

# Julia D. Monk

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## EDUCATION

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**Yale University**, New Haven, CT Fall 2016 – present  
Ph.D. in Forestry and Environmental Studies Advisor: Dr. Oswald J. Schmitz

**Columbia University**, New York, NY Fall 2009 – Spring 2013  
B.A. magna cum laude with honors in Environmental Biology GPA: 3.88

## GRANTS

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**Doctoral Pilot Award (\$2,900)**, Yale Institute for Biospheric Studies 2017  
**TRI Endowment Fellowship (\$5,000)**, Yale Tropical Resources Institute 2017  
**Schiff Fund for Wildlife Habitat, and the Environment (\$2,000)**, Yale University 2017  
**Craig Undergraduate Research Grant (\$3,000)**, Columbia University E3B 2012

## FELLOWSHIPS AND AWARDS

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**Dean's Emerging Scholars Fellowship (\$11,000)**, Yale University 2016 – 2019  
**NSF Graduate Research Fellowship – Honorable Mention** 2016  
**Departmental Thesis Award**, Columbia University E3B 2013  
**Phi Beta Kappa**, Columbia University 2013

## PEER-REVIEWED PUBLICATIONS

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DeRose Wilson, A., K.L. Hunt, **J.D. Monk**, D.H. Catlin, S.M. Karpanty and J.D. Fraser.  
(In review). Piping plover chick survival reduced by human presence.

**Monk, J.D.**, A. DeRose-Wilson, J.D. Fraser, D.H. Catlin and S.M. Karpanty. 2016.  
Observation of fish consumption by Piping Plovers. *Northeastern Naturalist* 23:N22-  
N25.

## TALKS AND PRESENTATIONS

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**Monk, J.D.** 2017. Predation, scavenging, and the fate of nutrients in the high Andes. Flash talk. **Yale Forestry & Environmental Studies Research Conference**, New Haven, CT.

**Monk, J.D.** 2017. Pumas, condors, and Andean biogeochemistry. *Invited seminar*. **University of Virginia Department of Environmental Sciences**, Charlottesville, VA.

**Monk, J.D.** 2014. Effects of fire on greater sage-grouse (*Centrocercus urophasianus*) brood-rearing habitat and food resources in the Centennial Sandhills, MT. Poster presentation. **Student Conference on Conservation Science**, New York, NY.

**Monk, J.D.** 2013. Effects of fire on greater sage-grouse (*Centrocercus urophasianus*) brood-rearing habitat and food resources in the Centennial Sandhills, MT. Oral presentation. **Local Sagebrush and Grassland Ecology Symposium**, Centennial Fire Learning Network, Lima, MT.

**Monk, J.D.** 2013. Effects of fire on greater sage-grouse (*Centrocercus urophasianus*) brood-rearing habitat and food resources in the Centennial Sandhills, MT. Oral presentation. **Senior Thesis Poster Session**, Columbia University, New York, NY.

## OTHER PUBLICATIONS

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Carey, A.M., K. Miles, S.G. Robinson, K.M. Walker, E. Kwon, **J.D. Monk**, H.A. Bellman, A. DeRose-Wilson, K. Hunt, J.D. Fraser, D.H. Catlin, S. Ritter, S.M. Karpanty and D. Sanger. 2017. Multiple factor analysis of piping plovers and other beach dependent species habitat use and population dynamics following storm and human created habitat changes to barrier island habitats within the Fire Island National Seashore. Technical Report to the U.S. Fish and Wildlife Service. Long Island Field Office, Shirley, NY.

**Monk, J.D.**, A. DeRose-Wilson, J.D. Fraser, D.H. Catlin and S.M. Karpanty. 2015. Migratory Shorebird Monitoring on Fire Island, NY. Technical Report to the U.S. Fish and Wildlife Service. Long Island Field Office, Shirley, NY.

**Monk, J.D.**, K. Miles, A. Derose-Wilson, J.D. Fraser, D.H. Catlin, S. Ritter, K.M. Walker and S.M. Karpanty. 2015. Annual Report for Piping Plover and Red Fox Monitoring on

Fire Island and Westhampton Island, New York. Technical Report to the U.S. Fish and Wildlife Service. Long Island Field Office, Shirley, NY.

**Monk, J.D.** 2015. Variation in greater sage-grouse invertebrate prey stocks across habitat types in a sagebrush landscape in the Centennial Valley, MT. Internal report, The Nature Conservancy, Helena, MT.

**Monk, J.D.** 2013. Effects of dominant vegetation on invertebrate biomass in the Centennial Valley's Patchtop Ranch. Internal report, The Nature Conservancy, Helena, MT.

**Monk, J.D.** 2012. Effects of fire on greater sage-grouse (*Centrocercus urophasianus*) brood-rearing habitat and food resources in the Centennial Sandhills, MT. Senior thesis. Columbia University, New York, NY.

## RESEARCH EXPERIENCE

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**Yale University – Dissertation Research**, San Guillermo NP, Argentina 2017-present  
Pumas, vicuñas, condors, and the role of food webs in nutrient cycling and ecosystem function in the High Andes

**Virginia Tech Shorebird Program**, Fire Island, NY Spring 2014 – Fall 2016  
*Field Manager (2016), Crew Leader (2015), and Research Technician (2014)*  
Effects of storm- and human-induced habitat change on piping plovers and red foxes post-Hurricane Sandy

**Columbia University – Independent Research**, Centennial Valley, MT Summer 2012  
Effects of fire on greater sage-grouse (*Centrocercus urophasianus*) brood-rearing habitat and food resources in the Centennial Sandhills, MT

**The Nature Conservancy**, Centennial Valley, MT Summers 2010 – 2013  
*Land Stewardship Assistant (2013), Invasive Species and Restoration Intern (2010-2012)*  
Wildlife monitoring, land management, and stakeholder engagement in forests, sagebrush steppe, and rangelands in the Centennial Valley

**University of Montana/SUNY Stony Brook**, Iguazu, Argentina Summers 2006 – 2008  
*Research Assistant for Dr. Charles Janson*  
Research on group foraging decision-making and predator detection by brown capuchin monkeys

## TEACHING EXPERIENCE

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**Teaching Assistant**, Ecology and the Future of Life, Yale College 2017  
**Guest Lecturer**, Yellowstone Field Course, Ecology Project International 2010-2013

## MENTORING AND OUTREACH EXPERIENCE

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**Fieldwork Mentor and Supervisor**, High School Interns  
Branford Land Trust intern, Branford, CT 2017  
Nature Conservancy LEAF interns, Centennial Valley, MT 2011-2013  
**Mentor**, Women in Science at Yale 2016-present  
**Social Media Coordinator**, Schmitz Lab twitter account 2016-present  
**Multicultural Recruitment Committee Co-Chair**, Columbia University 2011-2013

## PROFESSIONAL SERVICE

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**Reviewer:** *Biological Invasions*

**Conference Organizer:** 34<sup>th</sup> Annual Yale Forestry & Environmental Studies Research Conference (2018)

**Translator:** Western Hemisphere Shorebird Conference (2015), various journal and conference abstracts

## SKILLS

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### Languages:

- Fluent: Spanish (heritage speaker with extensive translation experience)
- Intermediate: Brazilian Portuguese, Hebrew, French
- Elementary: Hindi-Urdu

### Computer Software:

- Statistics: R, SAS
- Environmental Analysis: ArcGIS, Program MARK

### Research and Technical:

- Machinery: Experience operating chainsaws, ATVs, manual transmission vehicles
- Animal capture and handling: USFWS endangered species authorization for bird banding and banding supervision; experience setting Sherman traps, foothold traps, and cage traps for small-medium mammals
- Ecological research: VHF telemetry and triangulation, camera trapping, mark-recapture, pitfall trapping, sweep netting, cattle herding