

Jonah Bloch-Johnson

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EDUCATION

University of Chicago (2012 - *expected Summer 2017*), Ph.D. candidate in Geophysical Sciences.
Supervisors: Dorian Abbot, Ray Pierrehumbert
Topic: Climate feedback temperature dependence
Columbia University (2005 - 2008), B.A. in Mathematics and Music.
Oberlin College and Conservatory (2003 - 2005), pursued B.A. in Mathematics and B.M. in Music Composition.

PUBLICATIONS

Bloch-Johnson, J., D.S. Abbot, and R.T. Pierrehumbert (2015), Feedback temperature dependence determines the risk of high warming, *Geophysical Research Letters*, 42, 12.
Bloch-Johnson, J., D.S. Abbot, and R.T. Pierrehumbert (2017), State-dependence climate sensitivity in a perturbed physics ensemble (in prep.)
Rugenstein, M., **Bloch-Johnson, J.**, et al. (2017), LongRunMIP: an archive of millennial-scale climate simulations (in prep.)

WORKSHOPS

Rosbypalooza, 2016; Chicago, IL - Head organizer of the inaugural year of a week-long workshop bringing together an international group of sixty climate scientists and statisticians for a lecture series and a hackathon.
LongRunMIP Workshop, 2016; Hamburg, Germany - Co-organizer of first meeting of participants in the LongRunMIP archive.
Urbino Summer School for Paleoclimate, 2015; Urbino, Italy - participant; learned about proxies used to reconstruct climate from across the Cenozoic.
Climate Data Hackathon at University of Chicago, 2014; Chicago, IL - Co-organizer of day-long hackathon at the Department of the Geophysical Sciences.
MCRN Climate Data Hackathon, 2014; Chapel Hill, NC - Head organizer of two-day hackathon at the Math Climate Research Network annual meeting.
CESM Tutorial, 2013; Boulder, CO - participant; learned how to run and alter NCAR's CESM climate model.

SELECTED TALKS

Informal seminar, Feedback temperature-dependence and the risk of extreme global warming, *ETH Zurich* (Zurich, Switzerland; 2016).

Invited seminar, Feedback Temperature Dependence: Ramifications for the Long Tail of Climate Sensitivity and the PETM, *Max Planck Institute for Meteorology* (Hamburg, Germany; 2015).

Invited online seminar, Global warming could be nonlinear, *MCRN Colloquium webinar* (Math Climate Research Network; 2015).

Oral presentation, The Temperature Dependence of Feedbacks and Equilibrium Climate Sensitivity, *AMS Sectional Meeting* (Washington, DC; 2015).

Oral presentation, The Temperature Dependence of Feedbacks and Equilibrium Climate Sensitivity, *AGU Fall Meeting* (San Francisco, CA; 2014).

TEACHING, SERVICE, AND OTHER SKILLS

Teaching

2015,2016 TA, The Atmosphere

2014 TA, Natural Hazards

2012-2013 TA and software developer, Global Warming: Understanding the Forecast

Co-organizer, LongRunMIP (2016-present): working with Maria Rugenstein (ETH) to compile an archive of millennial-scale coupled climate runs; participation from eight modelling centers

Reviewer, for *Climate of the Past*

Outreach, Pint of Science (2016)

Programming languages: fluent in Ruby (creator of the Crewait gem, with 30,000+ downloads) and Rails web-framework; comfortable in Javascript (jQuery, d3.js), Python, Julia, Fortran

AWARDS AND FELLOWSHIPS

NSF USSP Fellowship, for attendance of the Urbino Summer School for Paleoclimate (Urbino, Italy; 2015).

NYCSeedStart 2010, for developing a web application that aids in comparing the cost and environmental benefits of various NYC electricity plans (New York, NY; 2010).

Green:Net 09 LaunchPad, for developing a web application that automatically tracks greenhouse gas emissions based on credit card statements (\$12k; San Francisco, CA; 2009).

PREVIOUS WORK EXPERIENCE

Almanac Environmental Services, Inc., *co-founder, CEO* developed web applications that aided environmentally conscious purchasing decisions (New York, NY; 2008-2011).

Freelance Web Development, built online tutoring website (including a payment system and integration with video conferencing), quizzes and games (New York, NY; 2012).