

John S. Park

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EDUCATION

- **Ph.D. (Expected 2020) University of Chicago**, *The Committee on Evolutionary Biology*
 - **B.Sc. (2014) Yale University**, *Ecology and Evolutionary Biology*
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RESEARCH AREAS

- Life history evolution and demography in fluctuating environments
 - Phenological diversity and evolution in seasonal environments
 - Conceptualization, measurement, and causal inference of temporal niches in ecological communities
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PEER-REVIEWED PUBLICATIONS

- **Park, J.S.** and Post, E.S. *in review*. About time: the eco-evolutionary dimension of phenology.
- **Park, J.S.** (2019) Cyclical environments drive variation in life history strategies: a general theory of cyclical phenology. *Proceedings of the Royal Society B*, 286 (1898). <https://doi.org/10.1098/rspb.2019.0214>
- **Park, J.S.** and Post, D.M. (2018). Evolutionary history of *Daphnia* drives divergence in consumption preference and alters temporal community dynamics of producers. *Ecology & Evolution*, 8 (2), 859-865. <https://doi.org/10.1002/ece3.3678>
- **Park, J.S.** (2017). A race against time: habitat alteration by snow geese prunes the seasonal sequence of mosquito emergence in a subarctic brackish landscape. *Polar Biology*, 40 (3), 553-561. <https://doi.org/10.1007/s00300-016-1978-y>

Manuscripts in prep

- **Park, J.S.** *in prep*. Experimental test of life-history evolution in fluctuating and stochastic environments.
- **Park, J.S.** and Iles, D.T. *in prep*. Evolutionary fitness of stage-structured populations in periodic, autocorrelated, and stochastic environments.

Forthcoming, invited manuscripts

- **Park, J.S.** in *The Tempo of Our Planet: Challenges Posed by Climate Change, Urbanization & Land Use Changes*, Special Issue edited by Dr. Micaela Martinez in *Philosophical Transactions of the Royal Society B*, scheduled for submission in May 2020.
 - **Park, J.S.** in *Phenological Plasticity: from Molecular Mechanisms to Ecological and Evolutionary Implications*, Special Issue edited by Dr. Lise Aubry and Dr. Cory Williams in *Integrative and Comparative Biology*, scheduled for submission in January 2021.
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GRANTS & FELLOWSHIPS

- **National Science Foundation**, “Eco-evolutionary response to the scale of temporal environmental fluctuation”, NSF-OCE #1851489, awarded to J.T. Wootton (\$459,600), 2019-2022**

***Note: as a graduate student I could not have PI status, but I designed the research, and wrote ~70% of the proposal*

- **University of Chicago Biological Sciences Division**, Donald Steiner Award (\$1,242), 2018
- **U.S. Department of Education**, Graduate Assistance in Areas of National Need (\$68,000), 2016-2018
- **University of Chicago**, Hinds Evolutionary Biology Graduate Student Research Award (\$2,661), 2016
- **Yale University**, Summer Environmental Fellowship for Research in EEB (\$2,000), 2013
- **Yale University**, Sherwood E. Silliman Fellowship for Scientific Research in the Natural Sciences (\$1,000 X 2) 2012, 2013
- **National Science Foundation**, REU (DEB #1019613) - Principal Investigator: David N. Koons, Utah State University (\$7,100), 2012
- **Yale University**, Benjamin Silliman Fellowship (\$1,000), 2011

AWARDS

- **Lotka Prize for Best Theory Poster**, Ecological Society of America Annual Meeting, 2018
- **Wayne C. Booth Graduate Student Prize for Excellence in Teaching**, 2017
Awarded to 4 graduate students across the University of Chicago; nominated by students and faculty
- **NSF Graduate Research Fellowship, Honorable Mention**, 2017
- **William R. Belknap 1872 Prize**, Yale University, 2014
Awarded to 1 graduating senior at Yale University for "Excellence in Biology"
- **Distinction in Major**, Ecology and Evolutionary Biology (Intensive Track), Yale University, 2014
- **Elected Member**, The Explorers Club, 2014
- **"Canada's Top 20 Under 20"**, The Globe and Mail, 2009
- **Environmental Leadership Impact Award**, The Globe and Mail, 2009

PRESENTATIONS

**Invited Speaker*

- **Park, J.S.** (2019). Experimental test of life history evolution in cyclical and stochastic environments: implications for phenology and shifting cycles. **Ecological Society of America**, Louisville, KY, USA.
- ***Park, J.S.** (2018). Eco-evolutionary drivers of seasonal life histories. **University of California, Davis**, CA, USA.
- **Park, J.S.**, Dwyer, G., and Wootton, J.T. (2018). Evolution of life histories in cyclical environments: Theory and test in a tidepool copepod. **Ecological Society of America**, New Orleans, LA, USA.
- **Park, J.S.** (2018) Life History Evolution in Cyclical Environments. **University of Chicago**, Chicago, IL, USA.
- ***Park, J.S.** (2017). Phenological diversity and ecological interactions: a story of snow geese and tundra mosquitoes. *Symposium on Arctic, Antarctic, Alpine Insects: Research from the Earth's Coldest and Most Rapidly Changing Environments*, **Entomological Society of America**, Denver, CO, USA.
- ***Park, J.S.** (2016). Watching mosquitoes through the season: Questions about the temporal dimension in nature. **The Explorers Club Symposium**, Salt Spring Island, BC, Canada.

- **Park, J.S.** (2014). Life history divergence in *Daphnia ambigua* and its multitrophic cascade effects on temporal community composition patterns in phytoplankton. **Yale University**, New Haven, CT, USA.

Peer-reviewer for: *Journal of Animal Ecology, Experimental Gerontology, Integrative and Comparative Biology*

<Updated: September 2019>