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Education

- 2004-2009 **University of Michigan**, Ann Arbor
Ph.D. in Ecology and Evolutionary Biology
Advised by Mercedes Pascual
- 1998-2002 **Princeton University**
A.B. *summa cum laude* in Ecology and Evolutionary Biology
Certificates in Environmental Studies and Russian Studies

Academic appointments

- 2018- **University of Chicago**
Associate Professor in the Department of Ecology & Evolution
Committee on Microbiology (since 2018)
Graduate Program in Biophysical Sciences (since 2018)
- 2013-2018 **University of Chicago**
Assistant Professor in the Department of Ecology & Evolution
Committee on Microbiology (2016-2018)
- 2010-2013 **Harvard School of Public Health**
Postdoctoral Research Fellow and NIH Kirschstein Fellow
Advised by Marc Lipsitch

Awards and fellowships

- 2016 Neubauer Faculty Development Fellowship, U. Chicago (\$10,000)
- 2014 NIH New Innovator Award (DP2AI117921; \$2.1 million; 5 years)
- 2014 James S. McDonnell Complex Systems Scholar Award (\$450,000; PI with co-PI Patrick Wilson; 4 years)
- 2011 NIH Kirschstein National Research Service Award (F32GM097997) (2 years)
- 2005 NSF Graduate Research Fellowship (3 years)
- 2005 YSSP Fellowship Grant from U.S. National Committee for IIASA
- 2002 Senior Book Prize, Department of Ecology and Evolutionary Biology, Princeton
- 2002 Phi Beta Kappa, Princeton
- 2002 Sigma Xi Society, Princeton

Publications

Pre-prints, submitted, or in review

- Arevalo, P., McLean, H.Q., Belongia, E.A. and **S. Cobey**. 2019. Earliest infections predict the age distribution of influenza A cases. medRxiv 19001875; doi.org/10.1101/19001875 (in review)
- Wen, F., Malani, A. and **S. Cobey**. 2019. Vaccination and the evolution of seasonal influenza. bioRxiv 162545; doi.org/10.1101/162545 (in review)

Gouma, S., Kim, K., Weirick, M., Gumina, M.E., Branche, A., Topham, D.J., Martin, E.T., Monto, A.M., **Cobey, S.** and S. Hensley. Middle-aged individuals may be in a perpetual state of H3N2 influenza virus susceptibility. medRxiv doi.org/10.1101/2020.01.09.20017038 (in review)

Peer-reviewed

- Cobey, S.** Perspective: Modelling Infectious Disease Dynamics. *Science* (in press)
- Gouma, S., Zost, S. J., Parkhouse, K., Branche, A., Topham, D. J., **Cobey, S.**, and S. Hensley. 2019. Comparison of human H3N2 antibody responses elicited by egg-based, cell-based, and recombinant protein-based influenza vaccines during the 2017-2018 season. *Clinical Infectious Diseases*, ciz996.
- Ranjeva, S., Subramanian, R., Fang, V. J., Leung, G. M., Ip, D. K. M., Perera, R. A. P. M., Peiris, J. S. Malik, Cowling*, B. J., and **S. Cobey***. 2019. Age-specific differences in the dynamics of protective immunity to influenza. *Nature Communications* 10:1660.
- Henry, C., Zheng, N., Huang, M., Cabanov, A., Rojas, K., Kaur, K., Andrews, S.F., Palm, A., Chen, Y., Li, Y., Hoskova, K., Utset, H.A., Vieira, M.C., Wrammert, J., Ahmed, R., Holden-Wiltse, J., Topham, D.J., Treanor, J.T., Ertl, H.C., Schmader, K.E., **Cobey, S.**, Krammer, F., Hensley, S.E., Greenberg, H., He, X. and P.C. Wilson. 2019. Influenza virus vaccination elicits poorly adapted B cell responses in elderly individuals. *Cell Host & Microbe* 13;25(3):357-366.e6.
- Neu, K.E., Guthmiller, J.J., Huang, M., La, J., Vieira, M.C., Kim, K., Zheng, N., Cortese, M., Tepora, M.E., Hamel, N.J., Rojas, K., Henry, C., Shaw, D., Dulberger, C.L., Pulendran, B., **Cobey, S.**, Khan, A., and P.C. Wilson. 2018. Spec-seq unveils transcriptional subpopulations of antibody-secreting cells following influenza vaccination. *Journal of Clinical Investigation* 129(1):93-105.
- Cai, F.Y., Fussell, T., **Cobey, S.** and M. Lipsitch. 2018. Use of an individual-based model of pneumococcal carriage for planning a randomized trial of a vaccine. *PLOS Computational Biology* 14(10):e1006333.
- Wen, F., Bell, S., Bedford, T. and **S. Cobey**. 2018. Estimating vaccine-driven selection in seasonal influenza. *Viruses*. 10(9):509.
- Lewnard, Joseph A. and **S. Cobey**. 2018. Immune history and influenza vaccine effectiveness. *Vaccines*. 62(2):28.
- Vieira, M., Zinder, D. and **S. Cobey**. 2018. Selection and neutral mutations drive pervasive mutability losses in long-lived B cell lineages. *Molecular Biology & Evolution* 35(5):1135-1146.
- Cobey, S.**, Gouma, S., Parkhouse, K., Chambers, B.S., Ertl, H.C., Schmader, K. E., Halpin, R.A., Lin, X., Stockwell, T. B., Das, S. R., Landon, E., Tesic, V., Youngster, I., Pinsky, B., Wentworth, D.E., Hensley, S.E. and Y.H. Grad. 2018. Poor immunogenicity, not vaccine strain egg adaptation, may explain the low H3N2 influenza vaccine effectiveness in 2012-2013. *Clinical Infectious Diseases*. 67(3):327-333.
- Ranjeva, S., Baskerville, E., Dukic, V., Villa, L., Lazcano-Ponce, E., Giuliano, A., Dwyer, G. and **S. Cobey**. 2017. Recurring infection with ecologically distinct human papillomavirus (HPV) types explains high prevalence and diversity. *PNAS* 114(51):13573-13578.
- Zost, S.J., Parkhouse, K., Gumina, M.E., Kim, K., Perez, S.D., Wilson, P.C., Treanor, J.J., Sant, A.J., **Cobey, S.** and S. Hensley. 2017. Contemporary H3N2 influenza viruses have a glycosylation site that alters binding of antibodies elicited by egg-adapted vaccine strains. *PNAS* 114(47):12578-12583.
- Cobey, S.**, Baskerville, E., Colijn, C., Hanage, W., Fraser, C. and M. Lipsitch. 2017. Host population structure and treatment frequency maintain balancing selection on drug resistance. *Journal of the Royal Society Interface* 14(33):20170295.

- Cobey, S.** and S. Hensley. 2017. Immune history and influenza virus susceptibility. *Current Opinion in Virology* 22:105-111.
- Cobey, S.** and E. Baskerville. 2016. Limits to causal inference with state-space reconstruction for infectious disease. *PLOS One* 11(12). e0169050.
- Lipsitch, M., Barclay, W., Raman, R., Russell, C.J., Belser, J.A., **Cobey, S.**, Kasson, P., Lloyd-Smith, J.O., Maurer-Stroh, S., Riley, S., Beauchemin, C.A.A., Bedford, T., Friedrich, T.C., Handel, A., Herfst, S., Murcia, P.R., Roche, B., Wilke, C.O., and C.A. Russell. 2016. Viral factors in influenza pandemic risk assessment. *eLife*. e18491.
- Wen, F., Bedford, T. and **S. Cobey**. 2016. Explaining the geographic origins of seasonal influenza A (H3N2). *Proceedings of the Royal Society B*. 283(1838).
- Pessia, A., Grad, Y., **Cobey, S.**, Puranen, J.S., and J. Corander. 2015. K-Pax2: Bayesian identification of cluster-defining amino acid positions in large sequence datasets. *Microbial Genomics*. 1(1).
- Cobey, S.**, Wilson, P. and F. Matsen. 2015. The evolution within us. *Philosophical Transactions of the Royal Society B*. 370(1676): 20140235.
- Childs, L., Baskerville, E. and **S. Cobey**. 2015. Tradeoffs in antibody repertoires to complex antigens. *Philosophical Transactions of the Royal Society B*. 370(1676): 20140245.
- Perron, G., Inglis, R., Pennings, P. and **S. Cobey**. 2015. Fighting microbial drug resistance: a primer on the role of evolutionary biology in public health. *Evolutionary Applications*. 8(3):211-222.
- Cobey, S.** 2014. Pathogen evolution and the immunological niche. *Annals of the New York Academy of Sciences* 1320:1-15.
- Cobey, S.** and M. Lipsitch. 2013. Pathogen coexistence through hidden regimes of apparent competition. *American Naturalist* 181(1):12-24.
- Cobey, S.** and M. Lipsitch. 2012. Niche and neutral effects of acquired immunity permit coexistence of pneumococcal serotypes. *Science* 335(6074):1376-1380.
- Flanagan, M., Parrish, C., **Cobey, S.**, Glass, G., Bush, R. and T. Leighton. 2011. Anticipating the species jump: Surveillance for emerging viral threats. *Zoonoses and Public Health* doi:10.1111/j.1863-2378.2011.01439
- Bedford, T., **Cobey, S.** and M. Pascual. 2011. Strength and tempo of selection revealed in viral gene genealogies. *BMC Evolutionary Biology* 11:220.
- Goldstein, E., **Cobey, S.**, Takahashi, S., Miller, J.C., and M. Lipsitch. 2011. Predicting the epidemic sizes of A/H1N1, A/H3N2, and B: a statistical method. *PLoS Medicine* 8(7):e1001051.
- Cobey, S.** and M. Pascual. 2011. Consequences of host heterogeneity, epitope immunodominance, and immune breadth for strain competition. *Journal of Theoretical Biology* 270(1):80-87.
- Cobey, S.**, Pascual, M. and U. Dieckmann. 2010. Ecological factors driving the long-term evolution of influenza's host range. *Proceedings of the Royal Society B* 277(1695):2803-2810.
- Bedford, T., **Cobey, S.**, Beerli, P. and M. Pascual. 2010. Global migrational dynamics underlie evolution and persistence of human influenza A (H3N2). *PLoS Pathogens* 6(5):e1000918.
- Cobey, S.** and K. Koelle. 2008. Capturing escape in infectious disease dynamics. *Trends in Ecology and Evolution* 23(10):572-577.
- Koelle*, K., **Cobey*, S.**, Grenfell, B. and M. Pascual. 2006. Epochal evolution shapes the phylodynamics of interpandemic influenza A (H3N2) in humans. *Science* 314:1898-1903. (*equal authorship)

Other publications

- Cobey, S.** 2018. Repeated vaccination may protect children from influenza infection. *JAMA Network Open* 1(6):e183730.

- Cobey, S.** and P. Wilson. 2018. Characterization of the immunologic repertoire: a quick start guide. *Immunological Reviews* 284(1):5-8.
- Cobey, S.** 2017. Immune evolution: Sick if you do, sick if you don't. *Nature Ecology & Evolution* (News & Views) 1, 1602-1603.
- Baskerville, E. and **S. Cobey**. 2017. Does influenza drive absolute humidity? *PNAS* (Letter) 114(2): E2270-E2271.
- Gilbert, J., Smith, D., Shogun, B., Packman, A., Kelley, S., Landon, E., Bhangar, S., Vora, G., Jones, R., Keegan, K., Stephens, B., Ramos, T., Kirkup, B., Levin, H., Rosenthal, M., Foxman, B., Chang, E., Siegel, J., **Cobey, S.**, An, G., Alverdy, J., Olsiewski, P., Martin, M., Marrs, R., Hernandez, M., Christley, S., Morowitz, M. and S. Weber. 2013. The Hospital Microbiome Project: Meeting Report for the 2nd Hospital Microbiome Project, Chicago, USA, January 15, 2013. *Standards in Genomics* 8(3).
- WHO Writing Group, Ampofo, W., Baylor, N., **Cobey, S.**, Cox, N., Daves, S., Edwards, S., Ferguson, N., Grohmann, G., Hay, A., Katz, J., Kullabutr, K., Lambert, L., Levandowski, R., Mishra, A., Monto, A., Siqueira, M., Tashiro, M., Waddell, A., Wairagkar, N., Wood, J., Zambon, M., Zhang, W. 2012. Improving influenza vaccine virus selection: Report of a WHO informal consultation held at WHO headquarters, Geneva, Switzerland, 14-16 June 2010. *Influenza and Other Respiratory Diseases* 6(2):142-152.
- Cobey, S.** 2005. "Sea lampreys in the Great Lakes." In *Ecological Networks*. J.A. Dunne and M.P. Pascual, eds. (Oxford University Press).

Invited talks

Plenaries, keynotes, & featured talks

- (Postponed) Influenza and Other Infections. University of Tokyo, Japan.
Center for Molecular and Clinical Epidemiology of Infectious Diseases (MAC-EPID)
Symposium. University of Michigan School of Public Health, Ann Arbor. October 2019.
- Bridging Scales: Microbial Eco-Evolutionary Dynamics Across the Space-Time Continuum.
Gulbenkian Science Institute. Lisbon, Portugal. October 2018.
- American Society for Virology Annual Meeting. College Park, Maryland. July 2018.
- ASM Biothreats. Baltimore, Maryland. February 2018.
- Burroughs Wellcome Integrated Training Program. Microbial Systems Models: At the intersection of data and discovery, University of Michigan, Ann Arbor. August 2017.
- Stochasticity and Control in the Dynamics and Diversity of Immune Repertoires. Israeli Institute for Advanced Studies. Jerusalem, Israel. June 2017.
- Viral Genomics and Evolution, Wellcome Genome Campus Scientific Conference. Cambridge, United Kingdom. June 2016.
- Forecasting Evolution? SFB 680 Conference. Lisbon, Portugal. July 2015.
- Microbes in Action! Dynamics of single cells to communities. 113th Meeting of the American Society for Microbiology. Denver, Colorado. May 2013.

Other invited talks

- 2020 (Postponed) Emory University, Atlanta
(Postponed) Delbrück Seminar on Evolution, University of Cologne
École Normale Supérieure, Paris. March.
Systems Biology of Infectious Disease Workshop. Center for Viral Systems Biology,
Scripps Research Institute, La Jolla. February.
Virginia Technical University, Department of Biology. February.
- 2019 U.S. Centers for Disease Control, Atlanta, Georgia. November.

- Bill & Melinda Gates Foundation Expert Consultation on Imprinting in Influenza. Seattle, Washington. November.
- Physical Concepts and Computational Models in Immunology. Ragon Institute, Boston, Massachusetts. September.
- Options X for the Control of Influenza, Singapore. August.
- 2018 University of California, San Diego, Department of Biology. December.
- Hong Kong University School of Public Health. December.
- University of Illinois, Chicago, Department of Microbiology and Immunology. November.
- Institute for Dynamical Modeling. Seattle, Washington. November.
- Towards a New Universal Influenza Vaccine: Lessons from the Great Influenza Pandemic of 1918 to Now. Human Vaccines Project, Sabin Vaccine Institute, Vanderbilt University Medical Center, Burroughs Wellcome Fund, and Sanofi. Nashville, Tennessee. November.
- NIH. Epidemiology and Evolutionary Dynamics of Broadly Cross-protective Influenza Vaccines. Bethesda, Maryland. September.
- Mount Sinai Icahn School of Medicine, Department of Microbiology. June.
- Stanford University, Department of Biology. April.
- University of Idaho, Department of Biology. March.
- University of California, Los Angeles, Department of Ecology & Evolutionary Biology. February.
- 2017 Princeton University, Department of Ecology & Evolutionary Biology. November.
- Infectious Disease Week (IDWeek). Evolution informing infectious diseases, infectious diseases informing evolution. San Diego, California. October.
- Mathematical Virology Satellite Symposium of the American Society of Virology Annual Meeting. Madison, Wisconsin. June.
- Immunology and Evolution of Influenza Symposium. Emory University. May.
- Math+X Simons Foundation Symposium on Immunology and Systems Biology. University of Pennsylvania. May.
- Innovative Approaches to Widening and Deepening Research on the Value of Vaccination. Harvard T.H. Chan School of Public Health. May.
- Harvard T.H. Chan School of Public Health, Department of Immunology & Infectious Disease. April.
- Northwestern University Lurie Children's Hospital, Pathology Grand Rounds. April.
- The value of vaccines in the avoidance of antimicrobial resistance. Chatham House, London. March.
- 2016 Exploring Predictive Models for Improving Influenza Vaccine Virus Selection. Princeton University. July.
- Influenza Immunology: Data, Systems, & Models. Yale University. June.
- New York University, Department of Biology. April.
- 2015 RAPIDD Workshop on Modeling and Predicting Influenza Phenotypes. Cambridge University. March.
- 2014 Ecology and Evolution of Infectious Disease, Center for the Study of Biodiversity in Amazonia. Merida, Mexico. November.
- Jacques Monod Conference: From emerging to pandemic viruses: Interplay between host ecology and viral evolution. Roscoff, France. April.
- 2013 J. Craig Venter Institute. December.
- Swarthmore College, Department of Biology. October.
- Pre-2013 Hong Kong University. Area of Excellence: Control of Pandemic and Inter-Pandemic Influenza. July 2012.

Next-generation Molecular Evolutionary Epidemiology of Infectious Disease Satellite Meeting. Kavli Royal Society International Centre, Buckinghamshire, United Kingdom. May 2012.
Informal Consultation for Improving Influenza Vaccine Virus Selection. WHO, Geneva, Switzerland. June 2010.
Anticipating the Species Jump: Surveillance for Emerging Viral Threats. DTRA and SAIC, McLean, Virginia. December 2009.
Harvard School of Public Health, Department of Epidemiology. May 2007.
Influenza Seasonality Workshop. Center for Infectious Disease Dynamics, Penn State University. October 2006.

Symposia and sessions chaired or co-chaired

Epidemics⁷ International Conference on Infectious Disease Dynamic, Planning Committee. Charleston, South Carolina. December 2019.
LabLinks Symposium on Evolution and Immunity, co-chaired with Alexander Chervonsky. University of Chicago. October 2016.
Special Session on Systems Immunology. Keystone Symposium: The Golden Anniversary of B Cell Discovery (X6). Banff, Canada. March 2015.
RAPIDD Workshop on Modeling and Predicting Influenza Phenotypes. Cambridge University. March 2015.
NESCent Working Group on the Evolution of Human Viruses. Durham, North Carolina. November 2013 – May 2014.
The Evolution and Genetics of Drug Resistance. Congress of the European Society for Evolutionary Biology. Lisbon, Portugal. August 2013.
Anticipating the Species Jump: Surveillance for Emerging Viral Threats. DTRA and SAIC, McLean, Virginia. March 2011.

Contributed talks and posters

NIH High Risk, High Reward Symposium. Bethesda, Maryland. June 2019. (Talk)
Immunological Assays and Correlates of Protection for Next Generation Influenza Vaccines. Siena, Italy. (Poster)
Epidemics⁵. Clearwater Beach, Florida. December 2015. (Talk)
Pneumococci & Pneumococcal Disease Symposium (ISPPD8), Brazil. March 2012. (Talk/Poster)
Epidemics³. Boston, Massachusetts. December 2011. (Talk)
MIDAS Meeting. Atlanta, Georgia. June 2011. (Talk)
Epidemics. Asilomar, California. December 2008. (Poster)
Ecological Society of America Annual Meeting, Milwaukee, Wisconsin. August 2008. (Talk)
Viral Paradigms. Emory University, Atlanta, Georgia. January 2008. (Poster)
Preparedness to the Influenza Pandemic—an International Outlook. St. Petersburg, Russia. March 2007. (Talk)
EcoHealthONE. Madison, Wisconsin. October 2006. (Talk)
Bridging the Scales of Disease Dynamics. Vancouver, B.C. September 2006. (Poster)

Grant support

2019-2026 NIH NIAID Sinai-Emory Multi-Institutional Collaborative Influenza Vaccine Innovation Center (CIVIC). PIs: Krammer and Ahmed
2019-2024 NIH NIAID 1R01AI149747; \$2.5 million; Contact PI with Aubree Gordon

2019-2021	Bill & Melinda Gates Foundation Grand Challenge. PI: Patrick Wilson.
2016-2021	NIH NIAID Centers of Excellence for Influenza Research and Surveillance (CEIRS) subcontract; \$39,000 (2016-7), \$40,500 (2017-8); \$40,500 (2018-9); PIs: John Treanor/David Topham
2014-2019	NIH New Innovator Award DP2AI117921; \$2.1 million; PI: Cobey
2014-2018	James S. McDonnell Complex Systems Scholar Award; \$450,000; PI with co-PI Patrick Wilson
2016	NIH NIGMS Models of Infectious Disease Agent Study (MIDAS) subaward 5U54GM088558; \$42,000; PI: Marc Lipsitch
2013-2015	NSF National Evolutionary Synthesis Center Working Group, “Trends in the evolution of human viruses” (co-PI: Pleuni Pennings)
2014	University of Chicago BIG Ideas Generator Seed Grant; \$12,000; PI with co-PIs Fred Wulczyn and Stefano Allesina
2013	University of Chicago—Argonne Seed Grant; \$75,000; Co-PI with Jack Gilbert
2011-2013	NIH Kirschstein National Research Service Award F32GM097997
2008	Block Grant, Department of Ecology and Evolutionary Biology, U. Michigan
2007	Rackham Graduate Student Research Grant, U. Michigan

Teaching and professional service

Reviews	<i>American Journal of Epidemiology</i> , <i>American Naturalist</i> , <i>BioEssays</i> , <i>Ecology Letters</i> , <i>eLife</i> , <i>Frontiers in Immunology</i> , <i>Genome Medicine</i> , <i>Journal of Infectious Diseases</i> , <i>Journal of Molecular and Genetic Medicine</i> , <i>Journal of the Royal Society Interface</i> , <i>Journal of Theoretical Biology</i> , <i>Molecular Biology & Evolution</i> , <i>Nature</i> , <i>Nature Ecology & Evolution</i> , <i>PLOS Biology</i> , <i>PLOS Computational Biology</i> , <i>PLOS Pathogens</i> , <i>PLOS One</i> , <i>Philosophical Transactions of the Royal Society</i> , <i>PNAS</i> , <i>Proceedings of the Royal Society B</i> , <i>Science</i> , <i>Scientific Reports</i> , <i>Trends in Parasitology</i> , and other journals
Grant reviews	Swiss National Science Foundation UK Biotechnology and Biological Sciences Research Council UK Medical Research Council US-Israel Binational Science Foundation US NIH Modeling and Analysis of Biological Systems (MABS) Study Section (ad hoc, 2017, 2019) US NIH Computational Immunology U01 Study Section (2019)
Editing	Associate Editor, <i>Science Advances</i> (starting May 2020) <i>PLOS Computational Biology</i> (ad hoc, 2019) <i>Immunological Reviews</i> (co-editor of special issue: Characterization of the immunologic repertoire, 2018) <i>eLife</i> (ad hoc, 2017, 2018) <i>PLOS Genetics</i> (ad hoc, 2016) <i>Philosophical Transactions of the Royal Society</i> (co-editor of special issue: Dynamics of antibody repertoires, 2015) <i>Evolutionary Applications</i> (co-editor of special issue: Antimicrobial resistance, 2015)
Doctoral students	Marcos Vieira (2014-present) Frank Wen (2015-2018)

	Sylvia Ranjeva (2013-2018; co-advised with Greg Dwyer)
Doctoral committees	<p>Will Koval, Ecology & Evolution, U. Chicago (2020-present)</p> <p>Katie Dixon, Ecology & Evolution, U. Chicago (2019-present)</p> <p>Haley Dugan, Committee on Immunology, U. Chicago (2018-present)</p> <p>Jiawei Liu, Ecology & Evolution, U. Chicago (2018-present)</p> <p>Carlos Calzada, Ecology & Evolution, U. Chicago (2018-present)</p> <p>Arvind Pillai, Ecology & Evolution, U. Chicago (2016-present)</p> <p>Chris Stamper, Committee on Immunology, U. Chicago (2016-present)</p> <p>Alyson Yee, Committee on Microbiology, U. Chicago (2016-2019)</p> <p>Mauricio Santos-Vega, Ecology & Evolution, U. Chicago (2016-2018)</p> <p>Matthew Michalska-Smith, Ecology & Evolution, U. Chicago (2015-2018)</p> <p>Pamela Martinez, Ecology & Evolution, U. Chicago (2016-2017)</p> <p>Simon Lax, Ecology & Evolution, U. Chicago (2014-2017)</p> <p>Molly Gallagher, Ecology & Evolution, U. Chicago (2013-2017)</p> <p>Colin Kyle, Ecology & Evolution, U. Chicago (2013-2015)</p>
Postdoctoral fellows	<p>Lauren McGough (March 2020-present)</p> <p>Katelyn Gostic (September 2019-present)</p> <p>Phil Arevalo (September 2017-present)</p> <p>Kangchon Kim (April 2017-present)</p> <p>Daniel Zinder (December 2015- June 2017)</p>
Undergraduate students	<p>Elena Whitney (Spring 2020)</p> <p>Rohan Dandavati (Summer 2017)</p> <p>Graham Northrup (Summer 2017)</p> <p>Lev Tsypin (Summer 2015)</p>
Teaching	<p>ECEV 42900: Theoretical Ecology (with Greg Dwyer), 2014-2019</p> <p>BIOS 33365: Evolutionary & Genomic Medicine (with Chung-I Wu), 2015-2019</p> <p>Statistics and Modeling in Infectious Diseases (SISMID) 2.5-day course with Trevor Bedford, University of Washington, 2015-2019</p> <p>MBL Woods Hole Quantitative Bootcamp, 2015-2017</p>
Committees	<p>E&E Search Committees (2018-2019, U. Chicago)</p> <p>E&E Student Advisory Committee (2017-2019, U. Chicago)</p> <p>E&E Population Genetics Search Committee (2016-2017, U. Chicago)</p> <p>E&E Computation Committee (2014-2016, U. Chicago)</p> <p>E&E Graduate Admissions Committee (2013-2014, U. Chicago)</p> <p>Center for Communicable Disease Dynamics representative to the MIDAS Software Sharing and Information Outreach Network (2011-2013, HSPH)</p>
Consulting	<p>PATH (subaward through Harvard School of Public Health), 2014-2018</p> <p>Pfizer (subaward through Harvard School of Public Health), 2014-2016</p>
Public outreach	<p>Interviews on COVID-19 with CBS-2 Chicago, WGN Radio, BBC World Service “The Inquiry”, CNN Tonight with Don Lemon, <i>Chicago Tribune</i>, Fox News Radio Rundown, <i>Nature News</i>, March-April 2020</p> <p>Interview, <i>Chemical and Engineering News</i>, “The Flu Shot and the Egg”, January 2020</p> <p>Interview, Nerdette Podcast, 8 March 2019</p>

Interview, *STAT*, “Flu science points to another culprit when vaccines fail—us,”
29 January 2019

Interview, WBEZ The Morning Shift, 17 January 2018

Interview, PBS NOVA, “Does the flu shot work?” 17 January 2018

<http://www.pbs.org/wgbh/nova/body/flu-shot-work.html>

Interview, *STAT* and *Scientific American*, “‘The problem child of seasonal flu’:
Beware this winter’s virus,” 8 January 2018

Interview, *Scientific American*, “Flu vaccine ‘factories’ create errors that reduce
protection,” 6 November 2017

Interview, NPR Morning Edition, “Inside each flu shot, months of virus tracking
and predictions,” 27 November 2015

Talk, Senior Center, Chicago Cultural Center, 1 September 2015

Quotation, *Chicago Tribune*, “NorthShore University Health System develops
Doppler for disease,” 27 January 2015

Article, “Scientists create accurate predictor of the next flu virus,” *The
Conversation*, February 2014