoS ONE 4(9) (2009)

Pat	ATENTS ent: Cohen DJ et al. "Methods and apparatus for monitoring wound healing using impedance spectrosco PO 62/012,975	ру." 2014,	
A	CADEMIC TEACHING EXPERIENCE		
MA	Spr. Se 344/566—Biomechanics and Biomaterials—From Tissues to Tools	Spring 2018 Summers: 2012, 2013	
Ins	tructor at Woods Hole Physiology Course Summers: 20		
Cli	nical Applied Science and Engineering Surgical Shadowing program at UC Berkeley/UCSF 20	009-2011	
ĺΝ	vited Talks and Selected Outreach Presentations		
<u>Ac</u>	ADEMIC TALKS		
1. 2. 3.	EMBO Dynamics of Living Cells, France — EMBO Fall Workshop American Society for Cell Biology (ASCB 2016)—Mini-Symposium Speaker on cell-like biomaterials Gordon Research Seminar/Conference: Biointerfaces (Talk, Best Poster Award)	2017 2016 2015	
4.	Swarm 2015, Japan, Organized Session Speaker on Cooperation in Collective Biology	2015	
5.	Biophysics Seminar, Institut Curie (Paris), org. by Silberzan Group	2015	
6.	Gordon Research Conference on Directed Cell Migration, Flash talk	2015	
7. 8.	SWARM Seminar: Dept. of Electrical Engineering, UC Berkeley CNRS Training Workshop: Emergent Order in Biology (France)	2013 2012	
Fe	BLIC OUTREACH TALKS ON SCIENCE AND HISTORY Illow of the Odd Salon — public science and culture lectures at the DNA Lounge, San Francisco, -Product, Odd Salon: New York City —East Coast chap. based at Kraine Theater, New York,		
0.	Le Grand K:The Life and Times of the Kilogram as a physical object	2018	
I.	Renaissance Rhinoplasty: The Secret History of Regenerative Medicine	2017	
2.	Equal and Opposite: Newton vs. Chaloner	2017	
3.	Cracked Condyles:The Legacy of Piltdown Man	2017	
4.	The Secret Lives of Fiber Composites: from nuclear centrifuges to erectile mechanics	2017	
5.	Alan Turing and the Theory of Morphogenesis	2016	
6.	Zilvervloot: the Story of the Largest Heist in History	2016	
7. 8.	Alcohol and Inspiration in the Norse Prose Edda	2016 2015	
9.	Revenge in Art and Architecture The History of Bioelectricity: from Frankenstein to the Flexner Report	2015	
Ne	erd Nite—public science lectures around the San Francisco Bay Area		
١.	Walk This Way—Bioelectricity Then and Now at the Battery Club	2017	
2.	Science speaker and representative at the Bedlam Festival at the Battery Club	2016	
3.	The Art Forger and the Nazi, Rickshaw Stop Theater, San Francisco CA	2015	
4.	The History of Bioelectricity, Rickshaw Stop Theater, San Francisco CA	2014	
5. 6.	How Swarm Behaviors Work, New Parkway Theater, Oakland CA The History of Frankenstein, California Academy of Sciences, San Francisco CA	2013 2013	
Ва	y Area Arts and Science Interdisciplinary Collaborative—art and science events		
١.	Video installation of cell migration at Aggregate Strange Gallery, Oakland CA	2014	
2	The History of Frankspatein New Paulous Theorem Caldand CA	2014	

2014

2014

The History of Frankenstein, New Parkway Theater, Oakland CA

Tissue Engineering: Building with Biology, Odeon Theater, San Francisco CA