

## Kim Valenta

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McGill School of the Environment  
 McGill University  
 3534 University St  
 Montreal, PQ, Canada  
 H3A 2A7

### EDUCATION

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- 2009-2014      University of Toronto • Toronto, ON • Ph.D.  
 Dissertation: Animal-plant interactions in northwestern Madagascar.  
 Adviser: Shawn M. Lehman
- 2004-2007      University of Calgary • Calgary, AB • M.A. 2004-2007  
 Thesis: Quantity, quality and spatial patterns of seed dispersal by *C. capucinus*.  
 Adviser: Linda M. Fedigan
- 1997-2001      McGill University • Montreal, PQ • B.A.

### PROFESSIONAL APPOINTMENTS

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- 2014-present    **Postdoctoral Fellow**, McGill University, McGill School of the Environment  
 Adviser: Colin Chapman
- 2016-2017      **Lecturer**, McGill University, McGill School of the Environment  
 Course: Evolving Earth
- 2017            **Instructor**, McGill University, Biological Anthropology  
 Course: Special topics, senior undergraduate seminar: Ecological constraints of group size.
- 2016            **Instructor**, McGill University, McGill School of the Environment  
 Course: Special topics, senior undergraduate seminar: Applied conservation: Strategies and outcomes.

### PUBLICATIONS

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#### Journal Articles *\*denotes student mentees*

- In Press* Nevo, O., **K. Valenta**, A.G. Tevlin, S.A. Styler, D.J. Jackson, C.A. Chapman, and M. Ayasse. Fruit defence syndromes: The independent evolution of mechanical and chemical defences. *Evolutionary Ecology*.
- In Press* **Valenta, K.**, D. Twinomugisha, C. Lui, V.A.M. Schoof, T.L. Goldberg and C.A. Chapman. Habitat effects on gastrointestinal parasites in vervet monkeys (*Chlorocebus aethiops*). *Integrative Zoology*.
- 2017    **Valenta, K.**, O. Nevo, C. Martel, and C.A. Chapman. Plant attractants: integrating insights from pollination and seed dispersal ecology. *Evolutionary Ecology* 31: 249-267.
- 2017    Farris, Z, B.D. Gerber, **K. Valenta**, R. Rafaliarison\*, J. Razafimahaimodison, E. Larney, T. Rajaonarivelo, Z. Randriana, P.C. Wright, C.A. Chapman. Threats to a rainforest carnivore community: a multi-year assessment of occupancy and co-occurrence in Madagascar. *Biological Conservation* 210: 116-124.

- 2017 Malcolm, J., **K. Valenta** and S.M. Lehman. Edge effects in tropical dry forest in Madagascar: additivity or synergy? *Landscape Ecology* 32: 327-341.
- 2017 Chapman, C.A., A. Corriveau, V.A.M. Schoof, D. Twinomugisha and **K. Valenta**. Long-term simian research and its significance for developing theory and conservation plans. *Journal of Mammalogy* 98: 652-660.
- 2017 Parada, J., **K. Valenta**, R. Reyna-Hurtado. Spider monkey (*Ateles geoffroyi*) travel to resting trees in a seasonal forest of the Yucatan Peninsula, Mexico. *Folia Primatologica*. 87: 375-380.
- 2017 Federman, S., M. Sinnott-Armstrong, A.L. Baden, C.A. Chapman, D.C. Daly, A.R. Richard, **K. Valenta** and M.J. Donoghue. Tropical phenology in a variable environment: implications for the evolution and maintenance of frugivore assemblages. *PLoS ONE* 12(1): e0168943.
- 2017 Vololonirina, F.F.\*, J. Randrianasy, J.F. Ranaivoarisoa and **K. Valenta**. Effets de la luminosité et de l'éclairage solaire sur les activités diurnes d'*Eulemur fulvus* dans le Parc National d'Ankarafantsika. *Lemur News* 20: 43-47.
- 2016 **Valenta, K.** A.D. Melin, M. Edwards, N. Dominy, S. Holmes, K.A. Brown, S.E. Johnson, E. Parra and S.M. Lehman. Visual ecology of true lemurs suggests a cathemeral origin for the primate cone opsin polymorphism. *Functional Ecology* 30: 932-942.
- 2016 **Valenta, K.**, J.A. Gettinger-Larson, C.A. Chapman and Z. Farris. Barking up the right tree: understanding local attitudes to dogs in villages surrounding Ranomafana National Park, Madagascar can benefit applied conservation. *Madagascar Conservation and Development* 11: 87-90.
- 2016 Omeja, P., M. Lawes, A. Corriveau, **K. Valenta** and C.A. Chapman. Recovery of the animal and plant communities across large scales in Kibale National Park, Uganda. *Biotropica* 48: 770-779.
- 2016 Chapman, C.A., S. Friant, K. Godfrey, C. Liu, V.A.M. Schoof, D. Twinomugisha, J.M. Rothman, D. Sarkar, R. Sengupta, **K. Valenta**, and T.L. Goldberg. Social behaviour and networks of vervet monkeys are influenced by gastrointestinal parasites. *PLoS ONE* 11: e0161113.
- 2016 **Valenta, K.**, C.N. Miller, S.K. Monckton, S.A. Styler, D.J. Jackson, A.D. Melin, S.M. Lehman, C.A. Chapman and M.J. Lawes. Forest-wide fruit ripening signals: Haptic cues more reliably signal fruit ripeness than visual cues to dichromatic dispersers in tropical dry forest in Madagascar. *Evolutionary Biology* 43: 344-355.
- 2015 Chapman, CA. and **K. Valenta**. The flexibility of togetherness: Costs and benefits of group living are neither simple nor linear. *Proceedings of the National Academy of Science* 112: 14751-14752.
- 2015 **Valenta, K.** K.A. Brown, A.D. Melin, S.K. Monckton, S.A. Styler, D.J. Jackson and C.A. Chapman. It's not easy being blue: Are there olfactory and visual tradeoffs in plant signaling? *PLoS ONE* 10 (6): e0131725.
- 2015 **Valenta, K.**, K.A. Brown, R.R. Rafaliarison\*, S.A. Styler, D.J. Jackson, S.M. Lehman and A.D. Melin. Sensory integration during foraging: the importance of fruit hardness, colour, and odour to brown lemurs. *Behavioral Ecology and Sociobiology* 69: 1855-1865.
- 2015 **Valenta, K.** M. Hopkins, M. Meeking, C.A. Chapman and L.M. Fedigan. Density-dependent mortality predicts adult tree distributions in a neotropical angiosperm. *Journal of Tropical Ecology* 31:491-498. 2
- 2015 **Valenta, K.** T.S. Steffens, R.R. Rafaliarison\*, S.M. Lehman and C.A. Chapman. The effect of forest loss and fragmentation on seed banks in a tropical dry forest in northwestern Madagascar. *Biotropica* 47: 435-440.
- 2015 Brown, K.A., **K. Valenta**, D. Fisman, A. Simor and N. Daneman. Ward antibiotic prescribing and the risks of *C. difficile* infection. *Journal of the American Medical Association, Internal Medicine* 175: 626-633.

- 2013 **Valenta, K.** R.J. Burke\*, S.A. Styler, D.A. Jackson, A.D. Melin and S.M. Lehman. Colour and odour drive fruit selection and seed dispersal by mouse lemurs. *Scientific Reports* 3: 1-5.
- 2010 **Valenta, K.** and L.M. Fedigan. Spatial patterns of seed dispersal by white-faced capuchins (*Cebus capucinus*): Evaluating distant-dependent seed mortality. *Biotropica* 42: 223-228.
- 2009 **Valenta, K.** and L.M. Fedigan. Effect of gut passage, feces and seed handling on latency and rate of germination in seeds consumed by capuchins (*Cebus capucinus*). *American Journal of Physical Anthropology* 138: 486-492.
- 2009 **Valenta, K.**, J.A. Klemens, L.M. Fedigan. Sleep tree use by white-faced capuchins (*Cebus capucinus*): Implications for density-dependent seed and seedling mortality. *Neotropical Primates* 16: 73-76.
- 2008 **Valenta, K.** and L. Fedigan. How much is a lot? Seed dispersal by white-faced capuchins and implications for disperser-based studies of seed dispersal systems. *Primates* 49: 169-175.

### Book Chapters

- 2017 Chapman, C.A. and **K. Valenta**. Habitat selection and use. In: *Encyclopedia of Primatology*, A. Fuentes et al. (eds.), Wiley, New York.
- 2017 Chapman, C.A. and **K. Valenta**. Habitat use (including strata and habitats). In: *The International Encyclopedia of Biological Anthropology*, Wenda Trevathan (ed). John Wiley and Sons, Inc.
- 2017 Chapman, C.A., A. Corriveau, V.A.M. Schoof, F.P. Paim and **K. Valenta**. Long-term field studies – Africa. In: *Encyclopedia of Primatology*, A. Fuentes et al. (eds.), Wiley, New York.
- 2016 **Valenta, K.** and S.M. Lehman. *Microcebus spp* as seed dispersers in the depauperate frugivore communities of Madagascar. In: *Dwarf and Mouse Lemurs of Madagascar: Biology, Behavior, and Conservation Biogeography of the Cheirogaleidae*. S. Lehman et al. (eds.), Oxford University Press, New York.
- 2016 Chapman, C.A., D. Twinomugisha, J.A. Teichroeb, **K. Valenta**, R. Sengupta, D. Sarkar, and J.M. Rothman. How do primates survive among humans? Mechanisms employed by vervet monkeys at Lake Nabugabo, Uganda. In *Ethnoprimatology: Primate Conservation in the 21<sup>st</sup> Century*, M. Waller (ed.), Springer Press, New York. Pp. 77-94.
- 2012 **Valenta, K.** and A.M. Melin. Protein limitation explains variation in primate color vision phenotypes: A unified model for the evolution of primate trichromatic vision. In *Zoology*. M.D. Garcia (ed.), InTech, ISBN: 978-953-51-0360-8
- 2008 **Valenta, K.** “Primateology in action” In *Physical Anthropology and Archaeology, 3rd Canadian Edition*. C.R. Ember, M. Ember, P. Peregrine and R.D. Hoppa, eds. Toronto: Prentice-Hall. 3

### Manuscripts In Revision, In Review and Submitted

- Valenta, K.** and O. Nevo. Invited, In revision. What color is a primate-dispersed fruit? *International Journal of Primatology* (seed dispersal special issue).
- Valenta, K.** and C.A. Chapman. Invited, In revision. *Primate fruit syndromes: Where are we now?* In U. Kalbitzer and K. Jack, eds. Springer.
- Adamescu, G. K. Abernethy, C. Boesch, T. Breuer, F. Bujo, C.A. Chapman, Cordeiro, C.N. Ewango, A. Fayolle, I. Gilby, T. Hart, M. Hockemba, J. Jeffrey, D. Morgan, B. Mugerwa, F. Mulindahabi, H. Ndangalasi, L. Ndolo, L. Polansky, A. Pusey, C. Sanz, D.

- Sheil, F. Ssali, C. Tutin, **K. Valenta**, L. White, and A. Plumptre, In revision. Spatial and temporal variation in drivers of phenology across Africa. *Biotropica*.
- Chapman, C.A., S. Bortolamiol, I. Matsuda, P.A. Omeja, F.P. Paim, R. Sengupta, J.P. Skorupa and **K. Valenta**. Submitted. Primate population dynamics: variation over space and time. *Biodiversity and Conservation*.
- Chapman, C.A., **K. Valenta**, T. Bonnell, K.A. Brown, and L.J. Chapman. Invited, In revision. Solar radiation drives fruit phenology: evaluating a 16 year record from Kibale National Park. *Biotropica*.
- Nevo, O. and **K. Valenta**. Invited, Submitted. The ecology and evolution of fruit odors. *International Journal of Primatology* (seed dispersal special issue).
- Kiwamura, D., **K. Valenta** and C.A. Chapman. In revision. Evaluating a union between health care and conservation: A mobile clinic improves park-people relations, yet poaching increases. *Conservation and Society*.
- Chapman, C.A., A. Corriveau, **K. Valenta**, F. Espinosa-Gómez, and V.A.M. Schoof. Submitted. Colobine population ecology: what limits population size. In: *The Behavioural and Ecological Diversity of the Colobines*, I. Matsuda, C. Grueter, and J. Teichroeb (eds.), Cambridge University Press, Cambridge.
- Chapman, C.A., **K. Valenta**, and A. Corriveau. Primate foraging strategies modulate responses to anthropogenic change and thus primate conservation. In: J.E. Lambert and J.M. Rothman (eds). *Primate diet and nutrition: needing, finding, and using food*. University of Chicago Press, Chicago.
- Sarkar, D., C.A. Chapman, **K. Valenta**, S. Angom, K. Wilson, and R. Sengupta. Submitted. Research stations as conservation instruments. *Biological Conservation*.
- Chapman, C.A., **K. Valenta**, S. Bortolamiol, and M. Yao. Submitted. Chimpanzee conservation: what we know, what we do not know, and ways forward. In *Chimpanzees in context: a comparative perspective on chimpanzee behavior, cognition, conservation, and welfare*. L. Hopper and S. Ross eds. University of Chicago Press, Chicago.

## FELLOWSHIPS AND AWARDS

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| 2017-2018 | <b>McGill Postdoctoral Fellowship</b> • \$35,000  |
| 2015-2017 | <b>NSERC Postdoctoral Fellowship</b> • Evolution of fruit traits in Uganda • \$90,000   |
| 2014-2015 | <b>McGill Postdoctoral Fellowship</b> • \$35,000  |
| 2014      | <b>Virginia McKenna Conservation Award</b> • The Mad Dog Initiative • \$1,500   |
| 2011-2014 | <b>University of Toronto Fellowship</b> • For PhD work • \$6,000  |
| 2009-2013 | <b>Ontario Graduate Fellowship</b> • For PhD work • \$15,000 (2009), \$15,000 (2010), \$15,000 (2011), \$15,000 (2013)                |
| 2013      | <b>Dean's Student Initiative Award</b> • For developing a popular speakers series, University of Toronto • \$875                      |
| 2011-2013 | <b>GM Women in Science and Mathematics Award</b> • For PhD work • \$3,800 (2011), \$3,800 (2013)                                      |
| 2009-2012 | <b>Alexander Graham Bell (CGS-D) PhD Fellowship</b> • For PhD work • \$105,000  |
| 2009      | <b>UT Pre-emptive Fellowship • Fellowship</b> • For PhD work • \$29,000   |
| 2006      | <b>Oschinsky-McKern Award for best student presentation</b> • Canadian Association of Physical Anthropologists Annual Meeting • \$300 |
| 2006      | <b>Queen Mary II Scholarship</b> • For Master's work • \$9,300  |
| 2005-2006 | <b>Graduate Research Scholarship</b> • University of Calgary • \$8,200  |
| 2005      | <b>Province of Alberta Graduate Scholarship</b> • For Master's work • \$9,300   |

**RESEARCH GRANTS**

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- 2017-2018 **National Geographic Exploration Grant** • The sensory ecology of folivory • \$29,300
- 2017-2018 **World Wildlife Fund Species Conservation Grant** • Mad Dog Initiative • \$12,000
- 2016-2017 **National Geographic Exploration Grant** • Molecular identification of the olfactory receptor gene repertoire of catarrhines (PI Shoji Kawamura) • \$25,000
- 2016-2017 **LUSH Applied Conservation Grant** • Mad Dog Initiative • \$25,000
- 2016-2017 **Detroit Zoo Conservation Grant** • Mad Dog Initiative • \$10,000
- 2015-2018 **CIHR-PHSI Grant** • Modelling infectious disease transmission (co-investigator) • \$390,000
- 2015-2016 **Nacey Maggiancalda Goldberg Conservation Grant** • \$15,000
- 2016 **Quebec Centre for Biodiversity** • \$1,100
- 2014 **Rufford's Conservation Grant** • \$9,900
- 2013 **School of Graduate Studies Travel Research Grant** • \$5,000
- 2011 **University of Toronto Thesis Research Grant** • \$4,000
- 2006-2012 **Sigma Xi grant-in-aid of Research** • \$350 (2006), \$1,000 (2012)

**INVITED LECTURES**

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- 2017 **Washington University, St. Louis, MO** “Primate-plant mutualisms.”
- 2016 **Linda Fedigan Festschrift, Banff, AB** “Primate fruit syndromes: Where are we now?”
- 2016 **University of Maine, Orono, ME** “Coevolution and its constraints in animal-plant mutualisms.”
- 2016 **Concordia University, Montreal, PQ** “*How does conservation actually work? Insights from Madagascar.*”
- 2015 **Compassionate Conservation Symposium, Vancouver, BC. Keynote.** “*The Mad Dog Initiative: Conserving biodiversity through feral dog management in Madagascar.*”
- 2014 **Smithsonian Museum of Natural History, Washington, DC** “*Can frugivores shape fruit traits?*”
- 2013 **Colour Research Society of Canada, Toronto, ON** “*The role of color in plant-animal co-evolution.*”
- 2012 **Ontario College of Art and Design, Toronto, ON** “*The evolution of the eye and color vision in humans and other animals.*”
- 2012 **University of Antananarivo, Madagascar** “*Impacts sur l'ecologie et l'evolution des lemuriens frugivores sur la flore endemique.*”

**INVITED CONFERENCE PRESENTATIONS** (\*presenting author)

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- 2017 **Valenta, K.**,\* Z. Farris and S. Zohdy. “Dogs go to places they are not from and eat weird animals in their homes: Reasons for fewer weird animals.” American Association of Physical Anthropologist’s Annual Meeting, New Orleans, LA.
- 2017 Nevo, O., and **K. Valenta**.\* “The role of aliphatic esters in primate feeding ecology.” American Association of Physical Anthropologist’s Annual Meeting, New Orleans, LA.

- 2016 **Valenta, K.\*** and C.A. Chapman. “Plants invest in colour or odour, not both: A cost-based phylogenetic analysis of fruit traits.” Ecological Society of America Annual Meeting, Ft. Lauderdale, FL.
- 2016 Chapman, C.A. and **K. Valenta.\*** “A 16-year phenological dataset from Kibale National Park, Uganda.” Ecological Society of America Annual Meeting, Ft. Lauderdale, FL.
- 2016 **Valenta, K.\*** and C.A. Chapman. “Guild-wide fruit odor differences in strepsirrhine and catarrhine foods: A chemical comparison of fruits in Madagascar and Uganda.” International Society of Primatologists/American Primatological Society Meeting, Chicago, IL.

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#### CONTRIBUTED CONFERENCE PRESENTATIONS (\*presenting author)

- 2015 Malcolm, J. and **K. Valenta.\*** “Edge effects in forest fragments: Is it additivity or synergy?” Ecological Society of America Annual Meeting, Baltimore, MD (oral).
- 2015 **Valenta, K.**, K.A. Brown, A.D. Melin\*, S.K. Monckton, S.A. Styler, D.A. Jackson and C.A. Chapman. 2015. “Cost-based phylogenetically-controlled analysis of signal tradeoffs in primate-dispersed fruits.” American Association of Physical Anthropologist’s Annual Meeting, St. Louis, MO (oral).
- 2014 **Valenta, K.\***, A.D. Melin, M.E. Edwards and S.M. Lehman. 2014. “Dichromacy in *Eulemur fulvus*: Implications for foraging ecology.” American Association of Physical Anthropologist’s Annual Meeting, Calgary, AB (oral).
- 2013 **Valenta, K.\***, R.J. Burke, S.A. Styler, D.A. Jackson, and S.M. Lehman. “Effects of fruit odor on fruit consumption and seed dispersal by *Microcebus murinus* and *M. ravelobensis* in a tropical dry forest in northwestern Madagascar.” American Association of Physical Anthropologist’s Annual Meeting, Knoxville, TN (oral).
- 2011 **Valenta, K.\*** 2011. “The behavioural ecology of *Eulemur fulvus rufus*: A test of the socioecological model.” American Association of Physical Anthropologist’s Annual Meeting, Minneapolis, MN (poster).
- 2010 **Valenta, K.\*** and L.M. Fedigan. “A spatial test of the ultimate null hypothesis: White-faced capuchin dispersal of *Genipa americana*.” Frugivory and Seed Dispersal Conference, Montpellier, France (oral).
- 2010 **Valenta, K.\***, J.A. Klemens, and L.M. Fedigan. “Habitual sleep tree use by white-faced capuchins (*Cebus capucinus*) and implications for seed dispersal.” American Association of Physical Anthropologist’s Annual Meeting, Albuquerque, NM (oral).
- 2009 **Valenta, K.\*** “Repeated sleep tree use by white-faced capuchins and implications for density-dependent seed mortality.” Texas Association of Biological Anthropologists Annual Meeting, Austin, TX (oral).
- 2009 **Valenta, K.\*** and L.M. Fedigan. “Spatial correlates of capuchin-dispersed seed and seedling survival, germination and growth.” American Association of Physical Anthropologist’s Annual Meeting, Chicago, IL (oral).
2008. **Valenta, K.\*** and L.M. Fedigan. “The nearest neighbour effect: Spatial patterns of seed dispersal by white-faced capuchins (*Cebus capucinus*).” Canadian Association of Physical Anthropologists Annual Meeting, Hamilton, ON (oral).
- 2007 **Valenta, K.\*** and L.M. Fedigan. “The effect of gut passage by *Cebus capucinus* on rates of seed germination and time to germination.” American Association of Physical Anthropologist’s Annual Meeting, Philadelphia, PA (poster).
- 2006 **Valenta, K.\*** “Seed dispersal by white-faced capuchins: Evaluating quality.” Canadian Association of Physical Anthropologists Annual Meeting, Peterborough, ON (oral). *Awarded best student-led presentation.*

## TEACHING EXPERIENCE

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### Courses Instructed

- 2016, 2017     **Lecturer** • McGill School of the Environment  
Developed curriculum and teach a core course entitled “Evolving Earth,” centered on concepts of biology, geology and evolution.
- 2017            **Instructor**, McGill University, Biological Anthropology  
Course: Special topics, senior undergraduate seminar: Ecological constraints of group size.
- 2016            **Instructor**, McGill University, McGill School of the Environment  
Course: Special topics, senior undergraduate seminar: Applied conservation: Strategies and outcomes.

### Teaching Assistant Positions

- 2010-2014     **Teaching Assistant** • University of Toronto  
Served as a teaching assistant for 11 courses, including introduction to biology, multi-disciplinary perspectives in environmental science, molecular biology, nutritional ecology, osteology, and primate behavioral ecology.
- 2004-2006     **Teaching Assistant** • University of Calgary  
Served as a teaching assistant for four courses, including primatology, behavioral ecology, and evolution.

### Mentoring

- 2017-2018     Undergraduate team capstone project, *McGill University, Department of Mechanical Engineering*. Creating an elephant-deterrant odor spray gun.
- 2017            Stephanie Chen, B.Sc. *McGill University*. How will climate change affect highly seasonal breeders?
- 2012-2015     Francette F. Vololonirina, M.A. *University of Antananarivo*. The effect of nocturnal light availability on lemur activity budgets.
- 2010-2013     Radoniaina R. Rafaliarison, PhD. *University of Antananarivo*. Feeding ecology and ranging of lemurs.

## OUTREACH

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- 2017            **Guest Editor**, Frugivores & Seed Dispersal Facebook page.
- 2014-ongoing   **Student Outreach Coordinator**, Kibale Mobile Clinic, Uganda  
Facilitate student involvement in a mobile health clinic in rural Uganda.
- 2015            **Mentor**, Canadian Field Studies in Africa, Montreal, PQ.  
Provided support and advice for students preparing for field work in Africa.
- 2003-2014     **Urban Wildlife Educator**, Toronto Wildlife Centre, Toronto, ON.  
Assessed and responded to emergency and human/wildlife conflict situations by providing information on animal behaviour and natural history. Led informational sessions for members of the community and wildlife organizations. Organized volunteers for special events.
- 2014-2015     **Volunteer Coordinator**, Environmental Defense, Toronto, ON  
Organized logistics and volunteers for fundraising events.
- 2010-2011     **Editor**, Vis-à-Vis, Toronto, ON

- Edited contributed papers to a peer-reviewed graduate student journal at University of Toronto.
- 2010 **Educational Outreach Volunteer**, Explore UT! Austin, TX.  
Developed and facilitated interactive educational materials for children of all ages.

## RESEARCH EXPERIENCE

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- 2017-ongoing **Temperate fruit traits**  
*Mont St. Hilaire, Quebec Canada, McGill University Gault Nature Reserve*  
Spectroscopic analyses and color modelling of temperate fruits.
- 2015-ongoing **Fruit traits and frugivores**  
*Kibale National Park, Uganda, McGill School of the Environment*  
Spectroscopic and chemical analyses of fruit signals. Behavioral and sensory ecology of vertebrate frugivores.
- 2012-ongoing **The Mad Dog Initiative, Co-director**  
*Ranomafana and Andasibe National Parks, Madagascar*  
Modelling invasive and endemic vertebrate co-occurrence in protected areas through camera trap and line transect surveys. Coordinating a team of veterinarians, biologists, and international volunteers to reduce invasive animal density through spay/neuter/education campaigns.
- 2011-2012 **Plant-animal mutualisms, PhD Research**  
*Ankarafantsika National Park, Madagascar, University of Toronto*  
Genetic, behavioral, and ecological research on the visual and dietary adaptations of lemurs. Integration of animal adaptations and quantified plant traits.
- 2005-2006 **Seed dispersal by *Cebus capucinus*, Masters Research**  
*Guanacaste National Park, Santa Rosa Sector, Costa Rica, University of Calgary*  
Feeding and movement ecology of white-faced capuchin monkeys (*Cebus capucinus*). Analysis of seed dispersal effectiveness, and spatial effects of seed dispersal.
- 2001-2002 **Mapping ancient coastlines, Research Assistant**  
*Parks Canada, British Columbia, Canada*  
Collection and microscopic identification of diatom communities along coastal elevational gradients.
- 2001 **Carbon sequestration by native plants, Research Assistant**  
*Smithsonian Tropical Research Institute, Sardinilla Experimental Field Station, Panama*  
Plant identification and biomass quantification.

## PROFESSIONAL SERVICE

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- 2017 **Symposium Organizer**, 86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, New Orleans LA. “The UpGoer5 Challenge: Explaining science in the ten hundred most common words in the English language.”
- 2016 **Symposium Organizer**, International Society of Primatology/American Society of Primatologists, Chicago IL. “Novel approaches to animal-plant interactions.”



- 2013-ongoing **Founder, co-PI**, The Mad Dog Initiative, Ranomafana, Madagascar. Developed a multi-disciplinary initiative to determine the effects of feral Malagasy dog populations on native wildlife populations, and to reduce feral dog populations through adoption and spay and neuter programs ([www.maddoginitiative.com](http://www.maddoginitiative.com)).
- 2013-2014 **Director and Founder**, Got Anthropology? Toronto ON. Established and won funding for a speakers series that is still ongoing. Led a committee of volunteer graduate students who oversaw all details of a monthly colloquial series where graduate students present topics of broad general interest to members of the University community and the broader community ([facebook.com/Gotanthropology](https://www.facebook.com/Gotanthropology)).
- 2012-ongoing **Ad-hoc reviewer** for journals: American Journal of Physical Anthropology, American Journal of Primatology, Biotropica, Climatic Change, Ecology and Evolution, Evolutionary Ecology, Forest Ecology and Management, Functional Ecology, Journal of the North Carolina Academy of Science, Journal of Insect Behavior, Oikos, PLoS ONE, Preventive Veterinary Medicine, Primates, Scientific Reports, Zoological Research, BioScience
- 2014-ongoing **Ad-hoc reviewer** for National Geographic Committee for Conservation and Exploration, Ruffourd's Foundation

## POPULAR COVERAGE

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- 2017 *BBC Radio*, "Life of Dogs." Radio coverage of MDI.
- 2016 *Global News*, television coverage of MDI. <http://globalnews.ca/news/2615759/vet-heading-home-to-madagascar-to-protect-endangered-animals/>
- 2016 *MetroNews*, newspaper story about MDI. <http://www.metronews.ca/news/winnipeg/2016/03/04/vet-comes-to-winnipeg-to-protect-lemurs-in-madagascar.html>
- 2016 *CBC Radio Canada*, radio interview about MDI. [http://ici.radio-canada.ca/emissions/le\\_6\\_a\\_9/2015-2016/index.asp](http://ici.radio-canada.ca/emissions/le_6_a_9/2015-2016/index.asp)
- 2016 *Vegan Today*, featured magazine story about MDI.

## LANGUAGES

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Native: English, Czech  
 Fluent: Spanish  
 Intermediate: French  
 Conversational: Sakalava, Merina