

OFIR LEVY, Ph.D.
CURRICULUM VITAE

School of Zoology
Tel Aviv University
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RESEARCH POSITIONS

- 2018-present Senior Lecturer (aka Assistant Professor), *School of Zoology*, Tel Aviv University
2015-present Adjunct faculty, *School of Life Sciences*, Arizona State University
2011-2015 Post-doctoral fellow, *School of Life Sciences*, Arizona State University
2010-2011 Post-doctoral fellow, *Department of Zoology*, Tel Aviv University

EDUCATION

- 2005-2010 Ph.D. in the direct Ph.D. program for outstanding students, *Department of Zoology*,
Faculty of Life Sciences, Tel Aviv University
2001-2004 B.Sc., *Biology*, *Faculty of Life Sciences*, Tel Aviv University

ACADEMIC AND PROFESSIONAL AWARDS

- 2014 Young Scientist Mentoring Program for the Gordon Research Conference on Unifying Ecology Across Scales
2010 Merit award from the Zoological Society of Israel in recognition of exceptional Ph.D. presentation
2009 Faculty and Dean's award for excellent teaching assistants, *Faculty of Life Sciences*, Tel Aviv University
2007 Faculty and Dean's award for excellent teaching assistants, *Faculty of Life Sciences*, Tel Aviv University
2002-2004 Faculty and Dean's award for excellent BSc students, *Faculty of Life Sciences*, Tel Aviv University
2002 Rector's award for excellent BSc students, *Tel Aviv University*

Grants and Fellowships

- 2018-2019 Grant for studying "Life Under Extreme Conditions at the Dead Sea", funded by the Porter Foundation, *Tel Aviv University* (\$49,650)
2014 Grant for Post-Doctoral Interdisciplinary Research in the Life Sciences, *Arizona State University* (\$7,400)
2011 Rothschild Post-Doctoral Fellowship for young scholars of outstanding academic merit and potential to advance in their respective fields, *Yad-Hanadiv* (\$40,000)
2005-2009 Ph.D. Scholarship for outstanding graduate students, *Tel Aviv University* (\$48,000)
2006 Fulbright Doctoral Dissertation Research Fellowship (\$4,000)
2002-2004 B.Sc Scholarship for outstanding students, *Tel Aviv University* (\$3,000)
2003 Elad Grenadir's Scholarship for outstanding students, *Tel Aviv University* (\$3000)

SCIENTIFIC PUBLICATIONS

Peer-reviewed

1. Carlo MA, Riddell EA, **Levy O**, and Sears MW (2018) Recurrent sub-lethal warming decreases embryo survival, inhibits development, and alters species range projections under climate change. *Ecology Letters*, 21: 104-116.
2. **Levy[†] O**, Borchert[†] J, Rusch T, Buckley LB, and Angilletta MJ (2017) Diminishing returns reduce energetic costs of climate change. *Ecology*, 98: 1217–1228.
3. Basson CH, **Levy O**, Angilletta MJ, and Clusella-Trullas S (2017) Lizards paid a greater opportunity cost to thermoregulate in a less heterogeneous environment. *Functional Ecology*, 31: 856–865.
4. Telemeco RS, Fletcher B, **Levy O**, Riley A, Rodriguez-Sanchez Y, Smith CD, Teague C, Waters A, Angilletta MJ, and Buckley LB (2017) Lizards fail to plastically adjust nesting behavior or thermal tolerance as needed to buffer populations from climate change. *Global Change Biology*, 23: 1075–1084.
5. **Levy O**, Dayan T, Porter WP, and Kronfeld-Schor N (2016) Foraging activity pattern is shaped by water loss rates in a diurnal desert rodent. *The American Naturalist*, 188(2): 205-218.
6. **Levy O**, Buckley LB, Keitt TH, and Angilletta MJ (2016) A dynamically downscaled projection of past and future microclimates. *Ecology*, 97(7): 1888.
7. **Levy O**, Buckley LB, Keitt TH, and Angilletta MJ (2016) Ontogeny constrains phenology: opportunities for activity and reproduction interact to dictate potential phenologies in a changing climate. *Ecology Letters*, 19(6): 620-628.
8. **Levy O**, Buckley LB, Keitt TH, Smith CD*, Boateng KO*, Kumar DS*, and Angilletta MJ (2015) Resolving the life cycle alters expected impacts of climate change. *Proceedings of the Royal Society B*, 282: 2813. *undergraduate mentee
9. **Levy[†] O**, Ball[†] BA, Bond-Lamberty B, Cheruvilil KS, Finley AO, Lottig N, Punyasena S, Xiao J, Zhou J, Buckley LB, Filstrup CT, Keitt TH, Kellner JR, Knapp AK, Richardson AD, Tchong D, Toomey M, Vargas R, Voordeckers JW, Wagner T, and Williams JW (2014) Approaches to advance scientific understanding of macrosystems. *Frontiers in Ecology and the Environment*, 12(1): 15-23. [†]first author contribution.
10. **Levy O**, Dayan T, Rotics S, and Kronfeld-Schor N (2012) Foraging sequence, energy intake, and torpor: An individual-based field study of energy balancing in desert golden spiny mice. *Ecology Letters*, 5(11):1240-1248.
11. **Levy O**, Dayan T, Kronfeld-Schor N, and Porter WP (2012) Biophysical modeling of the temporal niche: from first principles to the evolution of activity patterns. *The American Naturalist*, 179(6): 794-804.
12. Gutman[†] R, Dayan T, **Levy[†] O** (**†first author contribution**), Schubert[†] I, and Kronfeld-Schor N (2011) The effect of the lunar cycle on stress hormone levels and foraging ecology of nocturnally and diurnally active spiny mice. *PLoS ONE*, 6(8): e23446.

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13. **Levy O**, Dayan T, and Kronfeld-Schor N (2011) Interspecific competition and torpor in golden spiny mice: Two sides of the energy acquisition coin. *Integrative and Comparative Biology*, 51(3): 441-448.
14. **Levy O**, Dayan T, and Kronfeld-Schor N (2011) Adaptive thermoregulation in golden spiny mice: The influence of season and food availability on body temperature. *Physiological and Biochemical Zoology*, 84(2): 175-184.
15. Rotics S, Dayan T, **Levy O**, and Kronfeld-Schor N (2011) Light masking in the field: an experiment with nocturnal and diurnal spiny mouse species under semi-natural field conditions. *Chronobiology International*, 28(1): 70-75.
16. **Levy O**, Dayan T, and Kronfeld-Schor N (2007) The relationship between the golden spiny mouse circadian system and its diurnal activity: an experimental field enclosures and laboratory study. *Chronobiology International*, 24(4): 599-613.

Forthcoming (manuscripts available upon request)

Levy O, Dayan T, Porter WP, and Kronfeld-Schor N, Time and ecological resilience: can diurnal animals compensate for climate change by shifting to nocturnal activity? In revision, *Ecological Monographs*.

Wilson RS, Pavlic T, Wheatley R, Niehaus AC, **Levy O**, Modelling the escape success of prey using metrics of running performance.

Levy O, Noronha C, Telemeco RS, Angilletta MJ, Metabolic depression during winter could mitigate impacts of climate change on lizards.

INVITED TALKS

- 2017 Tel Aviv University, Israel
- 2016 Society for Integrative and Comparative Biology, Portland, Oregon, USA
- 2015 Mitrani Department of Desert Ecology, Midreshet Ben-Gurion, Israel
- 2014 Gordon Research Seminar, Biddeford, Maine, USA
- 2013 8th International Symposium on Lacterids, Slovenia
- 2013 International Society of Biogeography, Miami, Florida, USA
- 2013 NSF workshop titled Macrosystems Biology, Arlington, Virginia, USA
- 2012 World Congress of Herpetology, Vancouver, Canada
- 2012 Ecological Society of America, Portland, Oregon, USA
- 2011 Society for Integrative and Comparative Biology, Salt Lake City, Utah, USA
- 2011 Mitrani Department of Desert Ecology, Midreshet Ben-Gurion, Israel

CONTRIBUTED TALKS

- 2017 Society for Integrative and Comparative Biology, New Orleans, Louisiana, USA

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- 2016 Gordon Research Conference, Biddeford, Maine, USA
- 2015 Society for Integrative and Comparative Biology, West Palm Beach, Florida, USA
- 2014 Society for Integrative and Comparative Biology, Austin, Texas, USA
- 2013 Society for Integrative and Comparative Biology, San Francisco, California, USA
- 2013 U.S. Regional Association of the International Association for Landscape Ecology, Austin, Texas, USA
- 2012 Society for Integrative and Comparative Biology, Charleston, SC, USA
- 2011 Society for Integrative and Comparative Biology, Salt Lake City, Utah, USA
- 2010 Sede Boqer Symposium in Memory of Merav Ziv, Midreshet Ben-Gurion, Israel
- 2010 Zoological Society of Israel, Jerusalem, Israel
- 2009 Zoological Society of Israel, Rupin academic college, Israel
- 2006 Zoological Society of Israel, Rehovot, Israel
- 2005 International Chronobiology School, Chroningen, Haren, Netherlands
- 2004 Zoological Society of Israel, Haifa, Israel
- 2004 Society for Research on Biological Rhythms, Whisler, Canada
- 2004 Zoological Society of Israel, Midreshet Ben-Gurion, Israel
- 2002 Israel Physiological and Pharmacological Society meeting, Maale Hachamisha, Israel

CONTRIBUTED POSTERS

- 2014 Society for Integrative and Comparative Biology, Austin, Texas, USA
- 2011 Society for Integrative and Comparative Biology, Salt Lake City, UT, USA
- 2011 Theoretical Models in Ecology, Evolution, and Behavior: Recent Advances and Conceptual Issues, Jerusalem, Israel
- 2010 American Physiological Society Intersociety Meeting: Global Change & Global Science: Comparative Physiology in a Changing World, Westminster, Colorado, USA
- 2008 International Hibernation Symposium, Swakopmund, Namibia
- 2007 Zoological Society of Israel, Raanana, Israel

PROFESSIONAL ACTIVITIES

Reviewer for Journals

American Naturalist (3), Biology Letters, Global Change Biology (2), Ecography (2), Ecology, Ecology Letters (3), Functional Ecology (3), Journal of Arid Environments (2), Journal of Biogeography (2), Journal of Animal Ecology, Journal of Comparative Physiology-B, Journal of Mammalogy, Physiological and Biochemical Zoology, Plos ONE, Proceeding of the Royal Society B, Science, Zoology.

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Memberships in Professional Societies

2012-present Society for Integrative and Comparative Biology
2010-2012 Ecological Society of America
2003-2011 Zoological Society of Israel

TEACHING AND EDUCATIONAL ACTIVITIES

2016 Instructor, Functional Biogeography course, *Arizona State University*.
2014 Supervising an undergraduate student in a research project, *Arizona State University*: Using remote sensing data to analyze the spatial distribution of vegetation cover at 1 m resolution.
2013-2014 Supervising undergraduate students in a research project, *Arizona State University*: Measuring thermal tolerances of lizard embryos.
2005-2009 Teaching Assistant, physiology laboratories, *Tel Aviv University*.
2004-2005 Supervising undergraduate students in a research project, *Tel Aviv University*: The effects of competition and predation risks on foraging behavior.
2003-2004 Research Assistant, *Tel Aviv University*.