

Samuel S. Snow  
Samuel.Snow@yale.edu

**Current Address:**  
EEB Dept., CTTC 4<sup>th</sup> Floor  
Carleton University, Ottawa, ON, Canada  
Cell: +1 (513) 706-2644

**EDUCATION**

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**Yale University, M.S., Ph.D. Candidate in Ecology and Evolutionary Biology** New Haven, CT 06511  
Began Fall 2012, Advanced to Candidacy Fall 2014 Expected Graduation: Dec 2020

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

**PROFESSIONAL APPOINTMENTS**

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2019-Present **Visiting Scholar**, Carleton University, Dept. Ecology, Evolution, and Behaviour, Ottawa, Canada

**GRANTS AND FELLOWSHIPS**

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

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

2014-Present 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**

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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.** & R. O. Prum. (*in prep*). Remodeling as an alternative to the arms race of sexually antagonistic coevolution.

**Snow, S. S.**, C.T. Butts, A. H. Krakauer, A. Perry, R. Logsdon, G. Patricelli, & R. O. Prum. (*in prep*). Relational Event Model reveals the dynamic role of male aggression in lekking Greater Sage-grouse.

## PRESENTATIONS

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- Jul. 2020 *Fighting isn't Sexy in Lekking Greater Sage-grouse (Centrocercus urophasianus)*. Animal Behavior Society Virtual Meeting. 6-min pre-recorded talk and live Q&A.
- 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 SICB meeting. New Haven, CT, 5-min talk.

## PUBLIC OUTREACH AND MEDIA

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***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.

## TEACHING AND MENTORING

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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 Advising:**

I have mentored four undergraduates on senior theses:

- **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**

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

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

#### **RELEVANT RESEARCH EXPERIENCE**

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**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- Present*

**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*

## **REFERENCES**

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**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