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**Appointments**

2019- Associate Vice President for Research, University of Utah  
2018-2019 Associate Dean for Research, College of Science, University of Utah  
2016-2018 Associate Dean for Student Affairs, College of Science, University of Utah  
2015- Professor, School of Biological Sciences, University of Utah  
2014-2015 Program Director, Ecosystem Science Cluster, Division of Environmental Biology,  
National Science Foundation  
2012-2015 Associate Professor, Department of Biology, University of Utah  
2012- Adjunct faculty, Dept. of City & Metropolitan Planning, University of Utah  
2012- Adjunct faculty, Ecology Center and Dept. of Landscape Architecture & Environmental  
Planning, Utah State University  
2007-2012 Associate Professor, Dept. of Earth System Science and Dept. of Ecology &  
Evolutionary Biology, University of California, Irvine  
2010-2012 Director, Center for Environmental Biology, School of Biological Sciences,  
University of California, Irvine  
2010-2011 Vice Chair for Undergraduate Programs, Dept. of Earth System Science,  
University of California, Irvine  
2004-2007 Assistant Professor, Dept. of Earth System Science and Dept. of Ecology &  
Evolutionary Biology, University of California, Irvine  
2000-2004 Research Assistant Professor, Department of Biology, University of Utah  
1999-2003 IGBP-GCTE Focus 1 Program Officer, University of Utah  
1998-1999 Post-doctoral Research Associate, Desert Research Institute, Univ. of Nevada

**Education**

1998 Ph.D. Nicholas School of the Environment, Duke University, Durham, NC  
1995 M.S. School of the Environment, Duke University, Durham, NC  
1993 B.A. Barnard College, Columbia University, New York, NY

**Professional Service and Awards***Honors, Fellowships, and Elected offices*

2019-2020 Fulbright Global Scholar  
2019-2021 Vice President for Science, Ecological Society of America  
2019- Fellow, Ecological Society of America  
2019 Albert Shimmins International Fellow, University of Melbourne  
2015-2016 Leopold Leadership Fellow, Stanford Woods Institute of the Environment, Stanford  
University  
2008 James B. Macelwane Medalist, American Geophysical Union  
2008- Fellow, American Geophysical Union  
1996 NASA Earth Science Fellow, Jet Propulsion Laboratory  
1993 Lillian Berle Dare Prize in geography, Barnard College  
1993 Grace Potter Rice Fellowship for graduate study, Barnard College

### *Editorial service*

- 2019-2020 Editor-in-Chief search committee, *Ecological Applications*  
2015- Urban Ecology Chief Specialty Editor, *Frontiers in Ecology and Evolution* and *Frontiers in Sociology*  
2005-2010 Subject Editor, *Global Change Biology*  
2004-2011 Board of Advisors to the Editor, *New Phytologist*

### *Advisory boards and committee memberships*

- 2021- Laboratory Advisory Committee, Pacific Northwest National Lab  
2021- Finance Committee, Ecological Society of America  
2020 Chair, AC-ERE subcommittee on Human Health and the Environment, National Science Foundation  
2020-2021 Long-Term Ecological Research Network (LTER) decadal review committee, National Science Foundation  
2020 Reviewer, Stories of the Nature of Cities fiction competition  
2019- Scientific Committee, PhillnBioMed, Institute for Philosophy in Biology and Medicine  
2019- Chair, Science Committee, Ecological Society of America  
2018- Institutional Leadership Panelist, DOE Joint Center for Energy Storage Research  
2018- External Advisory Board, Boston University Graduate Program in Urban Biogeoscience & Environmental Health  
2018- Meetings Committee, Ecological Society of America  
2018- Advisory Committee for Environmental Research and Education (AC-ERE), National Science Foundation  
2017- Biological Sciences Advisory Committee (BIO AC), National Science Foundation  
2017-2018 Steering Committee, Stories of the Nature of Cities fiction competition  
2017- Macelwane Medal selection committee, American Geophysical Union  
2016- College of Fellows Task Force, American Geophysical Union  
2013-2015 Biogeosciences Fellows selection committee, American Geophysical Union  
2012-2014 Urban Ecology Working Group, National Ecological Observatory Network  
2012-2014 Water Science Software Institute Steering Committee  
2012-2013 Sustained Land Imaging Program committee, National Research Council  
2012 Chair, Joint SDSU-UCSB Doctoral Program in Geography Review Committee  
2011-2012 Founding Director, Steele Burnand Anza Borrego Desert Research Center  
2011-2017 Board of Scientific Counselors, U.S. Environmental Protection Agency  
2010-2013 Science Committee, Ecological Society of America  
2009-2010 Energy Sustainability subcommittee, U.S. Dept. of Energy, Biological and Environmental Research Strategic Planning Committee  
2008 Board Member, Santa Ana College USDA Partnership for Transfer Success  
2008 Site reviewer, NSF Baltimore Long-Term Ecological Research site  
2008-2011 Carbon Cycle Scientific Steering Group, U.S. Climate Change Science Program  
2008-2009 User working group, Carbon Dioxide Information Analysis Center (CDIAC)  
2008-2011 Natural Reserve Systemwide Committee, University of California  
2007-2009 Membership Committee, University Corporation for Atmospheric Research  
2007 Lead Author, U.S. Climate Change Science Program Synthesis and Assessment Product 2.2, State of the Carbon Cycle Report, Chapter 14: Human Settlements  
2006-2010 Ecohydrology Executive Committee, American Geophysical Union  
2000-2010 Steering Committee, Biosphere-Atmosphere Stable Isotope Network (BASIN)

2000-2005 Steering Committee, Terrestrial Ecosystem Responses to Atmospheric and Climatic Change (TERACC) network

#### *Conferences and Events*

- 2020 Local host chair, 105<sup>th</sup> Ecological Society of America annual meeting, August 2020, Salt Lake City, UT.
- 2019 Steering committee, "The Nature of Cities Summit", Paris, France, June 4-6, 2019.
- 2017 Planning committee, Joint Ameriflux and North American Carbon Program Principal Investigators Meeting, March 2017, Washington, DC, USA.
- 2012 Co-organizer, "Ecological monitoring and research to support adaptive management of Orange County open space." January 27, 2012, Irvine, CA, USA.
- 2005 Co-organizer, "Non-steady state isotopic enrichment of leaf water" Dec. 4, 2005, San Francisco, CA.
- 2005 Steering committee, "Modeling ecosystem responses to global change: Techniques and recent advances" January 9-12, 2005, Fort Meyers Fl, USA
- 2004 Co-organizer, "Oxygen isotopes as a tracer linking global O<sub>2</sub>, CO<sub>2</sub>, and H<sub>2</sub>O cycles." September 19-22, 2004, Marshall, California, USA.
- 2004 Co-organizer, "Carbon Respiration from terrestrial ecosystems: Reducing uncertainties in the role played by respiration in the global carbon cycle." January 21-24, 2004, Laguna Beach, California, USA.
- 2003 Steering committee, "Interactions between increasing CO<sub>2</sub> and temperature in terrestrial ecosystems." April 27-30, 2003, Lake Tahoe, California, USA.
- 2002 Co-organizer, "CO<sub>2</sub> and water: The biosphere-atmosphere-hydrosphere loop driven by plant responses to CO<sub>2</sub> enrichment." Aug. 17-20, 2002, Basel, Switzerland.
- 2002 Steering committee, "Biological controls on the stable isotope composition of atmospheric carbon dioxide, methane and nitrous oxide: processes and applications." May 12-14, 2002, Banff, Canada.
- 2002 Steering committee, "From transient to steady state responses of ecosystems to CO<sub>2</sub> enrichment and global warming." April 28-May, 2002, Durham, NH, USA.
- 2001 Co-organizer, "Tracing carbon in elevated CO<sub>2</sub> experiments: a workshop on isotopic analyses of where the carbon is going." Oct. 19-21, 2001, Durham, NC, USA
- 2001 Co-organizer, "Progressive nitrogen limitation of plant and ecosystem responses to elevated CO<sub>2</sub>." May 10-12, 2001, Santa Barbara, CA, USA.
- 2000 Steering committee, "FACE 2000 conference." June 25-30, 2000, Tsukuba, Japan.

#### *Memberships*

Ecological Society of America

American Geophysical Union

American Association for the Advancement of Science

#### **Peer-reviewed Publications** (lab members in bold)

135. **Pataki DE**, Santana CG, Hinnert SJ, Felson AJ, Engebretson J. 2021. Ethical considerations of urban ecological design and planning experiments. *Plants, People, Planet*, In press.
134. Shah J, Bares R, Bowen B, Bowen G, Eiriksson, Hallar AG, Horel J, Hinnert S, Jamison L, Lin J, **Pataki D**, Skiles SM, **Smith R**, Wolf M, Brooks P. The Wasatch Environmental Observatory: A mountain to urban research network in the semi-arid Western U.S. 2021. *Hydrologic Processes*, In press.

133. **Pataki DE**, Alberti M, Cadenasso ML, Felson AJ, McDonnell MJ, Pincetl S, Pouyat R, Setälä H, Whitlow. 2021. The benefits and limits of urban tree planting for environmental and human health. *Frontiers in Ecology and Evolution* 9, 603757.
132. Livesley SJ, Marchionni V, Cheung PK, Daly E, **Pataki DE**. 2021. Water smart cities increase irrigation to provide cool refuge in a climate crisis. *Earth's Future* 9(1), e2020EF001806.
131. **Gómez-Navarro C**, **Pataki DE**, Pardyjak ER, Bowling DR. 2021. Effects of vegetation on the spatial and temporal variation of microclimate in the urbanized Salt Lake Valley. *Agricultural and Forest Meteorology* 296, 108211.
130. **Grijseels NH**, Buchert PD, Brooks PD, **Pataki DE**. 2021. Using LiDAR to assess transitions in riparian vegetation structure along a rural to urban gradient. *Ecohydrology* 14(1), e2259.
129. Levia DF, Creed IF, Hannah DM, Nanko K, Boyer WE, Carlyle-Moses DE, van de Giesen N, Grasso D, Guswa AJ, Hudson JE, Hudson SA, Lida S, Jackson SB, Katul GG, Kumagai T, Llorens P, Ribeiro FL, **Pataki DE**, Peters CA, Sanchez Carretero D, Selker JS, Tetzlaff D, Zalewski M, Bruen M. 2020. Homogenization of the terrestrial water cycle. *Nature Geoscience* 13: 656-658.
128. Diffenbaugh NS, Field CB, Appel EA, Azevedo IL, Baldocchi DD, Burke M, Burney JA, Ciais P, David SJ, Fiore AM, Fletcher SM, Hertel TW, Horton DE, Hsiang SM, Jackson RB, Jin X, Levi M, Lobell DB, McKinley GA, Moore FC, Montgomery A, Nadeau KC, **Pataki DE**, Randerson JT, Reichstein M, Schnell JL, Seneviratne SI, Singh D, Steiner A, Wong-Parodi G. 2020. The COVID-19 lockdown: a window into the Earth System. *Nature Reviews Earth & Environment* 1: 470-481.
127. Engebretson JM, Nelson KC, Ogden LA, Larson KL, Grove JM, Hall SJ, Locke DH, **Pataki DE**, Chowdhury RR, Trammell TLE, Groffman PM. 2020. How the nonhuman world influences homeowner yard management in the American Residential Macrosystem. *Human Ecology* 48: 347-356.
126. Guswa AJ, Tetzlaff D, Selker JS, Carlyle-Moses DE, Boyer EW, Bruen M, Cayuela C, Creed IF, van de Giesen N, Grasso D, Hannah DM, Hudson JE, Hudson SA, Lida S, Jackson RB, Katul GG, Kumagai T, Llorens P, Ribeiro FL, Michaelzik B, Nanko K, Oster C, **Pataki DE**, Peters CA, Rinaldo A, Carretero DS, Trifunovic B, Zalewski M, Haagsma M, Levia DF. 2020. Advancing ecohydrology in the 21st century: A convergence of opportunities. *Ecohydrology* 13: e2208.
125. **Trammell TLE**, **Pataki DE**, Pouyat RV, Rosier C, **Avolio ML**, Bettez M, Cavender-Bares J, Groffman PM, Grove M, Hall S, Heffernan J, Hobbie SE, Larson KL, Morse JL, Neill C, Nelson KC, Ogden LA, O'Neil-Dunne J, Polsky C, Roy Chowdhury RR, Steele M, Wheeler MM. 2020. Urban soil carbon and nitrogen converge at a continental scale. *Ecological Monographs* 90(2): e01401.
124. **Avolio M**, **Pataki DE**, Jenerette GD, Pincetl S, Clarke LW, Cavender-Bares J, Gillespie TW, Larson KL, McCarthy HR, Trammell TLE. 2020. Urban plant diversity in Los Angeles, California: Species and functional type turnover in cultivated landscapes. *Plants People Planet* 2(2): 144-156.
123. Cubino JP, Avolio ML, Wheeler MM, Larson KL, Hobbie SE, Cavender-Bares J, Hall SJ, Nelson KC, Trammell TLE, Neill C, **Pataki DE**, Grove JM, Groffman PM. 2020. Linking yard plant diversity to homeowners' landscaping priorities across the U.S. *Landscape and Urban Planning* 196: 103730.
122. **Pataki DE**. 2019. On the definition of cultivated ecology. *Philosophical Topics* 47(1): 181-201.
121. **Gómez-Navarro C**, **Pataki DE**, Bowen GJ, Oerter EJ. 2019. Spatiotemporal variability in water sources of urban soils and trees in the semiarid, irrigated Salt Lake Valley. *Ecohydrology* 12(8): e2154.
120. **Cobley LAE**, **Pataki DE**. 2019. Vehicle emissions and fertilizer impact the leaf chemistry of urban

- trees in Salt Lake Valley, UT. *Environmental Pollution* 254, doi.org/10.1016/j.envpol.2019.112984.
119. Cubino JP, Cavendar-Bares J, Hobbie SE, **Pataki DE**, Avolio ML, Darling LE, Larson KL, Hall SJ, Groffman PM, Trammell TLE, Steele MK, Grove JM, Neill C. 2019. Drivers of plant species richness and phylogenetic composition in urban yards at the continental scale. *Landscape Ecology* 34(1):63-77, doi.org/10.1007/s10980-018-0744-7.
118. **Trammell TLE**, **Pataki DE**, Still CJ, Ehleringer JR, Avolio ML, Bettez N, Cavender-Bares J, Groffman PM, Grove M, Hall SJ, Heffernan J, Hobbie SE, Larson KL, Morse JL, Neill C, Nelson KC, O'Neil-Dunne J, Pearse WD, Chowdhury RR, Steele M, Wheeler MM. 2019. Biophysical and social factors control C4 plant distribution in residential lawns across seven U.S. cities. *Ecological Applications* 29 (4): e01884, doi.org/10.1002/eap.1884.
117. Pincetl S, Gillespie TW, **Pataki DE**, Porse E, Jia S, Kidera E, Nobles N, Rodriguez J, **Choi D**. 2019. Evaluating the effects of the turf-replacement programs in Los Angeles. *Landscape and Urban Planning* 185: 210-221.
116. Pincetl S, Porse E, Mika KB, **Litvak E**, Manago KF, Hogue TS, Gillespie T, **Pataki DE**, Gold M. 2019. Adapting urban water systems to manage scarcity in the 21<sup>st</sup> century: The case of Los Angeles. *Environmental Management* 63(3): 293:308.
115. Eisenman TS, Churkina G, Jariwala SP, Kumar P, Lovasi GS, **Pataki DE**, Weinberger KR, Whitlow TH. 2019. Urban trees, air quality, and asthma: An interdisciplinary review. *Landscape and Urban Planning* 187: 47-59.
114. **Cobley LAE**, **Pataki DE**, McCarthy HR, Martin SA, Ehleringer JR. 2018. Housing age and affluence influence plant and soil nitrogen and carbon cycles in two semi-arid cities. *JGR Biogeosciences* 123(10): 3178-3192, doi/10.1029/2018JG004424
113. Lin JC, Mitchel L, Cros E, Mendoza D, Buchert M, Bares R, Fasoli B, Bowling DR, **Pataki DE**, Catharine D, Strong C, Gurney K, Patarasuk R, Baasandorj M, Jackques A, Hoch S, Horel J, Ehleringer JR. 2018. CO<sub>2</sub> and carbon emissions from cities: Linkages to air quality, socioeconomic activity and stakeholders in the Salt Lake City urban area. *Bulletin of the American Meteorological Society*, doi.org/10.1175/BAMS-D-17-0037.1
112. Ward EJ, Oren R, Kim HS, Kim D, Torngern P, Ewers PE, McCarthy HR, Oishi AC, **Pataki DE**, Palmroth S, Phillips NG, Schäfer KVR. 2018. Evapotranspiration and water yield of a pine-broadleaf forest are not altered by long-term atmospheric CO<sub>2</sub> enrichment under native or enhanced soil fertility. *Global Change Biology* 24(10):4841-4856.
111. **Smith RM**, Williamson JC, **Pataki DE**, Ehleringer JR, Dennison P. 2018. Soil carbon and nitrogen accumulation in residential lawns of the Salt Lake Valley, Utah. *Oecologia* 187(4): 1107-1118, doi.org/10.1007/s00442-018-4194-3.
110. Porse E, Mika KB, **Litvak E**, Manago KF, Hogue TS, Gold M, **Pataki DE**, Pincetl S. 2018. The economic value of local water supplies in Los Angeles. *Nature Sustainability* 1: 289-297.
109. Roman LA, Pearsall H, Eisenman TS, Conway TM, Fahey RT, Landry S, Vogt J, van Doorn NS, Grove JM, Locke DH, Bardekjian AC, Battles JJ, Cadenasso ML, van den Bosch CCK, Avolio ML, Berland A, Jenerette GC, Mincey SK, **Pataki DE**, Staudhammer C. 2018. Human and biophysical legacies shape contemporary urban forests: A literature synthesis. *Urban Forestry & Urban Greening* 31: 157-168.
108. Blaszcak JR, Steele MK, Badgley BD, Heffernan JB, Hobbie SE, Morse JL, Rivers EN, Hall SJ, Neill C, **Pataki DE**, Groffman PM, Bernhardt E. 2018. Sediment chemistry of urban stormwater ponds and controls on denitrification. *Ecosphere* 9(6): e01318.

107. Locke DH, **Avolio ML**, **Trammell TLE**, Chowdhury RR, Grove MJ, Rogan J, Martin DG, Bettez N, Cavendar-Bares J, Groffman PM, Hall SJ, Heffernan JB, Hobbie SE, Larson KL, Morse JL, Neill C, Ogden LA, O'Neil-Dunne JPM, **Pataki DE**, Pearse WD, Polsky C, Wheeler MM. 2018. A multi-city comparison of front and backyard differences in plant species diversity and nitrogen cycling in residential landscapes. *Landscape and Urban Planning* 178: 102-111.
106. Pearse WD, Bares-Cavender J, Hobbie SE, **Avolio ML**, Bettez N, Roy Chowdhury R, Darling LE, Groffman PM, Grove M, Hall SJ, Heffernan JB, Learned J, Neill C, Nelson KC, **Pataki DE**, Ruddell BL, Steele MK, **Trammell TLE**. 2018. Homogenization of plant diversity, composition, and structure in North American urban yards. *Ecosphere* 9(2):e02105.
105. Mitchell LE, Lin JC, Bowling DR, **Pataki DE**, Strong C, Schauer AJ, Bares R, Bush SE, Stephens BB, Mendoza D, Mallia D, Holland L, Gurney KR, Ehleringer JR. 2018. Long-term urban carbon dioxide observations reveal spatial and temporal dynamics related to urban characteristics and growth. *PNAS* 114(12):2912-2917.
104. **Avolio ML**, **Pataki DE**, **Trammell TLE**, Endter-Wada J. 2018. Biodiverse cities: The nursery industry, homeowners, and neighborhood differences drive urban tree composition. *Ecological Monographs* 88(2):259-276.
103. Raczka B, Biraud SC, Ehleringer JR, Lai C, Miller JB, **Pataki DE**, Saleska S, Torn MS, Vaughn BH, Wehr R, Bowling DR. 2017. Does vapor pressure deficit drive the seasonality of  $\delta^{13}\text{C}$  of the net land-atmosphere  $\text{CO}_2$  exchange across the United States? *JGR Biogeosciences* 122(8): 1969-1987, doi: 10.1002/2017JG003795.
102. Porse E, Kathryn MB, **Litvak E**, Manago K, Naik K, Glickfield M, Hogue TS, Gold M, **Pataki DE**, Pincetl S. 2017. Optimization of local water supply in Los Angeles: Urban water systems analysis with institutional complexity. *Journal of Water Resources Planning and Management* 143(9):04017049.
101. **Litvak E**, Manago KF, Hogue TS, **Pataki DE**. 2017. Evapotranspiration of urban landscapes in Los Angeles, California at the municipal scale. *Water Resources Research* 53 doi:10.1002/2016WR020254.
100. Groffman PM, Avolio M, Cavender-Bares J, Bettez ND, Grove JM, Hall SJ, Hobbie SE, Larson KL, Lerman SB, Locke DH, Heffernan JB, Morse JL, Neill C, Nelson KC, O'Neil-Dunne J, **Pataki DE**, Polsky C, Chowdhury RR, **Trammell TLE**. 2017. Ecological homogenization of residential macrosystems. *Nature Ecology and Evolution* 1, 0191 doi:10.1002/2017JG003795.
99. Wheeler MM, Neill C, Groffman PM, **Avolio M**, Bettez N, Cavender-Bares J, Chowdhury RR, Darling L, Grove JM, Hall SJ, Heffernan JB, Hobbie SE, Larson KL, Morse JL, Nelson KC, Ogden LA, O'Neil-Dunne J, **Pataki DE**, Polsky C, Steele M, Trammell TLE. 2017. Continental-scale homogenization of residential lawn communities. *Landscape and Urban Planning* 165: 54-63.
98. **Litvak E**, McCarthy HR, **Pataki DE**. 2017. A method for estimating transpiration of irrigated urban trees in California. *Landscape and Urban Planning* 158: 48-61.
97. Groffman PM, Cadenasso ML, Cavendar-Bares J, Childers DL, Grimm NB, Grove JM, Hobbie SE, Hutrya LR, Jenerette GD, McPhearson T, **Pataki DE**, Pickett STA, Pouyat RV, Rosi-Marshall E, Ruddell BL. 2017. Moving towards a new urban systems science. *Ecosystems* 20:38.
96. Gillespie TW, de Goede J, Aguilar L, Jenerette GD, Fricker GA, Avolio ML, Pincetl S, Johnston T, Clarke LW. **Pataki DE**. 2017. Predicting tree species richness in urban forests. *Urban Ecosystems* doi:10.1007/s11252-016-0633-2.
95. Jenerette GD, Clarke LW, Avolio ML, **Pataki DE**, Gillespie TW, Pincetl S, Nowak DJ, Hutrya LR,

- McHale M, McFadden JP, Alonzo M. 2016. Climate tolerances and trait choices shape continental patterns of urban tree biodiversity. *Global Ecology and Biogeography* 25(11):1367-1376.
94. **Litvak E, Pataki DE**. 2016. Evapotranspiration of urban lawns in a semi-arid environment: an in situ evaluation of microclimatic conditions and watering recommendations. *Journal of Arid Environments* 135: 87-96.
93. **Trammell TLE, Pataki DE**, Cavendar-Bares J, Groffman PM, Hall SJ, Heffernan JB, Hobbie SE, Morse JL, Neill C, Nelson KC. 2016. Plant N concentration and isotopic composition in residential lawns across seven U.S. cities. *Oecologia* 181(1):271-285.
92. Larson KL, Nelson KC, Samples SR, Hall SJ, Bettez N, Carender-Bares J, Groffman PM, Grove M, Heffernan JB, Hobbie SE, Learned J, Morse JL, Neill C, Ogden LA, O'Neil-Dunne J, **Pataki DE**, Polsky C, Chowdhury RR, Steele M, **Trammell TLE**. 2016. Ecosystem services in managing residential landscapes: priorities, value dimensions, and cross-regional patterns. *Urban Ecosystems* 19: 95-113.
91. Groffman PM, Grove JM, Polsky C, Bettez ND, Morse JL, Cavendar-Bares J, Hall SJ, Heffernan JB, Hobbie SE, Larson KL, Neill C, Nelson K, Ogden L, O'Neil-Dunne, **Pataki DE**, Chowdhury R, Locke DH. 2016. Satisfaction, water and fertilizer use in the American residential macrosystem. *Environmental Research Letters* 11: 03004
90. Hall SJ, Learned J, Ruddell B, Larson KL, Cavender-Bares J, Bettez N, Groffman PM, Grover JM, Heffernan JB, Hobbie SE, Morse JL, Neill C, Nelson KC, O'Neil-Dunne JPM, Ogden L, **Pataki DE**, Pearse WD, Polsky C, Chowdhury RR, Steele MK, **Trammell TLE**. 2016. Convergence of microclimate in residential landscapes across diverse cities in the United States. *Landscape Ecology* 31: 101-117.
89. **Avolio ML, Pataki DE**, Gillespie TW, Jenerette GD, McCarthy HR, Pincetl S, Weller-Clarke L. 2015. Tree biodiversity in southern California's urban forest: The interacting roles of social and environmental variables. *Frontiers in Ecology and Evolution* 3, 00073.
88. **Pataki DE**. 2015. Grand challenges in urban ecology. *Frontiers in Ecology and Evolution* 3:57. doi: 10.3389/fevo.2015.00057
87. Schwarz K, Fragkias M, Boone CG, Zhou W, McHale M, Grove JM, O'Neil-Dunne J, McFadden JP, Buckley GL, Childers D, Ogden L, Pincetl S, **Pataki DE**, Whitmer A, Cadenasso ML. 2015. Trees grow on money: Urban tree canopy cover and environmental justice. *PLOS ONE*, doi: 10.1371/journal.pone.0122051
86. **Hale RL**, Armstrong A, Baker MA, Bedingfield S, Betts D, Buahin C, Buchert M, Crowl T, Dupont RR, Ehleringer JR, Endter-Wada J, Flint C, Grant J, Hinners S, Horsburgh, JS, Jackson-Smith D, Jones AS, Licon C, Null SE, Odame A, **Pataki DE**, Rosenberg D, Runburg M, Stoker P, Strong C. 2015. ISAW: Integrating Structure, Actors, and Water to study socio-hydro-ecological systems. *Earth's Future* 3(3): 110-132.
85. Tanner CJ, Adler FR, Grimm NB, Groffman PM, Levin SA, Munshi South J, **Pataki DE**, Pavao-Zuckerman M, Wilson WG. 2014. Urban ecology: Advancing science and society. *Frontiers in Ecology and the Environment* 12(10):574-581.
84. Riordan EC, Gillespie TW, Pitcher L, Pincetl S, Jenerette GD, **Pataki DE**. 2015. Threats of future climate change and land use to vulnerable species native to Southern California. *Environmental Conservation* 42(2): 1-12.
83. **Avolio ML, Pataki DE**, Pincetl S, Gillespie TW, Jenerette GD, McCarthy HR. 2015. Understanding preferences for tree attributes: the relative effects of socio-economic and local environmental factors. *Urban Ecosystems* 18(1):73-86.

82. **Bijoor NS, Pataki DE**, Haver D, Famiglietti JS. 2014. A comparative study of the water budgets of lawns under three management scenarios. *Urban Ecosystems* 17(4):1095-1117.
81. Polsky C, Grove JM, Knudson C, Groffman PM, Bettez N, Cavendar-Bares J, Hall SJ, Heffernan JB, Hobbie SE, Larson KL, Morse JL, Neill C, Nelson KC, Ogden LA, O'Neil-Dunne, **Pataki DE**, Chowdhury RR, Steele MK. 2014. Assessing the homogenization of urban land management with an application US residential lawn care. *PNAS* 111(12):4432-4437.
80. **Pataki DE**, Jenerette GD, Pincetl S, **Trammell TLE**, **Ervin L**. 2014. Urban Ecosystems. *In: Ecosystems of California – A Source Book*. Mooney HA, Zavaleta ES, Eds. University of California Press.
79. **Wang W**, Haver D, **Pataki DE**. 2014. Nitrogen budgets of urban lawns under three different management regimes in southern California. *Biogeochemistry* 121(1):127-148.
78. **Litvak E, Bijoor NS, Pataki DE**. 2014. Adding trees to irrigated turfgrass lawns may be a water-saving measure in semi-arid environments. *Ecohydrology* 7(5):1314-1330.
77. Steele MK, Heffernan JB, Bettez N, Cavendar-Bares J, Groffman PM, Grove M, Hall S, Hobbie SE, Larson K, Morse JL, Neill C, Nelson KC, O'Neil-Dunne J, Ogden L, **Pataki DE**, Polsky C, Chowdhury RR. 2014. Convergent surface water distributions in U.S. cities. *Ecosystems* 17(4): 685-697.
76. Groffman PM, Cavendar-Bares J, Bettez ND, Grove JM, Hall SJ, Heffernan JB, Hobbie SE, Larson KL, Morse JL, Neill C, Nelson K, O'Neil-Dunne J, Ogden L, **Pataki DE**, Polsky C, Chowdhury RR, Steele MK. 2014. Ecological homogenization of urban USA. *Frontiers in Ecology and the Environment* 12(1): 74-81.
75. **Townsend-Small A, Pataki DE**, Liu H, Li Z, Wu Q, Thomas B. 2013. Increasing summer river discharge in southern California, USA linked to urbanization. *Geophysical Research Letters* 40(17): 4643-4647.
74. Jenerette GD, Miller G, Buyantuyev A, **Pataki DE**, Gillespie T, Pincetl S. 2013. Urban vegetation dynamics and income segregation in drylands: A synthesis of seven metropolitan regions in the southwestern United States. *Environmental Research Letters* 8: 044001.
73. **Townsend-Small A**, Tyler SC, **Pataki DE**, Xu X, Christensen LE. 2013. Isotopic measurements of atmospheric methane in Los Angeles, California, USA reveal the influence of "fugitive" fossil fuel emissions. *JGR Atmospheres* 117: 10.1029/2011JD016826.
72. Pincetl S, Prabhu S, Gillespie TW, Jenerette GD, **Pataki DE**. 2013. Evolution of tree nursery offerings and the cultivated urban forest of Los Angeles. *Landscape and Urban Planning* 118:10-17.
71. **Pataki DE, McCarthy HR**, Gillespie T, Jenerette GD, Pincetl S. 2013. A trait based ecology of the Los Angeles urban forest. *Ecosphere* 4:art72.
70. Pincetl S, Gillespie TW, **Pataki DE**, Saatchi S, Saphores J-D. 2013. Urban tree planting programs, function or fashion? Los Angeles and urban tree planting campaigns. *GeoJournal*, 78(3):475-493
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1. Katul G, Todd P, **Pataki DE**, Kabala ZJ, Oren R. 1997. Soil water depletion by oak trees and the influence of root water uptake on the moisture content spatial statistics. *Water Resources Research* 33(4):611-623.

### Other publications

Blog at <http://greeningscience.info>

**Pataki DE**. 2021. Ecosystem disservices of urban nature. *In* *Routledge Handbook of Urban Ecology*, 2<sup>nd</sup> Edition, Anderson P, Douglas I, Goode D, Houck M, Maddox M, Nagendra H, Yok TP, Eds. In press.

Tsur N, Yanez M, **Pataki DE**, Schoonmaker P, Currie P. 2020. We need an ethical code for water. *The Nature of Cities*, November 2020.

**Pataki DE**. 2018. Socioecological science is failing cities. The humanities can help. *The Nature of Cities*, March 24, 2018.

**Pataki DE**. 2017. Is green the new flying car? A visit to the World's Fairs of 1964 and 2064. *The Nature of Cities*, June 14, 2017.

**Pataki DE**, Hinners S, Rothfeder R. 2016. Wouldn't it be better if ecologists and planners talked to each other more? *The Nature of Cities*, November 9, 2016.

**Pataki DE**, Pincetl S. 2015. Is there room for ornamentals in the gardens of "New" California? *The Nature of Cities*, June 23, 2015.

Whitlow TH, **Pataki DE**, Alberti M, Pincetl S, Setälä H, Cadenasso M, Felson A, McComas K. 2014. Comments on "Modeled PM2.5 removal by trees in ten U.S. cities and associated health effects" by Nowak et al. (2013). *Environmental Pollution* 191:256 and 191:258-259.

**Pataki DE**. 2013. Parks 2050: Growing food, curbing floods, cleaning air. *BBC Future Blog*, <http://www.bbc.com/future/story/20131115-green-wonder-your-park-in-2050>.

**Pataki DE**, Alberti M, Cadenasso ML, Felson AJ, McDonnell MJ, Pincetl S, Pouyat RV, Setälä H, Whitlow TW. 2013. City trees: Urban greening needs better data. *Nature* 502: 624.

### Conference and invited presentations

- The Nature of Cities Festival (invited), February 2021
- Google Lab (invited), October 2020
- Colorado State University (invited), October 2020
- Ecological Society of America meeting (invited), virtual conference, August 2020
- Cooling the City Masterclass (keynote), Penrith, Australia, February 2020
- Monash University (invited), Melbourne, Australia, January 2019
- University of Melbourne (invited), Parkville, Australia, December 2019
- Ecological Society of America meeting (keynote), Louisville, KY, August 2019
- The Nature of Cities Summit (keynote), Paris, France, June 2019
- University of Colorado (invited), Boulder, CO, April 2019
- Boston University (invited), Boston, MA, October 2018
- Ecological Society of America meeting (invited), New Orleans, LA, August 2018.
- American Geophysical Union meeting (invited), New Orleans, LA, December 2017
- Barnard College (invited), New York, NY, November 2017

- Smith College (invited), Northampton, MA, September, 2017
- Ecological Society of America meeting (invited), Portland, OR, August 2017
- Central Arizona Project Long-Term Ecological Research site All Hands Meeting (keynote), Arizona State University, January 2017
- 2<sup>nd</sup> International Conference on Urban Tree Diversity (keynote), Melbourne, Australia, Feb. 2016
- American Geophysical Union fall meeting (invited), San Francisco, CA, December 2015
- Smithsonian Environmental Research Center (invited), Edgewater, MD, November 2015
- Ecological Society of America meeting (invited), Baltimore, MD, August 2015
- Front Range Student Ecology Symposium (keynote), Fort Collins, CO, February 2015
- NSF Water Sustainability and Climate program meeting, Arlington, VA, February 2015
- Florida A&M University (invited), Tallahassee, FL, March 2014
- Arizona State University (invited), Tempe, AZ, February 2014
- National Science Foundation, Water Sustainability and Climate program meeting, Washington DC, January 2014
- American Geophysical Union fall meeting (invited), San Francisco, CA December 2013
- Yale University (invited), New Haven, CT, November 2013
- American Society of Landscape Architects meeting (invited) November 2013
- Ecological Society of America meeting (invited), Minneapolis, MN, August 2013
- "Ecosystem Services of Urban Forestry" workshop, National Academy of Sciences (invited), Washington, DC, February 2013
- American Geophysical Union fall meeting (invited), San Francisco, CA December 2012
- "Multidisciplinary water science: Linking social, physical, computational and ecological approaches to sustainable water resources", Utah State University (invited), April 2012
- American Geophysical Union fall meeting (invited), San Francisco, CA December 2011
- UK Royal Horticultural Society, John McLeod Annual Lecture (invited), London, November 2011
- Ecological Society of American meeting (invited), Austin, TX, August 2011
- Stanford University, Dept. of Environmental Earth System Science (invited), May 2011
- University of Utah, Global Change and Ecosystem Center (invited), April 2011
- UCLA, Institute of the Environmental and Sustainability (invited), February 2011
- American Geophysical Union fall meeting (invited), December 2010
- ACES conference: A Community of Ecosystem Services (invited), December 2010
- UCLA, Dept. of Ecology & Evol. Biology (invited), October 2010
- Ecological Society of America meeting (invited), Pittsburgh, PA, August 2010
- UC Irvine Discover the Physical Sciences Breakfast Lecture (invited), May 2010
- UCLA, Dept. of Geography (invited), April 2010
- MillionTreesNYC, Green Infrastructure, and Urban Ecology: A research symposium (invited), New York City, March 2010
- Atmospheric Sciences Symposium, UC Berkeley (keynote), February 2010
- American Geophysical Union fall meeting (invited), December 2009
- UC Irvine Allergan Lecture, October, 2009
- AGU Chapman Conference: Examining Ecohydrological Feedbacks of Landscape Change Along Elevation Gradients in Semiarid Regions (invited), Sun Valley, ID October, 2009
- National Science Foundation Environmental Research and Education (ERE) committee presentation (invited), September 2009
- Ecological Society of America meeting (Recent advances keynote address), Albuquerque, NM, August 2009
- Ecological Society of America Congressional Briefing (invited), U.S. Congress, Washington DC,

July 2009

- University of Maryland, Baltimore County (invited), February 2009
- American Geophysical Union meeting (invited), San Francisco, CA, December 2008
- Arizona State University, Tempe, AZ (invited), September 2008
- California Energy Commission Climate Change conference (invited), Sacramento, CA Sept. 2008
- Oxford University (invited), Oxford, UK, July 2008
- Center for Urban Horticulture, UC Davis (invited), May 2008
- Isoscapes Conference (invited), Santa Barbara, CA, April 2008
- University of Illinois (invited), Chicago, IL, April 2008
- Northeast Section of the American Society of Plant Biologists (keynote), Storrs, CT, April 2008
- San Diego State University (invited), March 2008
- National Center for Ecological Analysis and Synthesis (invited), January 2008
- American Geophysical Union meeting, San Francisco, CA, December 2007
- Cornell University (invited), November 2007
- Ecological Society of America meeting, San Jose, CA, August 2007
- Cites and Global Climate Change Conference (invited), Irvine, CA April 2007
- Stanford University (invited), Palo Alto, CA, February 2007
- American Geophysical Union meeting, San Francisco, CA, December 2006
- IUFRO Canopy Processes workshop: Regional forest responses to environmental change (invited), Northeastern U.S., October 2006.
- 3<sup>rd</sup> Annual California Energy Commission Climate Change Conference, September 2006
- Global Carbon Project Conference: Carbon Management at Urban and Regional Levels - Connecting Development Decisions to Global Issues, Mexico City, September 2006
- Isotopes as Tracers of Ecological Change, Tomar, Portugal, March 2006
- University of New Hampshire (invited), Durham, NC, February 2006
- University of California, Riverside (invited), January 2006
- American Geophysical Union meeting, San Francisco, CA, December 2005
- CSIRO, Australia (invited), April 2005
- 11<sup>th</sup> Annual U.S.-Japan Workshop on Global Change (invited), Yokohama, Japan 2005
- University of Illinois, Urbana-Champaign (invited), March 2005
- California State University, Los Angeles (invited), February 2005
- Ecological Society of America meeting, Montreal, Canada, August 2005
- 21st Conference on Weather Analysis and Forecasting/17th Conference on Numerical Weather Prediction, Washington D.C., August 2005
- American Geophysical Union meeting, San Francisco, CA, December 2004
- BASIN/SIBAE meeting: Partitioning of fluxes between the biosphere and the atmosphere across spatial scales, Interlaken, Switzerland, April 2004.
- BASIN/SIBAE meeting: Oxygen isotopes as a tracer linking global O<sub>2</sub>, CO<sub>2</sub>, and H<sub>2</sub>O cycles, Marshall, California, September 2004.
- American Geophysical Union meeting, San Francisco, CA, December 2003
- Ecological Society of America Conference, Savannah, GA, August 2003
- Integrating Science and Management on the Colorado Plateau, Flagstaff, AZ., November 2003
- CO<sub>2</sub> and Water Workshop, Basel, Switzerland, August 2002
- Ecological Society of America Conference, Tuscon, AZ, August 2002
- BASIN workshop, Banff, Canada, May 2002
- Ninth Annual Workshop on Weather Prediction in the Intermountain West, Salt Lake City, UT, November 2002.

- American Geophysical Union meeting, San Francisco, CA, December 2001
- Ecological Society of America meeting Madison, WI, August 2001.
- Sixth CO<sub>2</sub> conference, Sendai, Japan, October 2001
- American Geophysical Union meeting, San Francisco, CA, December 2000
- Great Basin Biological Research Conference, Reno, NV, October 1999
- Ecological Society of America meeting, Spokane, WA, August 1999
- American Geophysical Union meeting, San Francisco, CA, December 1998
- Ecological Society of America meeting, Albuquerque, NM, August 1997
- Ecological Society of America meeting, Providence, RI, August 1996

## Grants

- "SRS RN: RENEWEST: Regional Environmental Network Enabling Water-Equitable and Sustainable Transitions" NSF SRS RN, \$15,000,000, Pataki (PI), Porse, Alberti, Cadenasso, Pincetl (pending)
- "DISES: Socioenvironmental interdependencies in urban ecosystems: How can humans and nature both flourish in cities?" NSF DISES, \$1,587,988, Pataki (PI), Hinners, Rose, Brownlee (pending)
- "Understanding the hydrologic consequences of urban gardening during COVID-19." NSF supplement, \$72,807, 9/1/19-8/30/22, Pataki (PI), Litvak (current)
- "SG: Can green infrastructure maximize ecosystem processes related to nitrogen?" NSF DEB, \$199,764, 5/1/20-4/30/22, Smith (PI), Goel, Pataki, Shah (current)
- "Collaborative Research: Understanding the hydrologic consequences of urban irrigation across the U.S." NSF EAR, \$498,172 (U of U portion), 9/1/19-8/30/22, Pataki (PI), Litvak, Jenerette (current)
- "Toward a theory of trees as living infrastructure." NSF CNH2-L, \$42,598 subcontract from the University of California, Riverside, 9/1/19-8/30/21, Pataki (current)
- "The Nature of Cities Summit." NSF DEB, \$49,891, 4/1/19-3/31/20, Pataki (PI)
- "NSF INCLUDES: Alliance to strengthen the STEM Tapestry (ASSisT): Motivating critical identity shifts to weave the STEM disenfranchised into science and the sustainability workforce." NSF INCLUDES, \$299,975, 1/1/17-12/31/18, Nadkarni, Cheek-O'Donnell, Gerton, Isabella, Pataki
- "MSB-FRA: Alternative futures for the American residential macrosystem." NSF Macrosystems, \$400,102 (U of U portion), 1/1/17-12/31/21, Groffman, Grove, Lerman, Hall, Larson, Pataki, Hobbie, Cavendar-Bares, Nelson, Morse, Chowdhury, Heffernan, Neill, Trammell, Avolio
- "Predicting CO<sub>2</sub> emissions associated with urban development in the western U.S." NOAA, \$848,181, 1/1/14-12/30/17, Lin, Pataki, Buchert, Bowling, Strong, Ehleringer
- "iUtah-innovative Urban Transitions and Aridregion Hydro-sustainability", NSF EPSCoR, \$20,000,000, 7/1/12-6/30/17, Crawl, Baker, Ehleringer, Jackson-Smith, Pataki
- "MRI: Acquisition of an Isotope Ratio Mass Spectrometer for Tracing Human-Environment Interactions," NSF MRI \$629,938, 8/15/13-8/14/17, Bowen, Bowling, Pataki, Ehleringer, Cerling
- "WSC-Category 3: Collaborative: The role of local water resources in the water sustainability of Los Angeles," NSF WSC, \$1,484,781, 7/1/12-6/30/17, Pataki (PI), Pincetl, Hogue
- "Mobile greenhouse gas flux analyzer for unmanned aerial vehicles," NASA SBIR, Univ of Utah subcontract \$75,000, 1/1/13-03/31/16, Pataki, primary awardee Los Gatos Research, Inc.
- "Collaborative research: Mechanisms for the decline of leaf hydraulic conductance with dehydration, and



- plant- and environment-level impacts dehydration, and plant- and environment-level impacts," NSF IOS, UCI portion \$198,849, 2/1/12-1/31/16, Sack, Pataki, Buckley
- "Collaborative research: Ecological homogenization of urban America," NSF-Macrosystems, UCI portion \$222,634, 6/30/11-7/1/15, Groffman, Grove, Hobbie, Cavender-Bares, Nelson, Polsky, Hall, Larson, Heffernan, Ogden, Neill, Pataki, Chowdhury
- "Collaborative Research: Toward a biogeography of urban forests," NSF-DEB, \$691,498, 9/1/09-8/31/12, Pataki (PI), Jenerette, Pincetl, Gillespie
- "Dynamics of urban ecosystem services and their relationship to ecohydrology: Exploratory study for a Los Angeles Urban Long-term Research Site (LA-ULTRA)", NSF-ULTRA, \$299,429, 1/1/10-12/31/12, Pincetl, Boone, Hogue, McFadden, Pataki
- "Reductions in urban outdoor water use as an adaptation to rising temperatures and declining water supplies in southern California," California Energy Commission PIER, \$199,737, 4/1/10 – 3/31/12, Pataki (PI), Hogue, Pincetl
- "Forest-Atmosphere Carbon Transfer and Storage (FACTS-1)", U.S. Dept. of Energy, UCI subcontract \$66,068, 12/1/09-11/30/12, Oren
- "Creating sustainability indicators to assess the physical, social, and economic values of greening cities," EPA-STAR, \$369,577, 5/07-8/10, Saphores and Pataki, UCI, Pincetl and Saatchi, UCLA
- "Distinguishing between greenhouse gas emissions from cropland, animal operations, and urban land cover with isotopic tracers," USDA Air Quality, \$499,276, 1/1/07 – 12/31/10, Pataki (PI), Tyler, Trumbore
- "Collaborative Research: A study in the dynamics of human behavior in institutional innovation and learning," NSF-HSD, \$748,712, 9/1/06 – 10/31/10, Pincetl, Saatchi, UCLA, Pataki, Saphores, UCI
- "The spatial distribution of isotopic tracers in urban organic matter: understanding multiple and confounding effects of human activities on urban vegetation," NSF Geography, \$299,914, 8/06 – 1/10, Pataki (PI)
- "Sources of dissolved nitrogen to urban watersheds in Orange County, California," UCI CORCLR, \$24,876, 7/1/07-6/30/06, Pataki (PI) and Cooper
- "Acquisition of capability for single-compound AMS measurement of organic matter at the W.M. Keck Carbon Cycle Accelerator Mass Spectrometry Facility at UC Irvine" NSF EAR, \$411,163, Druffel, Pataki, Southon, Treseder, Trumbore, 11/05 – 10/08
- "Improving greenhouse gas emissions inventories in California with atmospheric measurements," UC Energy Institute, \$35,000, 7/06 – 6/07, Pataki (PI)
- "Controls on C and N cycling in a Southern California urban turfgrass ecosystem" Kearney Foundation of Soil Science, \$39,951, 1/06 – 12/06, Pataki (PI)
- "Plant water use in Owens Valley, CA: Understanding the influence of climate and depth to groundwater." UC Center for Water Resources, \$57,882, Pataki (PI), 7/05 – 6/07
- Research Experience for Undergraduates, NSF cross-directorate, \$30,000, Forster, Pataki, Emmi, Klewicki and Peterson, 1/04-2/07
- "Urban trace-gas emissions study (UTES): Interactions between canopy processes, anthropogenic emissions, and social institutions in the Salt Lake Valley, Utah." NSF-biocomplexity, \$1,498,173, Pataki (PI), Emmi, Forster, Klewicki, Peterson, 9/02-2/07

"Is carbon sequestration a feasible management goal for urban soils? Exploratory research in the Los Angeles Basin" Newkirk Center for Science and Society, \$12,500, Pataki and Trumbore, 9/05 – 9/06

Workshop: "Carbon respiration from terrestrial ecosystems – reducing uncertainties in the role played by respiration in the global carbon cycle." NSF-CaRTE, \$72,277, Trumbore, 9/02-8/04

"Support of the GCTE Focus 1 Office (Ecosystem Processes in Biogeochemical Cycles)", NASA, \$170,660, Ehleringer and Pataki, 2/02-12/03

Workshop: "Tracing carbon in elevated CO<sub>2</sub> experiments: A workshop on isotopic analyses of where the carbon is going." DOE \$19,774, Ellsworth and Pataki, 1/01-1/02

## Teaching

### *Courses Taught at the University of Utah:*

BIOL 1620 Fundamentals of Biology II (lower division undergraduate)

BIOL 5440/CMP 6610 Urban Ecology (upper division undergraduate/graduate)

BIOL 7406 Speakerfest (graduate)

SCI 6990 Professional Development Seminar (graduate)

NSF Grant Writing Foundations (Research Education)

NSF Grant Writing Workshop (Research Education)

### *Courses Taught at UC Irvine:*

BIO E127/ESS 168/268 Physiological Plant Ecology (undergraduate upper division/graduate)

BIO 2B The Ecology of Your Backyard (freshman seminar)

BIO 2B Water in the West (freshman seminar)

BIO 2B Trees of the World (freshman seminar)

ESS 60B Local and Regional Environmental Issues (undergraduate lower division)

ESS 218 Terrestrial Ecology (graduate)

ESS 226 Land Surface Processes (graduate)

US 13A Environmental Studies (undergraduate lower division)

### *Graduate students supervised:*

Neeta Bijoor, Ph.D., 2010, now a Water Conservation Specialist, Santa Clara Valley Water District, California

Christine Goedhart, Ph.D., 2010, now an Assistant Professor, Citrus College

Sonja Djuricin Burd, Ph.D., 2011, now an Assistant Professor, College of Southern Nevada

Elizaveta Litvak, Ph.D. 2012, now a post-doctoral researcher, University of Utah

Wenwen Wang, Ph.D. 2012, now a patent lawyer

Moumita Kundu, MCMP, 2014

Carolina Gómez-Navarro, 2019, now a Humbolt Fellow

La'Shaye Ervin Cobley, 2019, now a California Congressional Fellow

### *Other thesis and advancement to candidacy committees:*

Mariah Carbone, Allison Chan, Chris Doughty, Brandon Finley, Noortje Grijseels, David Lebauer, Aaron Fellows, Leah Goldstein, Yusuf Jameel, Anne Kelly, Hsiao-wen Lin, David Love, Nicole Nowinski, Calen May-Tobin, Adrian Rocha, Jeffrey Ross, Gerald Schneider, Marko Spasojevic, Jennifer Talbot, Matthew Whiteside, David Love, Gerald Schneider, Robin Rothfeder, Austin Green

### *Post-doctoral researchers supervised:*

Heather McCarthy, now an Assistant Professor, University of Oklahoma

Amy Townsend-Small, now an Assistant Professor, University of Cincinnati

Tara Trammell, now an Assistant Professor, University of Delaware  
Chalita Sriladda Forgotson, now a Research Scientist, NASA  
Meghan Avolio, now an Assistant Professor, Johns Hopkins University  
Rebecca Hale, now a Research Assistant Professor, Idaho State University  
Kendra Chritz, now an Assistant Professor, University of British Columbia  
Carolina Gómez-Navarro, now a Humbolt Fellow  
Rose Smith, now a Research Assistant Professor, University of Utah  
Elizaveta Litvak, current

*Undergraduate researchers supervised at the University of Utah:* William Borrowman (Honors Biology thesis), Eden Brush (visiting from U Oregon), Claire O'Donnell, Thomas Reiersen, Barbara Uhl, Lily Wetterlin, Grant Doxey, Michael Navidsomksis, Samantha King, Elmera Azadpour (Honors Biology thesis), Madeline Jensen, Kyra Mann (Honors Biology Thesis), Linda Zhao

*Undergraduate researchers supervised at UC Irvine:* Kristine Adan, Anait Arsenyan, Ryan Babadi, Melissa Benitez, Patti Chi, David Choi (undergraduate thesis), Madina Chowdhury, Ibrahima Diallo, Aaron Ellis (undergraduate thesis), Hannah Erbele, Gabriel Giannini, Thomas Gocke, MaryKay Herzenach, Heather Hee, Sophia Ko, Justine Law, Fabian Maganas, Greg Maler, Nicole Ngo (undergraduate thesis), Dave Nguyen, Katherine Nguyen, Thien Nguyen, Trung Nguyen, Boyang Pan, Liz Seward, Aubrey Stills, Anthony Trung, Leon Tsoi (undergraduate thesis), Eric Sun