

## Education

- Ph.D. Ecology and Evolutionary Biology. Columbia University. 2015.
- M.Phil. Ecology and Evolutionary Biology. Columbia University. 2013.
- M.ESc. Environmental Science. Yale School of Forestry and Environmental Studies. 2010.
- B.S. Environmental Studies. Emory University. 2006.

## Appointments

- Scientist in Residence. School of Wildlife Conservation, African Leadership University. August 2017-present
- Conservation Science Research and Teaching Postdoctoral Fellow. Center for Biodiversity and Conservation, American Museum of Natural History. May 2015-present
- Adjunct Faculty. Advanced Academic Programs, Johns Hopkins University. January 2017-present
- Adjunct Faculty. Department of Ecology, Evolution, and Environmental Biology, Columbia University. January 2017-present
- Scientist in Residence. The Earth Institute, Columbia University. 2014-2015
- Research Assistant. Sustainable Development Programme Office, World Wildlife Fund. 2006-2008

## Selected Publications

- In review  
**Wynn-Grant R**, Ginsberg JR, Lackey C, Sterling EJ, and Beckmann JP. Colonizing fronts of large carnivores: modeling impact of anthropogenic factors on habitat and resource selection. *Ecography*.
- Wynn-Grant R**, Ginsberg JR, Lackey C, Sterling EJ, and Beckmann JP. Conflict carnivores: assessing the impact of scale on estimates of carnivore mortality risk. *Biological Conservation*.
- Published  
Prager C.M., Varga A, Olmsted, P, Ingram J.C., Cattau M, Freund C, **Wynn-Grant R**, and Naeem S. An assessment of adherence to basic ecological principles by payments for ecosystem service projects. *Conservation Biology*, 29(5). 2015
- Peth, D., Hoyle, J., Alcott, E., Siegal, J., Kamal, S., **Wynn-Grant, R.**, Clark, SG. 2015. The Greater Yellowstone Ecosystem: Rapid Appraisal and Recommendations. In Clark, S.G., Hohl, A., Picard, C. and Thomas, E., eds. *Large Scale in the Common Interest.* New York, NY: Springer International

Publishing.

Newsome, D., Hoyle, J., Rosen, T., Kamal, S., **Wynn-Grant, R.**, Anderson, C., Alcott, E., Siegal, J. 2010. Large Scale Conservation in the Greater Yellowstone Ecosystem: A Field Assessment and Recommendations. In Clark, S.G., Hohl, A., Picard, C. and Newsome, D., eds., *Large Scale Conservation: Integrating Science, Management, and Policy in the Common Interest*. New Haven, CT.: Yale University Press.

### Scientific Presentations

**Wynn-Grant, Rae.** Malone, C. July 2017. *Tools for Fostering Inclusive Conservation Science Communication*. Collaborative Workshop. Biannual meeting. **Society for Conservation Biology International Congress for Conservation Biology**. Cartagena, Colombia.

**Wynn-Grant, Rae.** July 2017. *What do equity, inclusion, and diversity mean for an international organization like SCB?* Knowledge Cafe. Biannual meeting. **Society for Conservation Biology International Congress for Conservation Biology**. Cartagena, Colombia.

**Wynn-Grant, Rae.** June 2017. *Black bear habitat selection at multiple scales: evaluating the influence of human activity on source-sink dynamics*. Keynote presentation. Summer Retreat. **University of Florida Doris Duke Conservation Scholars Program**. National Conservation Training Center, Shepherdstown, WV.

**Wynn-Grant, Rae.** June 2017. *Meet the Scientist: Exploring carnivores globally*. Invited lecture. **Science and Nature Program, American Museum of Natural History**. New York, NY.

**Wynn-Grant, Rae.** March 2017. *Conservation for the Community: Case studies of wildlife protection efforts from the Western US and East Africa*. Invited seminar. **Johns Hopkins University Advanced Academic Programs Faculty Speaker Series**. Washington, DC.

**Wynn-Grant, Rae.** January 2017. *Modeling black bear habitat connectivity in a human dominated system*. Invited seminar. **University of Florida Wildlife Ecology and Conservation Seminar Series**. Gainesville, FL.

**Wynn-Grant, Rae.** January 2017. *Carnivore mortality risk at multiple scales: evaluating the influence of human activity on source-sink dynamics*. Keynote presentation. Winter Workshop. **University of California at Santa Cruz Doris Duke Conservation Scholars Program**. Santa Cruz, California.

**Wynn-Grant, Rae.** November 2016. *Principles of Conservation Science*. Guest lecture. **School of International and Public Affairs, Columbia University**. New York, NY.

**Wynn-Grant, Rae.** October 2016. *When Good Animals Love Bad Habitat: Ecological trap theory and human-wildlife conflict.* Guest lecture. **Pace University, Department of Environmental Studies and Science.** New York, NY.

**Wynn-Grant, Rae.** April 2016. *Human-Bear Conflict in the Western Great Basin.* Invited presentation. Advisory Council Meeting. **Center for Biodiversity and Conservation, American Museum of Natural History.** New York, NY.

**Wynn-Grant, Rae.** October 2015. *Using Anthropogenic Parameters at Multiple Scales to inform Conservation and Management of a Large Carnivore.* Research Seminar. **Department of Ecology, Evolution, and Environmental Biology (E3B), Columbia University.** New York, NY.

**Wynn-Grant, Rae.** October 2015. *Testing Carnivore Mortality Risk at Multiple Scales.* Oral presentation. Annual meeting. **Student Conference on Conservation Science, American Museum of Natural History.** New York, NY.

**Wynn-Grant, Rae.** March 2015. *Quantifying the Human Footprint to Evaluate Carnivore Mortality Risk in a Social-Ecological System.* Oral presentation. Annual Colloquium. **Advanced Consortium on Cooperation, Conflict, and Complexity (AC4), Columbia University.** New York, NY.

**Wynn-Grant, Rae.** October 2014. COS 17 – *Carnivore mortality risk at multiple scales: evaluating the influence of human activity on source-sink dynamics.* Oral presentation. Biannual meeting. **Human Dimensions of Wildlife.** Estes Park, Colorado.

**Wynn-Grant, Rae.** August 2014. COS 178-79 – *Carnivore mortality risk at multiple scales: evaluating the influence of human activity on source-sink dynamics.* Oral presentation. Annual meeting. **Ecological Society of America.** Sacramento, California.

Sterling, E., Douglas, L.R., Blair, M., **Wynn-Grant, Rae.** July 2014. *Building a Roadmap to a Broader Community: An Open Meeting on the SCB's Committee for Diversity.* Collaborative Workshop. Annual meeting. **Society for Conservation Biology North American Congress for Conservation Biology.** Missoula, Montana.

**Wynn-Grant, Rae.** February 2014. *Climate Change and the Environment: Impacts and solutions in Burundi.* Invited seminar. **Village Health Works.** Kigutu, Burundi.

Olmstead, P., Ingram, J.C., Naeem, S., Cattau, M.E., Freund, C.A., Prager, C., and **Wynn-Grant, R.** August 2012. COS 156-8 – *The science behind payments for ecosystem services programs: A global survey.* Oral presentation. Annual meeting. **Ecological Society of America.** Portland, Oregon.

## Public Presentations

Wynn-Grant, Rae. October 2017. *Humans and Conflicts with Bears: Oh My!* [SciCafe Series](#). American Museum of Natural History. New York, NY.

Wynn-Grant, Rae. June 2017. *Hands on with Black Bears!* [Meet the Scientist](#). American Museum of Natural History. New York, NY.

## Scientific Expeditions & Research Projects

- Linking niches with expansion and evolutionary processes in black bears (*ursus americanus*). Center for Biodiversity and Conservation, American Museum of Natural History. New York, NY. 2016-present
- Ring-tailed lemur (*lemur catta*) behavior and ecology in a novel forest system. National Geographic Society & Rainforest Trust. Ibohivory Forest, Madagascar. 2016-present
- An integrative social ecological systems framework for evaluating impacts of human activity on behavior and ecology of the American black bear (*ursus americanus*). Wildlife Conservation Society & Nevada Department of Wildlife. Lake Tahoe Basin, Nevada. 2011-present
- Investigating drivers of human-grizzly bear conflict and impacts on federal protection in the Greater Yellowstone Ecosystem. Yale School of Forestry and Environmental Studies. New Haven, CT. 2009-2010
- Integrating spatially explicit modeling techniques and field methods to determine ecological drivers of human-lion conflict in a pastoralist landscape. African Wildlife Foundation. Loibor Serritt, Tanzania. 2008-2010
- Investigating options for community-led sustainable agroforestry techniques in Guatemalan landscapes. Sustainable Development Programme Office, World Wildlife Fund. Washington, DC. 2006-2008
- Incorporating remote sensing to detect the impacts of diverted water resources on zebra movement and ecology. Center for Wildlife Management Studies. Kimana, Kenya. 2005-2006

## Teaching Experience

- Conservation Biology (undergraduate). Department of Ecology, Evolution, and Environmental Biology. Columbia University. Spring 2017-present
- Principles of Ecology (masters). Department of Environmental Spring 2017-present

Sciences and Policy. Johns Hopkins University.

- Data Science and Statistics. Science Research Mentorship Program Summer Institute. American Museum of Natural History. Fall 2015-present
- Research Methods in Conservation Biology. After School Program. American Museum of Natural History. Fall 2015-present
- Ecology of African Animals (undergraduate field course). Tropical Biology and Sustainability Program. Columbia University & Princeton University. Mpala Research Centre, Nanyuki, Kenya. Spring 2014
- Environmental Science (middle school). National Science Foundation GK-12 Fellowship Program. MS.88, Brooklyn, NY. 2012-2013

### Teaching Assistantships

- Food, Ecology, and Globalization (undergraduate). Department of Ecology, Evolution, and Environmental Biology. Columbia University. Spring 2015
- Conservation Biology (undergraduate). Department of Ecology, Evolution, and Environmental Biology. Columbia University. Spring 2011
- Urban Ecology (masters). School of International and Public Affairs. Columbia University. 2011-2015
- Principles of Ecology (masters). School of International and Public Affairs. Columbia University. 2011-2015

### Mentoring

- Mentor. Research Experience for Undergraduates (REU). American Museum of Natural History. 2017-present
- Mentor. Doris Duke Conservation Scholars Program. American Museum of Natural History. 2016-present
- Mentor. Research Experience for Undergraduates (REU). American Museum of Natural History. 2017-present
- Mentor. McNair Fellows Program. Columbia University. 2010-2015
- Mentor. Bridge to PhD Program. Columbia University. 2010-2015

## Fellowships

- Conservation Science Research and Teaching Postdoctoral Fellowship. Doris Duke Charitable Foundation. 2015-present
- Scientist in Residence Fellowship. The Earth Institute, Columbia University. 2014-2015
- Athena Scholars Dissertation Fellowship. Columbia University. 2014-2015
- Graduate STEM Fellowship in K-12 Education. National Science Foundation. 2012-2013
- Faculty Fellowship. Graduate School of Arts & Sciences, Columbia University. 2010-2014
- Biological Science Research Fellowship. Tropical Resources Institute, Yale University. 2009-2010

## Professional Leadership

- Equity, Inclusion, and Diversity Officer. Board of Governors. Society for Conservation Biology. 2017-present
- Founding Member & Liaison to AMNH. Diversity Joint Venture. US Fish and Wildlife Service. 2016-present
- Deputy Chair. Equity, Inclusion, and Diversity Committee. Society for Conservation Biology. 2015-2017
- President. Caucus of Emory Black Alumni, New York Chapter. 2011-2013
- President. Multi-Ethnic Student Association. Yale School of Forestry and Environmental Studies. 2008-2010

## Media Articles & Interviews

### • Podcasts

“The Secret to Trapping and Mapping Bears.” What’s the Point? FiveThirtyEight.  
<https://fivethirtyeight.com/features/the-secret-to-tracking-and-mapping-bears/> (September 16, 2016).

“When Words Change World Events.” The Gist. Slate.  
[http://www.slate.com/articles/podcasts/gist/2016/03/rae\\_wynn\\_grant\\_on\\_bear\\_news\\_and\\_the\\_importance\\_of\\_language\\_tests\\_in\\_world.html](http://www.slate.com/articles/podcasts/gist/2016/03/rae_wynn_grant_on_bear_news_and_the_importance_of_language_tests_in_world.html) (March 21, 2016).

“The Quiet Dignity of Bears.” The Gist. Slate.

[http://www.slate.com/articles/podcasts/gist/2015/02/the\\_gist\\_rae\\_wynn\\_grant\\_on\\_bear\\_news\\_and\\_will\\_oremus\\_on\\_net\\_neutrality.html](http://www.slate.com/articles/podcasts/gist/2015/02/the_gist_rae_wynn_grant_on_bear_news_and_will_oremus_on_net_neutrality.html) (February 26, 2015).

“Grin and Bear It.” The Gist. Slate.

[http://www.slate.com/articles/podcasts/gist/2014/12/the\\_gist\\_keith\\_johnson\\_on\\_foreign\\_oil\\_and\\_rae\\_wynn\\_grant\\_on\\_bear\\_news.html](http://www.slate.com/articles/podcasts/gist/2014/12/the_gist_keith_johnson_on_foreign_oil_and_rae_wynn_grant_on_bear_news.html) (December 22, 2014).

- **Videos**

“Science & U!” Cuny Television. City University of New York.

<http://www.cuny.tv/show/scienceand/PR2006255> (June 2017).

“#MarchforScience: Are science and activism compatible?” The Stream. AlJazeera.

<http://stream.aljazeera.com/story/201704200032-0025421> (April 20, 2017).

“Meet the Experts Changing the Face of STEM.” Virtual Career Fair. The Nature Conservancy.

<https://www.natureworkseverywhere.org/resources/three-experts-stem-careers/> (May 2017).

“Bears, Hibernation, and Latest Field Excursions.” Facebook Live Event for American Museum of Natural History. <https://www.facebook.com/naturalhistory/videos/10153995625071991/> (January 23, 2017).

“Tracking Bears with Dr. Rae Wynn-Grant.” Facebook Live Event for American Museum of Natural History.

<https://www.facebook.com/naturalhistory/videos/10153527472381991/> (July 26, 2016).

“The Movement of Black Bears.” Wochit News. <https://www.youtube.com/watch?v=kOmVd9iJLvU>

(September 16, 2016).

- **Articles**

“This Ecologist Is Not Afraid of Bears – She Traps Them for Research.” Black Enterprise.

<http://www.blackenterprise.com/career/conservation-scientist-goes-wild-traps-black-bears/> (July 13, 2017).

“Five Ways to Move Beyond the March: A Guide for Scientists Seeking Strong, Inclusive Science.”

Union of Concerned Scientists. <http://blog.ucsusa.org/science-blogger/five-ways-to-move-beyond-the-march-a-guide-for-scientists-seeking-strong-inclusive-science> (May 15, 2017).

“Field Journal: Tracking and Trapping a Bear.” From the Field Blog. American Museum of Natural History.

[http://www.amnh.org/explore/news-blogs/from-the-field-posts/field-journal-tracking-and-trapping-a-bear?utm\\_source=social-media&utm\\_medium=facebook&utm\\_term=20160726-](http://www.amnh.org/explore/news-blogs/from-the-field-posts/field-journal-tracking-and-trapping-a-bear?utm_source=social-media&utm_medium=facebook&utm_term=20160726-)

[tue&utm\\_campaign=research](#) (July 25, 2016).

“Field Journal: How to Collar a Bear.” From the Field Blog. American Museum of Natural History. [http://www.amnh.org/explore/news-blogs/from-the-field-posts/field-journal-how-to-collar-a-bear?utm\\_source=social-media&utm\\_medium=facebook&utm\\_term=20160726-tue&utm\\_campaign=research](http://www.amnh.org/explore/news-blogs/from-the-field-posts/field-journal-how-to-collar-a-bear?utm_source=social-media&utm_medium=facebook&utm_term=20160726-tue&utm_campaign=research) (July 21, 2016).

“Field Journal: Living Alongside Bears.” From the Field Blog. American Museum of Natural History. [http://www.amnh.org/explore/news-blogs/from-the-field-posts/field-journal-living-alongside-bears?utm\\_source=social-media&utm\\_medium=facebook&utm\\_term=20160726-tue&utm\\_campaign=research](http://www.amnh.org/explore/news-blogs/from-the-field-posts/field-journal-living-alongside-bears?utm_source=social-media&utm_medium=facebook&utm_term=20160726-tue&utm_campaign=research) (July 14, 2016).

“Towards Greater Diversity in Conservation.” SCB News Blog. Society for Conservation Biology. <http://conbio.org/publications/scb-news-blog/towards-greater-diversity-in-conservation> (December 2015).

“Of Bears and Humans.” Superscript. Columbia University. <https://gsas.columbia.edu/sites/default/files/inline-files/superscript-summer-2015-interactive.pdf> (May 3, 2015).

“Tracking interactions of bears and humans.” eScience Commons. Emory University. <http://esciencecommons.blogspot.com/2014/05/bringing-biology-and-love-of-nature-to.html> (May 22, 2014).

“Life Lessons.” Emory Magazine. [http://www.emory.edu/EMORY\\_MAGAZINE/issues/2014/spring/features/animals.html](http://www.emory.edu/EMORY_MAGAZINE/issues/2014/spring/features/animals.html) (March 2014).

## Affiliations/Memberships

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| • Emory Alumni Association, New York Chapter     | 2010-present |
| • Columbia University Students of Color Alliance | 2014-2015    |
| • Women in Science at Columbia                   | 2010-2015    |

## Entrepreneurial Endeavors

- Co-Founder, Buff You Intimates. 2015-present.
- Chief Officer of Environmental Projects, North America. Greenvolved. 2013-2015.