

CORINA LOGAN

Department of Experimental Psychology, University of Cambridge, Cambridge, U.K.
cl417@cam.ac.uk

EDUCATION

- **Ph.D. student University of Cambridge, Cambridge, UK** **2008–current**
Department of Experimental Psychology, Supervisor: Nicola Clayton, Advisor: Sir Patrick Bateson
- **B.S. degree The Evergreen State College, Olympia, WA, USA** **June 2004**
Major: Biology, Excellent evaluations, Advisor: John T. Longino
- **A.A. degree Skagit Valley College, Mount Vernon, WA USA** **June 2002**
Major: Acting; GPA: 3.91/4.00

PUBLICATIONS

- Logan, C. J.**, O'Donnell, S., and Clayton, N. S. C. (*In prep*) Mental time travel in army ant-following birds? *Submitting to Animal Cognition*.
- O'Donnell, S., Kumar, A., and **Logan, C.** (*In review*) Bivouac checking behavior is performed by a diverse bird guild in a Neotropical montane forest. *Submitted to the Wilson Journal of Ornithology*.
- O'Donnell, S., Kumar, A., and **Logan, C.** (*In review*) Life zone and species differences in boreal migrant bird attendance at army ant raids. *Submitted to Journal of Tropical Ecology*.
- Logan, C. J.**, and Montero, C. 2009. *Bothrops asper* (Terciopelo) scavenging behavior. *Herpetological Review* 40(3):352.
- Logan, C. J.**, and Pepper, J. W. 2007. Social learning is central to innovation, in primates and beyond. *Behavioral and Brain Sciences* 30:416-417.

PRESENTATIONS

- Logan, C. J.**, Emery, N. J., and Clayton, N. S. C. The evolution and ontogeny of postconflict third-party affiliation in corvids. 31st International Ethological Congress, Rennes, France, 19-25 August 2009.

POSTERS

- Logan, C. J.**, and Longino, J. T. Play behavior of *Nasua narica* (white-nosed coati) in Costa Rica. 12th International Society for Behavioral Ecology Congress, Ithaca, New York, 9-15 August 2008.
- Minkova, T. V., and **Logan, C. J.** Comparing spherical densiometry and hemispherical photography for estimating canopy closure. The Wildlife Society Annual Meeting, Pendleton, Oregon, 9-13 April 2007.

GRANTS, AWARDS, SCHOLARSHIPS

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|-------------|---|-------------|
| 2009 | 2 nd prize for Best Student Talk, International Ethological Congress | €40 |
| 2009 | Murray Edwards College Graduate Research Grant | £150 |
| 2009 | Gates Cambridge Trust Research Funds | £561, £150 |
| 2008-2011 | Gates Cambridge Scholarship | ~£75,000 |
| 2008-2011 | Murray Edwards College Bursary | \$5,500 |
| 2007 & 2008 | NSF Graduate Research Fellowship Program Honorable Mention | |
| 2004 | Youth Activity Grant, The Explorers Club | \$1,050 |
| 2004 | Foundation Activity Grant, The Evergreen State College | \$88, \$140 |

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2003	Foundation Activity Grant, The Evergreen State College	\$125
2003-04	K.E.Y. Student Services Award, The Evergreen State College	\$3,750
2002-03	Academic Achievement Award, The Evergreen State College	\$900
2002	Intern of the Year, Conservation Northwest	
2002	Graduated with High Honors and the President's Medal, Skagit Valley College	
2001-03	Phi Theta Kappa Honor Society Member	
2001-02	Drama Department Award, Skagit Valley College	
2000-01	Ann Richards Scholarship, Skagit Valley College	\$300
2000-01	Clark Scholarship, Skagit Valley College	\$900
2000-01	National Dean's List	
1999-00	Drama Student of the Year, Skagit Valley College	
1998	AmeriCorps Education Award	\$4,725

LANGUAGES

English: native, Spanish: advanced.

PROFESSIONAL EXPERIENCE

Supervisor / Demonstrator / Presenter

University of Cambridge Cambridge, UK Oct 2008–current

- Co-supervise undergraduates and interns. Provide training in behavioural data collection methods, and guide students through project development, data collection, and analysis.
- Laboratory demonstrator for the undergraduate zoology course *Evolution and Behaviour* practicals on bird song, and learning and memory.
- Public communication of science: designed and led an activity for High School students through the School Liaison Project, presented my coat of arms poster at Cambridge University's 800th year celebration science festival and at my College Graduate Symposium. Presented a talk on corvid postconflict affiliation at the Keio-Cambridge Symposium, the Gates Scholar Symposium, and for the Corvid Cognition Lab Journal Club.

Marbled Murrelet Long-term Conservation Strategy Project Coordinator

Washington State Department of Natural Resources (DNR) Olympia, WA Jan 2007–Sep 2008

- Coordinated the development of the DNR Long-term Conservation Strategy for the Marbled Murrelet (*Brachyramphus marmoratus*). The strategy will amend the Habitat Conservation Plan to provide protection for this threatened avian species.
- Completed the Science Team Recommendations Report: technical writing, editing, and coordinating with Science Team members to finish this 300+ page document.

Natural Resources Research Technician III – Effectiveness Monitoring Jan 2007–Sep 2008

Washington State Department of Natural Resources May–Oct 2006
Olympia, WA Jul & Oct 2005

- Carried out northern spotted owl (*Strix occidentalis caurina*) habitat effectiveness monitoring on timber sales under the DNR Habitat Conservation Plan.

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- Installed fixed-radius plots for vegetation sampling. Identified and measured live trees, snags, and down woody debris with DBH tapes and calipers. Calculated tree height with a laser rangefinder. Estimated canopy closure with hemispherical photos.
- Collected data with a high level of accuracy on PDAs (Dell Axim and Trimble Field Computer). Managed large data sets and conducted summary statistics in MS Excel.
- Used judgment to make quick decisions about field protocols while in remote locations. Refined field protocols and wrote protocol manuals. Worked with a programmer to create customized data collection software to improve the level of accuracy in the field.
- Hired and trained field staff and supervised crews of up to four people. Crew leader for two out of three field seasons.
- Navigated through remote locations with a map, compass, and GPS; checked in and out everyday on radios; communicated with logging traffic on CB radios.
- Researched, procured, and maintained equipment, and initiated an inventory system.
- Conducted a research project resulting in a poster comparing canopy closure estimation methods (hemispherical photos vs. densiometer).
- Served as a technical editor for the Lynx Habitat Management Plan on DNR-Managed Lands (2006). Searched for and acquired a stock image for the cover.

Tropical Naturalist Guide and Biological Consultant

The Biomimicry Guild

Helena, MT

Oct 2004–Apr 2008

- I am one of the two primary naturalist guides for annual 8-day Biomimicry trainings in Costa Rica. I lead and educate participants through lowland tropical moist forests, mangroves, coral reef, coastal and riparian areas, and cloud forests with a focus on how and why systems do what they do.
- Coordinated logistics for the 2005 and 2006 Biomimicry in Design trainings including: lodge selection according to detailed criteria, arrangement of a cloud forest tour, securing hotel rooms at reduced rates, drafting the contract between Biomimicry and the lodge, booking in-country flights, compiling transportation information for participants, and coordinating daily on-site logistics.
- Occasionally serve as a biological consultant for companies that want to solve human design challenges by mimicking nature's designs. I translate design problems into questions for the biological world, conduct research on potential biological solutions, and report my findings to The Biomimicry Guild.

Army Ant – Ant Bird Field Assistant

University of Washington

Seattle, WA

Dec 2007–Jan 2008

- Collected observational data of bird species attending army ant raids in a tropical cloud forest in Costa Rica. Analyzed migrant bird attendance across an elevation gradient.
- Investigated bivouac checking behavior in high-elevation birds.

Research Proposal: Behavioral Traditions among Bottlenose Dolphins (*Tursiops truncatus*) in the Gulf of California, Mexico

Collaboration with Dr. John Pepper, University of Arizona

Tucson, Arizona

Apr–Dec 2006

- Co-designed this research project and took the lead in establishing connections among Mexican academic, government, and private organizations.

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- Scouted a research station in Puerto Peñasco and assessed project feasibility at this location.
- Primary author of a \$1 million dollar NSF grant proposal to fund this project.
- The project was not funded, however the experience gained in setting up a thesis project and grant writing was well worth the effort.

Natural Resources Research Technician II – Research and Adaptive Management

Washington State Department of Natural Resources

Nov–Dec 2006

Olympia, WA

Nov 2005–Feb 2006

- Launched department website: design team member, content writer, and editor. Responsible for website creation (in Dreamweaver) and collaborations with support staff to place it on the Internet.
- Performed the fieldwork component of a retrospective study on current DNR practices for buffering type 5 streams. This study will contribute to the development of a habitat conservation plan for headwater streams in Washington State.
- Gathered stream initiation waypoints using a Trimble GPS with a Pocket PC and ArcPad at timber sales throughout western Washington; used ArcView, ArcCatalog, and ArcScene to conduct 3D stream sketching; entered data using Excel.
- Gathered data for a Riparian Thinning experiment to determine appropriate buffer width along streams using fixed plots. Measured down woody debris, painted leave-trees and buffers at various relative densities, delineated study area with reference points, boundary tags, and flagging.

Natural Resources Research Technician II – Compliance Monitoring

Washington State Department of Natural Resources

Olympia, WA

Jun, Aug–Sep 2005

- Conducted northern spotted owl (*Strix occidentalis caurina*) habitat compliance monitoring on timber sales under the DNR Habitat Conservation Plan.
- Performed strip cruises to count legacy trees on logged timber sales. Identified trees to species and measured DBH.
- Became skilled at navigating through remote locations with a map, compass, GPS, and GIS software ArcPad.

Bird Conservation Research Assistant

Stanford University

Stanford, CA

Mar–May 2005

- Mist netted, collected data from, and banded migrant and resident birds for a long-term bird study in southern Costa Rica.
- Identified birds to species using three guides including the Pyle guide, processed birds, drew blood, placed radio tags, recorded data, set up and took down mist nets, and prepared equipment for the following day.
- Learned about radio telemetry and how to track birds.

Small Mammal Research Technician

University of Arizona

Tucson, AZ

Aug–Sep 2004

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- Trapped and handled small mammals to determine population densities for a study of trail impacts on animal populations. Collected detailed measurements, tagged ears, and entered data.
- Set up and took down plots and sampled vegetation. I was responsible for collecting and baiting one 200 meter by 200 meter plot with 196 Sherman live traps everyday.
- Trained in hanta virus safety.

Senior thesis: Play behavior in *Nasua narica* (white-nosed coati) in Costa Rica

The Evergreen State College

Olympia, WA

Mar - Jun 2004

- Conducted an independent research project studying play behavior in *Nasua narica* at La Selva Biological Station.
- Chose and defined my research question, conducted a literature review, developed methods, and observed coatis while recording behavior from seven categories in five-minute intervals.
- Performed statistical analysis with MS Excel.
- Presented results to the La Selva scientific community and wrote a scientific paper which is in preparation for journal submission.

Biology Tutor

Skagit Valley College

Mount Vernon, WA

Jan–Aug 2002

- Facilitated learning for cell biology students on an individual basis and in groups.
- Worked with “English as a second language” students as well as native English speakers.

PROFESSIONAL AFFILIATIONS

2008 Cambridge Philosophical Society

2008 International Society for Behavioral Ecology

2005 Animal Behavior Society