

Samuel S. Snow
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Current Address:
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EDUCATION

Yale University, M.S., Ph.D. Candidate in Ecology and Evolutionary Biology
New Haven, CT 06511
Expected Graduation: June 2021

Dartmouth College, B.A. with High Honors in Biology
Magna Cum Laude, Phi Beta Kappa
Hanover, NH 03755
Graduated: June 2011

PROFESSIONAL APPOINTMENTS

Feb 2021 - Present **Postdoctoral Associate**, Yale University, New Haven, CT

Aug 2019 - Present **Visiting Scholar**, Carleton University, Ottawa, Canada

GRANTS AND FELLOWSHIPS

2016 E&EB Department Chair's Fund Award, Yale University; \$1,000

2014 Doctoral Pilot Grant, Yale Institute for Biospheric Studies; \$1,500

2014-19 NSF Graduate Research Fellowship, Yale University; \$96,000 stipend + tuition

2013-14 NIH Genetics Training Grant, Yale University; \$32,000 stipend + \$1,100 travel allowance + tuition

2013 E&EB Department Chair's Fund Award, Yale University; \$2,000

2010 NSF Research Experience for Undergraduates, Dartmouth College; \$4,000

2009 Dickey Center International Fellow, OCEANS Research, Mossel Bay, South Africa; \$4,000

PUBLICATIONS

5. **Snow, S. S.** & R. O. Prum. *In Review*. Remodeling male coercion and the evolution of sexual autonomy by mate choice. *Proceedings of the Royal Society of London, Series B: Biological Sciences*.
4. **Snow, S. S.**, S. H. Alonzo, M. R. Servedio, & R. O. Prum. 2019. Female resistance to sexual coercion can evolve to preserve the indirect benefits of mate choice. *Journal of Evolutionary Biology* 32:545-558.
3. **Snow, S. S.**, L. Sandoval, & H. F. Greeney. 2017. The nest and eggs of Rufous Mourner (*Rhytipterna holerythra*). *The Wilson Journal of Ornithology* 129(3):626-630.
2. **Snow, S. S.**, D. J. Field, & J. M. Musser. 2015. Interspecific competition in *Grallaria Antpittas*: observations at a feeder. *Bulletin of the Peabody Museum of Natural History* 56(1):89-93.
1. Roughgarden, J, E. Adkins-Regan, E. Akcay, J. C. Crawford, R. Gadagkar, Simon C. Grith, C. Hinde, T. Hoquet, C. O'Connor, Z. M. Prokop, R. O. Prum, S. Shafir, **S. S. Snow***, D. Taylor, J. Van Cleve & M. Weisberg. 2014. Sexual selection studies: a NESCent catalyst meeting. *PeerJ PrePrint*. doi: 10.7287/peerj.preprints.680v1

MANUSCRIPTS IN PREPARATION:

Snow, S. S., G. Patricelli, C.T. Butts, A. H. Krakauer, A. Perry, R. Logsdon, & R. O. Prum. (*in prep*). Fighting isn't sexy in lekking Greater Sage-grouse (*Centrocercus urophasianus*).

PRESENTATIONS

- Jul. 2020 *Fighting isn't Sexy in Lekking Greater Sage-grouse (Centrocercus urophasianus)*. Animal Behavior Society Virtual Meeting. 6-min talk and live Q&A. <https://samsnowscience.com/media/>
- Nov. 2019 *Understanding the dynamic role of aggression in Greater sage-grouse using Relational Event Models (REMs)*. Invited talk at the Social Network Research Group. University of California, Irvine. 30-min talk.
- Jun. 2019 *Female resistance to sexual coercion can evolve to preserve the indirect benefits of mate choice*. Evolution Meeting. Providence, RI. Poster.
- Jun. 2017 *Remodeling and Deweaponization as an Alternative to a Sexually Antagonistic Arms Race*. Evolution Meeting. Portland, OR. 15-min talk.
- Mar. 2017 *Sexual Conflict and the Evolution of Social Behavior in Lek-Breeding Systems*. Invited talk at the Yale Institute for Network Science. Yale University. 30-min talk.
- Jan. 2016 *Sexual Conflict, the Tragedy of the Commons, and the Evolution of Sociality in Lek-Breeding Systems*. Invited talk at Dr. Gail Patricelli Lab. University of California, Davis. 30-min talk.
- Nov. 2015 *Sexual Conflict, the Tragedy of the Commons, and the Evolution of Sociality in Lek-Breeding Systems*. Invited talk at Princeton University EEB Lab Tea Seminar. Princeton, NJ. 30-min talk.
- Aug. 2014 *"Broad-Sense" Sexual Conflict: The Evolution of Female Sexual Autonomy and Theoretical Implications for the Evolution of Morphology and Complex Behavior in Birds*. International Ornithological Congress. Tokyo, Japan. 15-min talk.
- Jun. 2014 *"Broad-Sense" Sexual Conflict: A New Model of Evolution of Resistance to Sexual Violence*. Evolution meeting. Raleigh, NC. 15-min talk.
- Oct. 2013 *Modeling "Broad-Sense" Sexual Conflict Evolution: Mechanisms of Female Autonomy and Resistance to Coercion*. 2013 joint DVM/DCB Northeast Regional meeting of the Society for Integrative and Comparative Biology. New Haven, CT, 5-min talk.

PUBLIC OUTREACH AND MEDIA

Sexual Conflict over Mate Choice: From Natural History to Evolutionary Insight. A public Research Spotlight webinar for the Yale Peabody Museum of Natural History, with Q&A afterward. It was a fun opportunity to bring my evolutionary theory modeling work to a general audience. Feb 25, 2021. 45 min invited webinar. https://www.youtube.com/watch?v=EJwXLprYb_w

The Story Collider: Pressure. A live-audience storytelling event with the science podcast "The Story Collider." I told a personal story about the tension between the pressure to collect as much data as possible and the necessity of trying to minimize risks in science, drawing on my experiences as a research assistant mist-netting birds in central China. Union Hall, Brooklyn, NY. May 16, 2017. 15-min story. <https://www.storycollider.org/stories/2017/10/27/pressure-stories-about-stressful-situations?rq=pressure>

"Cicada Practices." A popular science booklet on cicada breeding biology in Martha's Quarterly Issue 2, part of an Artist Book subscription series in collaboration with New York Artist Tammy Nguyen. New York, NY. Winter 2016.

PBS WNET Thirteen Nest Extravaganza. Panel discussion and presentation of bird nest specimens from the Yale Peabody Museum with Janet Hess, writer of PBS Nature's Animal Homes Part One: The Nest and Fred Kaufman, PBS Nature Executive Producer. Tisch WNET Studios at Lincoln Center, New York, NY. Nov 17, 2015. 90 minutes.

Avian taxidermy demonstration at Pierrepont Academy. I performed a hands-on demo of a cardinal being prepared as a scientific specimen for the first and fourth grade at art classes. Students drew what they saw and experienced while learning about bird behaviors and anatomy. Westport, CT. Nov 12, 2014.

Yale Peabody Museum of Natural History Vertebrate Zoology Tours. Throughout my time as a graduate student at Yale, I have led dozens behind-the-scenes tours of the world-class vertebrate zoology research collection for members of the public. It is one of my absolute favorite things – sharing the exciting breadth of biodiversity with diverse audiences.

TEACHING AND MENTORING

I find teaching, especially hands-on, experiential pedagogy, to be one of the most rewarding aspects of being a scientist.

Classroom Instruction:

- **Co-Instructor: Getting Comfortable Coding in R**, *Introduction and live-coding workshop*. Yale University; Online class. Jun 23, 2020.
- **Guest Lecture in Social Evolution (BIOL 3804)**, *Course Introduction*. Carleton University. Jan 7, 2020. 90-min.
- **Guest lecture in Sexual Selection and Parental Investment (Anthropology 801)**, *Sexual Conflict over Indirect Benefits: Implications for the Evolution of Mating Interactions*. Yale University. Oct 27, 2016. 50-min talk.

Undergraduate Senior Thesis Advising:

- **Benjamin Klempay**, Yale University. 2017. The Tragedy of the Lek: a game-theoretic approach to understanding courtship disruption in male Sage-grouse. ****Winner of Edgar J. Boell Thesis Prize for excellence in Biology**
- **Rebecca Pless**, Pitzer College. 2017. Lekking behavior, sexual selection, and male aggression in the Greater Sage-Grouse (*Centrocercus urophasianus*).
- **Meredith Rizzo**, Yale University. 2017. A study of social stability of lekking males in Greater Sage-grouse.
- **Emma Simon**, Yale University. 2016. Male-Male Aggression and Reproductive Success on the Leks of the Greater Sage-grouse (*Centrocercus urophasianus*).

Teaching Fellowships:

- Spring 2017 **Ornithology Lecture**
- Spring 2016 **Ornithology Lecture**
- Fall 2014 **The Evolution of Beauty; Lecture & Discussion Section**
- Spring 2013 **Ornithology Lab & Lecture**
- Spring 2012 **Ornithology Lab & Lecture**

Professional Development:

- **Undergraduate Teachers in Evolution Workshop** at Evolution Meeting (2013, 2014, 2017, 2019)

PROFESSIONAL SERVICE AND COMMUNITY LEADERSHIP

Peer Reviewer: American Naturalist (1), Neotropical Ornithology (1)

Book Reviewer: Christakis, N. *Blueprint: The Evolutionary Origins of a Good Society*. Little, Brown & Co. 2019.

Community Organizing Coordinator: Yale Local 33 Graduate Employees Union, 2012-2015

Elected Graduate Student Representative: Yale EEB Faculty Search Committee, 2019

RELEVANT RESEARCH EXPERIENCE

Project Leader; Social behavior of the Red-capped and Golden-headed manakins (*Ceratopipra mentalis* and *C. erythrocephala*). *La Selva Biological Station, Heredia, Costa Rica and Tiputini Biodiversity Station, Orellana, Ecuador: Feb- May 2015.*

Peabody Museum Volunteer Specimen Preparator,

Yale Peabody Museum of Natural History, Department of Vertebrate Zoology: 2012-2019

Field Research Technician; Nest-dismantling behavior of the Hair-crested Drongo, *Dicrurus hottentotus*,
Dongzhai National Nature Reserve, Henan, China: Apr-Aug 2012

Field Research Technician; Demography of the White-crested Elaenia, *Elaenia albiceps*,
Parque Nacional Nahuel Huapi, Patagonia, Argentina: Nov-Dec 2011

Field Research Technician; White-Sand Forest Specialists, Iquitos area, Peru: Aug-Nov 2011

Honors Thesis Research; Sexual selection on morphological characters in the damselfly *Calopteryx maculata*.
Dr. Mark McPeck advised, Dartmouth College: Jun 2010-Jun 2011

Dartmouth Foreign Study Program in Ecology, Costa Rica and Little Cayman Island: Jan-Apr 2010

OCEANS Research Intern, Acoustic telemetry of Great White sharks (*Carcharodon carcharias*),
Mossel Bay, South Africa: Feb-Apr 2009

OTHER SKILLS AND CERTIFICATIONS

Language: Spanish proficiency; five years of Japanese language study and six-week exchange in Japan in 2006

Metal Work & Museum Skills: Wire wrapping, fine soldering, wax carving, vacuum casting, stone setting (prong and bezel), chasing, riveting, forging, etching, polishing, drill press, hydraulic press, flex-shaft, lamp-work, and lapidary work. Avian specimen preparation: study skins and skeletons, armatures and mounting for display.

Certifications: PADI Advanced Open Water Diver, Heartsaver CPR and First Aid

REFERENCES

Richard O. Prum, Ph.D.

William Robertson Coe Professor of Ornithology
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Maria R. Servedio, Ph.D.

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Gail L. Patricelli, Ph.D.

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Carter T. Butts, Ph.D.

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Professor, Institute for Mathematical Behavioral Sciences
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