

## Natalie Andrew Ph.D. artist scientist

(617) 435-8978    elaket@elaket.org

Holyoke MA 01040

### Biography

Natalie Andrew is both a visual artist and a professional biologist whose explorations converge around mosses, slime molds, and other denizens of the forest floor. Her scientific research questions are often stimulated by the things she attempts to achieve artistically and vice versa. Integral to her practice is the crossing of the boundaries that separate art and science, allowing them to feed off of each other. She has been making ceramic artwork since 2015. Natalie currently works at the Center for Immunology and Inflammatory Diseases at Massachusetts General Hospital as a microscopy manager. Her most recent research explored flows and contraction behavior in protoplasmic slime molds. Her previous positions include guest scientist at the Max Planck Institute for Dynamics and Self Organization in Germany, postdocs at Harvard University and Harvard Medical School, and her research has been published in *Nature Cell Biology*, *PNAS*, *PLoS Computational Biology* and others. Natalie's art practice focuses on ceramics. She has been an Independent Resident Artist at the Harvard Ceramics Program and was a 2019 Artist in Residence at Acadia National Park, Maine. Natalie has received a Ph.D. in Biology, a Masters degree in Cognitive Science, and a Bachelors Degree in Physics with Electronics, all from the University of Birmingham, UK.

### Website

elaket.org

### Exhibitions

Harvard Arnold Arboretum Visitor Center, Jamaica Plain MA, <i>Intricate Beauties</i> (solo show)	October 2022
Gallery 224, Allston MA, <i>Immortality Project</i> (with Brian Knep)	June 2020 (postponed)
ClipArt Gallery, Clippership Wharf MA, <i>Water</i>	February 2020
Gallery 224, Allston MA, <i>Made Here: Sculpture from the Ceramics Program</i>	May 2019
Parsons Gallery, Lexington MA, <i>The State of Clay</i>	May 2018
Gallery 224, Allston MA, <i>Selections from the Holiday Show and Sale</i>	December 2017
Scollay Square Gallery, Boston MA, <i>Emerging</i>	September 2017
Boston Cyberarts Gallery, Boston MA, <i>Membrane: Biology and Art</i>	April 2016
Lamont Gallery, Phillips Exeter Academy, Exeter NH, <i>Lush Life</i>	March 2015
Suffolk University Gallery, Boston MA, <i>Cryptogam</i> (two-person show)	October 2014
NAVE Annex Gallery, Somerville MA, <i>Memory Palace</i>	March 2013
McColl Center for Visual Arts, Charlotte, NC, <i>AIR Exhibition</i>	January 2013
Boston Cyberarts Gallery, Boston MA, <i>COLLISION18: present</i>	November 2012
Axiom Gallery, Boston MA, <i>COLLISION17: transformer</i>	February 2012

### Awards and Residencies

Visitor/Speaker (invited), Caltech Huntington Program in Visual Culture, Caltech, California	2019
Artist in Residence (invited), Maine REACH Residency, Blue Hill, Maine	2019
Artist in Residence, Bernheim Arboretum and Research Forest, Kentucky	2018–2019
Artist in Residence, Acadia National Park, Maine	2018–2019
Artist in Residence (invited), Morris Fellowship, Wellesley College Botanical Gardens	2017–2018

Independent Resident Artist (jury awarded), Harvard Ceramics Program    2017–2020  
I have developed a glazing technique where the slime mold *Physarum polycephalum* is my artistic collaborator. The giant amoeba is fed colorant oxides and is then encouraged to explore the surface of porcelain forms I have created. The result is a permanent, organic, and unpredictable record of an ephemeral event.

Artist-in-Residence, Big Red and Shiny, 'Inside-Out' blog column	September 2013
Carolinas HealthCare Artist-in-Residence, McColl Center for Visual Arts, Charlotte NC	2013
Massachusetts Cultural Council Artist Fellowship Finalist in Sculpture/Installation	2013

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### Press

MIT Technology Review. Artwork for “Iron Man” article, “Food” Issue, January 2021.  
Grow Magazine. Gingko Bioworks publication. Inside covers of “Beauty” January Issue, 2021.  
SciArt Magazine. “Straight Talk. Blending Art and Science with Natalie Andrew” April, 2019.  
Boston Voyager Magazine. “Conversations with the Inspiring Natalie Andrew” November 27, 2018.  
E-Squared Magazine. Issue #2 March 2017.  
McQuaid, Cate, “Membrane: Biology and Art” Boston Globe, March 29, 2016.  
Favermann, Mark, “Compelling ‘Membrane: Biology and Art’ Exhibition at Boston Cyberarts Gallery” New Media International, April 12, 2016.  
McQuaid, Cate, “Presenting Harun Farocki’s musings on work.” Boston Globe, November 4, 2014.  
Editors, “Week ahead: Theater, arts,” Boston Globe, October 15, 2014.  
Senar, Will, “Art meets science at NESAD exhibit.” Suffolk Journal, November, 2014.  
Taylor, Ashley P., “A Marriage Made in the Lab: The Science Side of Science-Art Collaborations” SciArt in America, April 2014.  
Rainsford, Jennifer, “Scandal: they exploit animals!” Tracks TV show, ARTE, France, March 28, 2014.  
Edwards, Erica, “Levine Children's hospital using interactive art work to heal patients.” NBC Charlotte, June 1, 2013.  
Editors, “Natalie Andrew, featured artist,” Charlotte Viewpoint Magazine, May 2013.  
Shaner, Bill, “Phantasma: Collision 17,” DIG Boston, March 2012.

### Talks

Lichen Walk and Talk, Harvard Arnold Arboretum, Boston, MA	February 2023
“Resilience”, Douglass Honors College, Rutgers University, New Brunswick, NJ	March 2021
Acadia National Parks Outreach Event, Acadia, ME	November 2019
Caltech Huntington Program in Visual Culture, Caltech, CA	October 2019
LASER Boston, “Collaborating Across Species”, Swissnex, Boston, MA	June 2019
Sense of Place Donor Event, Bernheim Arboretum and Research Forest, Louisville, KY	May 2018
Molecular Biosciences Program seminar (invited), Middle Tennessee State University, TN	October 2017
PhysNet 2015, EAI International Workshop on Physarum Transport Networks, NY, NY	December 2015
Cultural Council of Lowell, New Materials Mixer, Lowell, MA	April 2014
Pecha Kucha, Charlotte, NC	February 2013
Charlotte Teacher’s Institute, Exploding Canons, McColl Center, Charlotte, NC	January 2013

### Education

<b>Ph.D. Cell Biology</b> , University of Birmingham, UK	2007
Thesis: Pseudopod Generation and the Mechanism of Chemotaxis in Low Chemotactic Gradients Using quantitative analysis of pseudopod generation in <i>Dictyostelium discoideum</i> , my research determined that directional sensing is mediated by maintaining the most accurate existing pseudopod, rather than through generation of new ones. Results published in Nature Cell Biology (cover story).	
<b>M.Sc. Cognitive Science</b> , University of Birmingham, UK	2000
Thesis: <i>Connecting Temporal Events with Learning in Artificial Agents</i>	
<b>B.Sc. Physics with Electronics</b> , University of Birmingham, UK	1998
Graduated with honors.	