

**Samuel S. Snow**  
Samuel.s.snow@gmail.com

**Current Address:**

Biodiversity Research Centre 140, University of British Columbia  
2212 Main Mall, Vancouver, BC, Canada V6T 1Z4  
Cell: +1 513 706 2644

**EDUCATION**

---

<b>Yale University</b> , M.S., Ph.D. in Ecology and Evolutionary Biology	New Haven, CT 06511 Graduated: June 2021
<b>Dartmouth College</b> , B.A. with High Honors in Biology Magna Cum Laude, Phi Beta Kappa	Hanover, NH 03755 Graduated: June 2011

**PROFESSIONAL APPOINTMENTS**

---

Jun 2023 – Present	<b>Postdoctoral Research Fellow</b> , University of British Columbia, Vancouver, Canada
Sep 2022 – Dec 2022	<b>Adjunct Professor</b> , Toulouse School of Economics, France
Sep 2021 – May 2023	<b>Postdoctoral Research Fellow</b> , Institute for Advanced Study in Toulouse, France
Feb 2021 – Aug 2021	<b>Postdoctoral Associate</b> , Yale University, New Haven, CT
Aug 2019 – Aug 2021	<b>Visiting Scholar</b> , Carleton University, Ottawa, Canada

**GRANTS AND FELLOWSHIPS**

---

2021-23	IAST Research Fellowship; €120,000 stipend + €11,000 research funds
2014-19	NSF Graduate Research Fellowship, Yale University; \$96,000 stipend + tuition
2016	E&EB Department Chair's Fund Award, Yale University; \$1,000
2013-14	NIH Genetics Training Grant, Yale University; \$32,000 stipend + \$1,100 travel allowance + tuition
2014	Doctoral Pilot Grant, Yale Institute for Biospheric Studies; \$1,500
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**

---

7. **Snow, S. S.** & R. O. Prum. 2023. Remodeling male coercion and the evolution of sexual autonomy by mate choice. *Evolution* 77(7):1564-1577.
6. **Snow, S. S.**, G. Patricelli, C.T. Butts, A.H. Krakauer, A. Perry, R. Logsdon, & R.O. Prum. 2022. Fighting isn't sexy in lekking Greater Sage-grouse (*Centrocercus urophasianus*). *bioRxiv*. doi: [10.1101/2022.08.26.505294](https://doi.org/10.1101/2022.08.26.505294)
5. **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.
4. Edwards, B. P. M., A. D. Binley, W. B. English, E. J. Hudgins, & **S. S. Snow\***. 2022. A highly anomalous Red-Winged Blackbird (*Agelaius phoeniceus*) song. *Canadian Field-Naturalist* 136(1):1-4.
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.680v3

## PRESENTATIONS

---

- Aug. 2022 *Fighting isn't Sexy in Sage-grouse*. International Ornithological (Virtual) Congress, Invited Symposium talk: Multimodality and choreography in elaborate displays. 25-min talk; live Q&A.
- Jul. 2022 *Fighting isn't Sexy in Lekking Greater Sage-grouse (Centrocercus urophasianus)*. International Society for Behavioral Ecology Congress. Stockholm, Sweden. 12-min talk.
- Jul. 2020 *Relational Event Models (REMs) Reveal that Fighting isn't Sexy in Lekking Greater Sage-grouse*. Animal Behav. Soc. Virtual Meeting. 6-min talk; 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; Social Network Research Group. Univ. 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 Dewatering 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 *The "Tragedy of the Lek" 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 *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

---

**Yale Peabody Museum of Natural History Vertebrate Zoology Tours.** Throughout my time as a graduate student at Yale, I regularly led 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. New Haven, CT. 2012-2020.

**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](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 maximize data collection 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 collab. 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 Pierrepoint 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.

**Interpretive Aquarium Programs.** As an intern with OCEANS research, I became involved with a local aquarium and created its first outreach program: I hand-painted fish ID plates and gave public tours with shark and octopus feeding demonstrations. Mossel Bay, South Africa. Feb-Apr 2009.

## **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:**

- **Adjunct Professor/Sole Instructor: Introduction to Ecology for Economists**, *Second-year Masters-level course*. Toulouse School of Economics. Sep – Jan, 2022.
- **Co-Instructor: Getting Comfortable Coding in R**, *Introduction and live-coding workshop*. Yale University; Online class. Jun 23, 2020.
- **Guest Lecture: Social Evolution (BIOL 3804)**, *Course Introduction*. Carleton Univ. Jan 7, 2020. 90-min.
- **Guest lecture: Sexual Selection and Parental Investment (Anthropology 801)**, *Sexual Conflict over Indirect Benefits: Implications for the Evolution of Mating Interactions*. Yale Univ. Oct 27, 2016. 50-min.
- **Guest Instructor: Avian Mist-netting Workshop**, *Hands-on demonstration of mist-netting and morphological data collection for students of Boston University's undergraduate field course in Ecology*. Boston Univ., Tiputini Biodiversity Station, Ecuador. Apr 23, 2015

### **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**

---

**Conference Co-organizer and Chair:** Global Friends of IAST conference, Jun 29-30, 2023

**Session Chair:** Animal Behavior Society Meeting 2020

**Peer Reviewer:** American Naturalist (1), Neotropical Ornithology (1), Behavioral Ecology and Sociobiology (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. \*\*Included IACUC protocol development and implementation*

**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:** Conversational French and Spanish; 5 yrs Japanese language study and 6-wk exchange in Japan in 2006

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

**Certifications:** PADI Advanced Open Water Diver, Certified Pleasure Craft Operator (Transport Canada)

**REFERENCES**

---

**Richard O. Prum, Ph.D.**

William Robertson Coe Professor of Ornithology  
Dept. Ecology and Evolutionary Biology, ESC 164  
Yale University  
PO Box 208105, New Haven, CT 06520  
(203) 432-9423  
richard.prum@yale.edu

**Maria R. Servedio, Ph.D.**

Professor  
Dept. of Biology, CB# 3280 Coker Hall  
The University of North Carolina at Chapel Hill  
Chapel Hill, NC 27599  
(919) 843-2692  
servedio@email.unc.edu

**Gail L. Patricelli, Ph.D.**

Professor & Chancellor's Fellow  
Dept. of Evolution and Ecology, 2320 Storer Hall  
University of California, Davis  
One Shields Ave., Davis, CA 95616  
(530) 754-8310  
gpatricelli@ucdavis.edu

**Carter T. Butts, Ph.D.**

Professor, Sociology; School of Social Sciences  
Professor, Institute for Mathematical Behavioral Sciences  
Professor (Courtesy), Statistics; Donald Bren School of Information and Computer Sciences  
SSPA 2145  
University of California, Irvine  
Mail Code: 5100, Irvine, CA 92697  
(949) 824-8591  
buttsc@uci.edu