

Curriculum Vitae

ARNAS PALAIMA

Marie Skłodowska-Curie Fellow in Ecological Economics
Department of Geography, Cambridge Coastal Research Unit
University of Cambridge
Downing Place, Cambridge, CB2 3EN, UK
Ph: +44 7751 242945/E-mail: Arnas.Palaima@geog.cam.ac.uk
Web: www.geog.cam.ac.uk/people/palaima/

EDUCATION

- 2019 Certificate – Impulse (2.5-month program for tech innovators) – **University of Cambridge**, Maxwell Centre. EdTech Business project: “Eco-Innovator: an accredited web-based program in eco-innovation and sustainability for global students”.
- 2019 Certificate - Ignite (one-week intense program) – **University of Cambridge**, Entrepreneurship Centre, Judge Business School. EdTech Business project: “Eco-Innovator: an accredited web-based program in eco-innovation and sustainability for global students”.
- 2002 Ph.D. in Biology- **University of Miami**, Department of Biology, Coral Gables, Florida, USA
Thesis: Tolerance to temperature: an experimental study of *Daphnia* (Crustacea: Cladocera)
Major advisor: Prof. Ken Spitze
- 1995 Diplomas (M.S., Biology/Ecology) - **Vilnius University**, Faculty of Natural Sciences, Vilnius, Lithuania. Thesis: Phenotypic plasticity of water flea (*Daphnia pulex*) in response to fish (*Carassius carassius*) chemical agents. Thesis advisor: Prof. Kęstutis Arbačiauskas.
- 1993 Diploma (One-semester university-level program in Baltic Ecology, Ecological Engineering for Wastewater Treatment, Environment and Society, Swedish Language) - **Stensunds Folkhogskola**, Trosa, Sweden. Program director: Dr. B. Guterstam.
- 1992 Diploma (Completion of the international course "The Baltic Sea Environment") - **The Baltic University**, Uppsala, Sweden. Program directors: Prof. Lars Ryden (Uppsala University) and Prof. Romualdas. Lekevičius (Vilnius University).

OVERVIEW

During his career in United States (Dr. Palaima came to the United States as a graduate student with a Fulbright scholarship), Dr. Palaima has been conducting research in aquatic and evolutionary ecology, coastal conservation science, and ecosystem services/eco-innovation at University of Miami, University of Mississippi, San Francisco State University and Berkeley Ecological Economics Innovations Center. He is an author of well cited scientific papers, two peer-reviewed research books (one of them is published with one of the most respected academic presses in the world), and with extensive teaching experience. In addition, as a Director at Berkeley Ecological Economics Innovations Center, Dr. Palaima worked with numerous environmental organizations (businesses, non-profits and academia) in San Francisco Bay Area in advancing their environmental technologies as well as their social/educational programs.

Currently at University of Cambridge Dr. Palaima’s key research interest is ecological economics and ecosystem-based management (EBM) of coastal/marine social-ecological systems. Results of his research are expected to contribute to the building of foundation for mainstreaming natural capital into decisions for numerous coastal/marine social-ecological systems in Europe and worldwide by providing evidence based, quantitative basis to make informative decisions in optimizing economic development and sustainability goals.

PROFESSIONAL EXPERIENCE

- 2018 - current: **Marie Skłodowska-Curie Fellow in Ecological Economics**, Department of Geography, **University of Cambridge**, Cambridge, UK. **Research project**: “Nonlinearity of Key Economic and Environmental Variables in Coastal/Marine Ecosystem-Based Management (EBM)”. **Book project**: “Green business that works for tropical rainforest: global challenges, opportunities and

win-win case studies". **Broad-impact project:** "Eco-Innovator: an accredited web-based program in eco-innovation and sustainability for global students".

2008 - 2018: **Co-founder/Director, Berkeley Ecological Economics Innovations Center (BEEIC)**, Berkeley, California, USA. Managed a dynamic team of 4 people; worked with dozens of environmental companies (e.g., Solectrac, DustOut), non-profits (e.g., Natural Capital Institute, WISE) and Universities (e.g., Stanford, University of California-Berkeley) from San Francisco Bay Area in project co-development, fund-raising and implementation. Initiated and completed a peer-reviewed book project "Ecology, conservation and restoration of tidal marshes: the San Francisco Estuary" which was published with University of California Press, one of the most distinguished academic presses.

2010 - 2012: **Author/Editor** of the peer-reviewed book " Ecology, conservation and restoration of tidal marshes: the San Francisco Estuary", **University of California Press**, Berkeley, California, USA. Acted as a lead science editor to develop the book's concept/content, selected/invited internationally renowned scientists to contribute to the book (total 18 chapters, 38 contributors), ensured that chapter manuscripts were delivered on time, meeting book's concept, quality standards and UC Press Faculty Editorial Committee requirements, coordinated peer-review process (total 34 reviewers), wrote a chapter "Ecosystem services". The book was published in October 2012. <http://www.ucpress.edu/book.php?isbn=9780520274297>.

2007 - 2008: **Site Profile Coordinator**, Romberg Tiburon Center, **San Francisco State University**, San Francisco, California, USA. Developed and coordinated the Site Profile project on San Francisco Bay salt marshes for San Francisco Bay National Estuarine Reserve and National Oceanic and Atmospheric Administration; results of the project were published as a special issue of the peer-reviewed journal "San Francisco Estuary and Watershed Science" in 2011 9(3).

2006 - 2007: **Advisor for Scientific Program and Innovations, CDD Inc.**, San Francisco, California, USA. Collaborated with Stanford University and SRI International in new project development under the Small Business Innovation Program and Small Business Technology Transfer Program, NIH; played an instrumental role in establishing a new partnership between CDD Inc. and Bill & Melinda Gates Foundation leading to funding of \$3.6 million.

2002 - 2005: **Visiting Assistant Professor**, Department of Biology, **University of Mississippi**, Oxford, Mississippi, USA. Conducted research on evolution of ecological specialization which led to publishing 2 peer-reviewed papers and a monograph "Populations evolutionary adaptation to temperature: an experimental study of *Daphnia*"; taught and advised undergraduate students; gave more than 800 lectures to more than 3,000 students in Biology, Environmental Biology and Human Biology.

1996 - 2002: **Graduate Teaching Assistant**, Department of Biology, **University of Miami**, Miami, Florida, USA. Conducted research on populations tolerance to temperature, fulfilled all course requirements and defended doctoral dissertation "Tolerance to temperature: an experimental study of *Daphnia* (Crustacea: Cladocera)"; taught laboratories and seminars in Genetics, Evolution and Biodiversity, and Histology.

1995 - 1996: **Fulbright Scholar, University of Miami**, Miami, Florida, USA.

Research project: "Effects of Hurricane Andrew on the structure and function of the South Florida Everglades wetland communities".

AWARDS AND RECOGNITION

2018 - **Marie Sklodowska-Curie Individual Fellowship in Economic Sciences**, Brussels, European Union.

2000 - **Outstanding Teaching Assistant Award**, University of Miami, Coral Gables, Florida, USA.

1995 - **Fulbright Scholarship**, Institute of International Education, USIA, New York, USA.

SERVICE

2013 - present. **Member of the Editorial Board** - Peer-reviewed research journal "Baltic Environment", published by Mykolas Romeris University, Vilnius, Lithuania.

2012 **Advisor** for the Office of Justas Paleckis, a Member of European Parliament/Committee on the Environment, Public Health and Food Safety, **Brussels**. For example, consulted on the DRAFT

OPINION of the Committee on the Environment, Public Health and Food Safety for the Committee on Fisheries on the proposal for a regulation of the European Parliament and of the Council establishing a multiannual plan for the Baltic salmon stock and the fisheries exploiting that stock.

PEER-REVIEWED SCIENTIFIC PUBLICATIONS

Most publications are available at: https://www.researchgate.net/profile/Arnas_Palaima

Palaima A. and Mierauskas P. **2013**. Mainstreaming natural capital into decisions: integrated valuation of ecosystem services. *Social Technologies* 3: 149-158.

Mierauskas P. and Palaima A. **2012**. Ecological network in Lithuania: its development and implementation within the nature frame framework. *Sustainable Development Strategy And Practice: Research Papers* 7: 58-77.

Palaima A. **2012**. Book chapter "Ecosystem services". In *Ecology, conservation and restoration of tidal marshes: the San Francisco Estuary*. (editor A. Palaima), pp. 207-214, University of California Press, Berkeley, California.

Palaima A. (editor). **2012**. *Ecology, conservation and restoration of tidal marshes: the San Francisco Estuary*. Book (ISBN: 9780520274297), 312 p., University of California Press, Berkeley, California. <http://www.ucpress.edu/book.php?isbn=9780520274297>

Palaima A. **2010**. *Populations evolutionary adaptation to temperature: a study of Daphnia (Crustacea: Cladocera)*. Book (ISBN: 978-3838331935), 104 p., Lambert Academic Publishing, Koln, Germany. <http://www.amazon.com/Populations-evolutionary-adaptation-temperature-Crustacea/dp/3838331931>

Palaima A. **2007**. The fitness cost of generalization: present limitations and future possible solutions. *Biological Journal of the Linnean Society* 90: 583-590.

Palaima A. and Spitze K. **2004**. Is a jack-of-all-temperatures a master of none? An experimental test with *Daphnia pulex* (Crustacea: Cladocera). *Evolutionary Ecology Research* 6: 215-225.

Palaima A. **2002**. Tolerance to temperature: an experimental study of *Daphnia* (Crustacea: Cladocera). *Doctoral Dissertation, University of Miami*, Miami, Florida, USA.

<http://scholarlyrepository.miami.edu/dissertations/1857>

POPULAR MEDIA PUBLICATIONS

Palaima A. **2012**. "Open eco-innovation business model", "Verslo Žinios" ("Business News"), Vilnius, June 19 (in Lithuanian).

Palaima A. **2012**. "What will ensure the safety of the nuclear power plant?", "Verslo Žinios" ("Business News"), Vilnius, May 2 (in Lithuanian).

Palaima A. **2012**. "Short-term numbers don't tell the whole story", "Verslo Žinios" ("Business News"), Vilnius, January 30 (in Lithuanian).

Palaima A. **2008**. "Green building is not a fashion", "Lietuvos Rytas" ("Lithuanian Morning"), Vilnius, June 4 (in Lithuanian).

Palaima A. **2008**. "Environment, global warming and ecological economics: an interview with Dr. Palaima", "Lietuvos Rytas" ("Lithuanian Morning"), Vilnius, January 7, (in Lithuanian).

TEACHING EXPERIENCE

Visiting Assistant Professor, University of Mississippi, **General Biology**, Fall 2002, Spring/Summer/Fall 2003, Spring/Summer/Fall 2004, Spring/Summer 2005.

Visiting Assistant Professor, University of Mississippi, **Environmental Biology**, Fall 2002, Spring/Summer/Fall 2003, Spring/Summer/Fall 2004, Spring/Summer 2005.

Visiting Assistant Professor, University of Mississippi, **Human Biology**, Summer 2004.

Instructor, University of Miami, **Research in Biology**, Summer 1999, 2000, 2001, 2002.

Graduate Teaching Assistant, University of Miami, **Laboratory in Genetics**, Fall 1996, 1997, 1998, 1999, 2000, 2001.

Graduate Teaching Assistant, University of Miami, **Seminars in Genetics**, Spring 1999.

Graduate Teaching Assistant, University of Miami, **Laboratory in Evolution and Biodiversity**, Spring 1996, 1997, 1998, 2000, 2001, 2002.

Graduate Teaching Assistant, University of Miami, **Laboratory in Histology**, Summer 1996, 1997.

PROFESSIONAL MEMBERSHIP

The International Society for Ecological Economics
European Society for Ecological Economics (ESEE)
Society for Conservation Biology

INVITED SEMINARS/PRESENTATIONS

- "The nature of trade-offs in nature: a perspective from experimental evolutionary biology to coastal ecological economics"
Department of Geography, University of Cambridge, **Cambridge**, UK. November 6th, 2018.
- "Eco-Innovation"
Executive Agency for Competitiveness and Innovation, European Commission, **Brussels**, Belgium. November 19, 2009.
- "Environment, global warming and ecological economics: current issues and future perspectives"
Vilnius University, **Vilnius**, Lithuania. November 25, 2007.
- "Environment, global warming and ecological economics: current issues and future perspectives"
Institute of Biotechnology, **Vilnius**, Lithuania. November 23, 2007.
- "A new test of the old proverb Jack-of-all-trades is a master of none"
Department of Biology, University of Mississippi, **Oxford**, Mississippi. February 15, 2003.
- "Is a jack-of-all-trades a master of none? An experimental test with *Daphnia pulicaria*" Department of Biology, University of Miami, **Miami**, Florida. April 14, 2002.

RECENT PROFESSIONAL MEETINGS

- 2019 - University of Cambridge Conservation Research Institute (UCCRI) Conference, Sept. 24th, Cambridge, UK.
- 2019 - Blueprint to a Green Economy Meeting, Cambridge Conservation Initiative (CCI), Sept. 19th, Cambridge, UK.
- 2019 - 29th International Congress for Conservation Biology, July 21-25th, Kuala Lumpur, Malaysia.
- 2019 - European Society of Ecological Economics Conference, June 18-21st, Turku, Finland.
- 2019 - Natural Capital Investment Conference, Feb. 28th, The Royal Society, London, UK.
- 2017 - National Science Foundation Small Business Innovation Research/Small Business Technology Transfer Phase 1 Grantee Workshop. Washington D.C., USA.
- 2017 - The 9th bi-annual conference of the United States Society for Ecological Economics, St. Paul, Minnesota, USA.
- 2017 - Natural Capital Symposium, Stanford University, Stanford, California, USA.

IMPACT OF THE MOST IMPORTANT SCIENTIFIC PUBLICATIONS (as of Sept. 2019)

Palaima A. (editor). 2012. *Ecology, conservation and restoration of tidal marshes: the San Francisco Estuary*. Book (ISBN: 9780520274297), 312 p., University of California Press, Berkeley, California. <http://www.ucpress.edu/book.php?isbn=9780520274297>

A list of countries (total: 42) that purchased the book:

USA	Italy	Lebanon	Korea	Australia
UK	Spain	Armenia	Taiwan	South Africa
Netherlands	Norway	Israel	China	Kenya
France	Sweden	Iraq	Philippines	New Zealand
Ireland	Greece	Canada	Malaysia	Colombia
Germany	Malta	Qatar	Thailand	Equador
Switzerland	Turkey	United Arab Emirates	Singapore	Jamaica
Denmark	Cyprus	Afganistan	Pakistan	Aruba, Trinidad, Tobago

Examples of academic libraries (total: 821) that purchased the book:

Harvard University (USA)	University of Oxford (UK)
Stanford University (USA)	University of Cambridge (UK)
Massachusetts Institute of Technology (USA)	University of London (UK)
Princeton University (USA)	University of Essex (UK)
Columbia University (USA)	University of Manchester (UK)
University of Chicago (USA)	University of Liverpool (UK)
University of California-Berkeley (USA)	University of Glasgow (UK)
Boston University (USA)	University of Edinburgh (UK)
Cornell University (USA)	University of St Andrews (UK)
University of Massachusetts (USA)	University of Aberdeen (UK)
Brown University (USA)	Zentralbibliothek (Switzerland)
University of Florida (USA)	University of Groningen (Netherlands)
University of Illinois (USA)	Tilburg University (Netherlands)
University of North Carolina (USA)	Leiden University (Netherlands)
University of Texas-Austin (USA)	Wageningen University (Netherlands)
University of Miami (USA)	Maastricht University (Netherlands)
University of Washington (USA)	Copenhagen University (Denmark)
Oregon State University (USA)	Bibliothèque Nationale de France (France)
University of California (all campuses) (USA)	American University of Paris (France)
Virginia Institute of Marine Sciences (USA)	Munich University (Germany)
University of Wisconsin-Madison (USA)	Marburg University (Germany)
The Chinese University of Hong Kong (China)	Erlangen-Nurnberg University (Germany)
Chulalongkorn University (Thailand)	J. Christian Senckenberg University (Germany)
University of Malaysia (Malaysia)	Göttingen University (Germany)
Nanyang Technological University (Singapore)	Marburg University (Germany)
American University of Afghanistan (Afghanistan)	American University of Rome (Italy)
Swinburne University of Technology (Australia)	John Cabot University (Italy)
University of Sydney (Australia)	University of Victoria (Canada)
University of Auckland (New Zealand)	University of Toronto (Canada)
Universidad de los Andes (Colombia)	Trinity College (Ireland)
Ben Gurion University (Israel)	University of Johannesburg (South Africa)

In addition, at ResearchGate.net (https://www.researchgate.net/profile/Arnas_Palaima), the book was downloaded (free of charge) **1,374** times from around the world.

Palaima A. 2007. *The fitness cost of generalization: present limitations and future possible solutions. Biological Journal of the Linnean Society* 90: 583-590.

Up to date, the paper has been continuously **cited 28 times** (excluding self-citation and dissertations) in **24 scientific journals**.

A list of articles that cited the above article:

Pham JY, Ogbunugafor CB, Ba ANN, et al. **2019**. Experimental evolution for niche breadth in bacteriophage T4 highlights the importance of structural genes. BIORXIV (posted preprint June 13, 2019) doi: <https://doi.org/10.1101/669770>.

Atkins JL, Perry GLW, Dennis TE. **2019**. Effects of mis-alignment between dispersal traits and landscape structure on dispersal success in fragmented landscapes. ROYAL SOCIETY OPEN SCIENCE 6(1) <https://doi.org/10.1098/rsos.181702>

- Lang J, Vigourox A, El Sahili A, et al. **2017**. Fitness cost restrict niche expansion by generalist niche-constructing pathogens. *THE ISME JOURNAL* 11: 374-385.
- Cortes PA, Puschel H, Acuna P, et al. **2016**. Thermal ecological physiology of native and invasive frog species: do invaders perform better? *CONSERVATION PHYSIOLOGY* 4: cow056.
- Hillaert J, Boeye J, Stoks R, Bonte D. **2015**. The evolution of thermal performance can constrain dispersal during range shifting. *JOURNAL OF BIOLOGICAL DYNAMICS* 9: 317-335.
- Chaianunporn T, Hovestadt T. **2015**. Evolutionary responses to climate change in parasitic systems. *GLOBAL CHANGE BIOLOGY* 21: 2905-2916.
- Satterwhite RS, Cooper TF. **2015**. Constraints on adaptation of *Escherichia coli* to mixed-resource environments increase over time. *EVOLUTION* 69: 2067-2078.
- Condon C, Archarya A, Adrian GJ, et al. **2015**. Indirect selection of thermal tolerance during experimental evolution of *Drosophila melanogaster*. *ECOLOGY AND EVOLUTION* 5: 1873-1880.
- Guinand B, Quere N, Cerqueira F, et al. **2014**. Fitness difference between cryptic salinity-related phenotypes of sea bass (*Dicentrarchus labrax*). *SCIENTIA MARINA* 78: 493-503.
- Franch-Gras L, Montero-Pau J, Serra M. **2014**. The effect of environmental uncertainty and diapause investment on the occurrence of specialist and generalist species. *HYDROBIOLOGY* 99: 125-132.
- Arribas M, Kubota K, Cabanillas L, Lazaro E. **2014**. Adaptation to fluctuating temperatures in an RNA virus is driven by the most stringent selective pressure. *PLoS ONE* 9(6): e100940.
- Keith SA, Kerswell AP, Connolly SR. **2014**. Global diversity of marine macroalgae: environmental conditions explain less variation in the tropics. *GLOBAL ECOLOGY AND BIOGEOGRAPHY* 23: 517-529.
- Alto BW, Wasik BR, Morales NM, and Turner PE. **2013**. Stochastic temperatures impede virus adaptation. *EVOLUTION* 67: 969-979.
- Van Leeuwen E, Brannstrom A, Jansen VAA, Dieckmann U and Rossberg AG. **2013**. A generalized functional response for predators that switch between multiple prey species. *JOURNAL OF THEORETICAL BIOLOGY*. Available online 17 February 2013.
- Victorsson J. **2012**. Semi-field experiments investigating facilitation: arrival order decides the interrelationship between two saproxylic beetle species. *ECOLOGICAL ENTOMOLOGY* 37: 395-401.
- Latta LC, Weider LJ, Colbourne JK, Pfrender ME. **2012**. The evolution of salinity tolerance in *Daphnia*: a functional genomics approach. *ECOLOGY LETTERS*: May 15.
- Normark BB and Johnson NA. **2011**. Niche explosion. *GENETICA* 139: 551-564.
- Tosh CR, Ruxton GD, Krause J and Franks DW. **2011**. Experiments with humans indicate that decision accuracy drives the evolution of niche width. *PROC. R. SOC. B.* 278: 3504-3509.
- Turner PE, Morales NM, Alto BW et al. **2010**. Role of evolved host breadth in the initial emergence of an RNA virus. *EVOLUTION* 64: 3273-3286.
- Ogbunugafor CB, Basu S, Morales NM et al. **2010**. Combining mathematics and empirical data to predict emergence of RNA viruses that differ in reservoir use. *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES* 365: 1919-1930.
- Alto BW and Turner PE. **2010**. Consequences of host adaptation for performance of vesicular stomatitis virus in novel thermal environments. *EVOLUTIONARY ECOLOGY* 24: 299-315.
- Van Leeuwen E and Jansen VAA. **2010**. Evolutionary consequences of a search image. *THEORETICAL POPULATION BIOLOGY* 77: 49-55.
- Hoffmann AA. **2010**. A genetic perspective on insect climate specialist. *AUSTRALIAN JOURNAL OF ENTOMOLOGY* 49: 93-103.
- Perfectii F, Gomez JM, and Bosch J. **2009**. The functional consequences of diversity in plant-pollinator interactions. *OIKOS* 118: 1430-1440.

Tosh CR, Krause J and Ruxton GD. **2009**. Theoretical predictions strongly support decision accuracy as a major driver of ecological specialization. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 106: 5698-5702.

Barrett LG, Kniskern JM, Bodenhausen N, et al. **2009**. Continuum of specificity and virulence in plant host-pathogen interactions: causes and consequences. NEW PHYTOLOGIST 183: 513-529.

Tobler M, DeWitt TJ, Schlupp I, et al. **2008**. Toxic hydrogen sulfide and dark caves: phenotypic and genetic divergence across two abiotic environmental gradients in *Poecilia mexicana*. EVOLUTION 62: 2643-2659.

Tobler M, Schlupp I, Garcia de Leon FJ, et al. **2007**. Extreme habitats as refuge from parasite infections? Evidence from an extremophile fish. ACTA OECOLOGICA 31 270-275.

Palaima A. and K. Spitze. 2004. Is a jack-of-all-temperatures a master of none? An experimental test with *Daphnia pulex* (Crustacea: Cladocera). Evolutionary Ecology Research 6: 215-225.

Up to date, the paper has been continuously *cited 21 times* (excluding self-citation and theses/dissertations) in **16 scientific journals**.

A list of articles that cited the above article:

Kake-Guena SA, Touisse K, Warren BE, et al. **2017**. Temperature-related differences in mitochondrial function among clones of the cladoceran *Daphnia pulex*. JOURNAL OF THERMAL BIOLOGY 69: 23-31.

Sengupta S, Ergon T, Leinaas HP. **2017**. Thermal plasticity in postembryonic life history traits of a widely distributed *Collembola*: effects of microclimate and microhabitat on genotypic differences. ECOLOGY AND EVOLUTION 7: 8100-8112.

Pietrzak B, Pijanowska J, Dawidowicz P. **2017**. The effect of temperature and kairomone on *Daphnia* escape ability: a simple bioassay. HYDROBIOLOGIA 798: 15-23.

Glaholt SP, Kennedy ML, Turner E, et al. **2016**. Thermal variation and factors influencing vertical migration behavior in *Daphnia* populations. JOURNAL OF THERMAL BIOLOGY 60: 70-78.

Johansson MP, Ermold F, Kristjansson BK, Laurila A. **2016**. Divergence of gastropod life history in contrasting thermal environments in a geothermal lake. JOURNAL OF EVOLUTIONARY BIOLOGY 29: 2043-2053.

Yang Q, Li B, Siemann E. **2015**. Positive and negative biotic interactions and invasive *Triadica sebifera* tolerance to salinity: a cross-continent comparative study. OIKOS 124: 216-224.

Klepsatel P, Galikova M, De Maio N, et al. **2013**. Variation in thermal performance and reaction norms among populations of *Drosophila melanogaster*. EVOLUTION 67: 3573-3587.

Kelly MW, Grosberg RK, and Sanford E. **2013**. Trade-offs, geography, and limits to thermal adaptation in a tide pool copepod. AMERICAN NATURALIST 181: 846-854.

Weltzer ML and Miller SR. **2013**. Ecological divergence of a novel group of *Chloroflexus* strains along a geothermal gradient. APPLIED AND ENVIRONMENTAL MICROBIOLOGY 79: 1353-1358.

Williams PJ, Dick KB, and Yampolsky LY. **2012**. Heat tolerance, temperature acclimation, acute oxidative damage and canalization of haemoglobin expression in *Daphnia*. EVOLUTIONARY ECOLOGY 26: 591-609.

Latta LC, Weider LJ, Colbourne JK, Pfrender ME. **2012**. The evolution of salinity tolerance in *Daphnia*: a functional genomics approach. ECOLOGY LETTERS.

Niehaus AC, Angilletta MJ, Sears MW, Franklin CE, and RS Wilson. **2012**. Predicting the physiological performance of ectotherms in fluctuating thermal environments. THE JOURNAL OF EXPERIMENTAL BIOLOGY 215: 694-701.

- Angert AL, Sheth SN and Paul JR. **2011**. Incorporating population-level variation in thermal performance into predictions of geographic range shifts. *INTEGRATIVE AND COMPARATIVE BIOLOGY* 51: 733-750.
- Straub CS, Ives AR and Gratton C. **2011**. Evidence for a trade-off between host-range breadth and host-use efficiency in Aphid parasitoids. *AMERICAN NATURALIST* 177: 389-395.
- Willett CS. **2010**. Potential fitness trade-offs for thermal tolerance in the intertidal copepod *Tigriopus californicus*. *EVOLUTION* 64: 2521-2534.
- Alto BW and Turner PE. **2010**. Consequences of host adaptation for performance of vesicular stomatitis virus in novel thermal environments. *EVOLUTIONARY ECOLOGY* 24: 299-315.
- Weider LJ, Frich D, and Hebert PDN. **2010**. Long-term changes in metapopulation genetic structure: a quarter-century retrospective study on low-Arctic rock pool *Daphnia*. *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES* 277: 139-146.
- Angilletta MJ. **2006**. Estimating and comparing thermal performance curves. *JOURNAL OF THERMAL BIOLOGY* 31: 541-545.
- Angilletta MJ, Bennett AF, Guderley H et al. **2006**. Coadaptation: a unifying principle in evolutionary thermal biology. *PHYSIOLOGICAL AND BIOCHEMICAL ZOOLOGY* 79: 282-294.
- Richmond CE, Breitburg DL, and Rose KA. **2005**. The role of environmental generalist species in ecosystem function. *ECOLOGICAL MODELLING* 188: 279-295.
- Kingsolver JG, Izem R, and Ragland GJ. **2004**. Plasticity of size and growth in fluctuating thermal environment: comparing reaction norms and performance curves. *INTEGRATIVE AND COMPARATIVE BIOLOGY* 44: 450-460.