

Curriculum Vitae: Karen E. Samonds

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<http://niu.edu/biology/about/faculty/samonds/index.shtml> | <http://www.sadabe.org/Samonds/Index.html>

Education

2006 **Ph.D.** Stony Brook University, Anatomical Sciences, New York, USA
2002 **M.S.** Stony Brook University, Anatomical Sciences, New York, USA
2002 **M. Phil.** Stony Brook University, Health Sciences, New York, USA
1996 **B.A.** University of Massachusetts Amherst, Anthropology, MA, USA
1996 **B.S.** University of Massachusetts Amherst, Biology, MA, USA

Academic Appointments

2022-present: **Professor:** Department of Biological Sciences, Northern Illinois University, DeKalb, Illinois, USA
2016-2022: **Associate Professor:** Department of Biological Sciences, Northern Illinois University, DeKalb, Illinois, USA
2012-2016: **Assistant Professor:** Department of Biological Sciences, Northern Illinois University, DeKalb, Illinois, USA
2013-present: **Adjunct Faculty:** Department of Geology and Environmental Sciences, Northern Illinois University, DeKalb, Illinois, USA
2012-present: **Faculty Associate:** Institute for the Study of the Environment, Sustainability & Energy, Northern Illinois University, DeKalb, Illinois, USA
2012-2015: **Honorary Senior Lecturer:** School of Biomedical Sciences, University of Queensland, Brisbane, Queensland, Australia
2010-2012: **Senior Lecturer:** School of Biomedical Sciences, University of Queensland, Brisbane, Queensland, Australia
2010-present: **Honorary Professor:** Département de Paléontologie et Anthropologie Biologique, Université d'Antananarivo, Antananarivo, Madagascar.
2008-2010: **Assistant Professor:** Department of Anatomy and Cell Biology and Faculty of Dentistry, McGill University, Montréal, Quebec, Canada
2008-2010: **Curator:** Redpath Museum, McGill University, Montréal, Quebec, Canada
2006-2008: **Research Associate:** Redpath Museum, McGill University, Montréal, Quebec, Canada
2007-2008: **Course Lecturer:** Department of Anatomy and Cell Biology, McGill University, Montréal, Quebec, Canada
2005-2006: **Visiting Assistant Professor:** Department of Biological Sciences, Mount Holyoke College, South Hadley, MA, USA

Teaching Experience

2013-2023 **BIOS 629 - Human Embryology** (Northern Illinois University)
2022 **BIOS 761 – Seminar – Theory and Practice in Teaching in the Human Anatomical Sciences** (Northern Illinois University)
2022 **BIOS 761 – Seminar – Human Cadaver Dissection** (Northern Illinois University)

2014-2022	BIOS 546 - Gross Human Anatomy (Northern Illinois University)
2016-2020	BIOS 446 - Advanced Human Anatomy (Northern Illinois University)
2017-2019	BIOS 489 - Madagascar Field Biology (Study Abroad, NIU)
2016; 2013	BIOS 311 - Functional Human Anatomy (Northern Illinois University)
2017-2019	BIOS 629 - Human Neurobiology (Northern Illinois University)
2013-2015	ANTH 493/593/BIOS 489/589 - Madagascar, Past and Present: Biodiversity, Extinction and Conservation (Study Abroad, Northern Illinois University)
2014	BIOS 493 - Advanced Human Anatomy (Northern Illinois University)
2013	BIOS 209 - Fundamentals of Organismal Biology (Northern Illinois Univ.) Co-taught course with multiple instructors
2011-2012	BIOM 2019 - Human Anatomy (SBMS, University of QLD) Course coordinator, lecturer, and designed laboratories
2011-2012	ANAT 2005 - Neuroanatomy (SBMS, University of QLD) Lecturer, laboratory demonstrator
2011-2012	MEDI 1000 - Human Gross Anatomy (SBMS, University of QLD) Lecturer, laboratory demonstrator, pre-laboratory talks
2011-2012	MEDI 2006 - Human Gross Anatomy (SBMS, University of QLD) Lecturer, laboratory demonstrator, pre-laboratory talks
2011	ANAT 7000 - Anatomical Fundamentals for Speech & Language (QLD) Course lecturer
2010	Dental Anatomy (Dentistry, McGill University) Course Director, lectures and labs (wax-ups of teeth)
2009-2010	Head and Neck Anatomy (Dentistry, McGill University) Course Director, lectures and dissection-based labs
2008-2010	Anatomy for Surgeons (Medicine, McGill University) Laboratory demonstrator
2008-2010	Science and Museums (Redpath Museum, McGill University) Instructor and Course Designer
2007-2010	Human Gross Anatomy (Medicine, McGill University) Laboratory demonstrator, lecturer, pre-laboratory talks
2007	Regional Anatomy of the Limbs and Back (Medicine, McGill University) Laboratory demonstrator
2006	Mammalian Anatomy (Mount Holyoke College) Course Director
2005	Introductory Biol., Solving Life's Problems (Mount Holyoke College) Co-taught course with Dr. Peter Gruber, responsible for all zoological material, wrote exams and developed two new labs
2004	Gross Anatomy of Head, Neck and Trunk (Stony Brook University) Course Director, taught lectures, labs, and proctored/graded exams
2004	Gross Anatomy of Head, Neck and Trunk (Stony Brook University) Course Director, taught lectures, labs, and proctored/graded exams
2003	Gross Anatomy of Head, Neck and Trunk (Stony Brook University) Limited lecturing, taught labs and proctored/graded exams
1999	Human Gross Anatomy (Stony Brook University) Taught labs, wrote exam questions, proctored/graded practical exams
1996	Human Anatomy and Physiology (University of Massachusetts) Laboratory instructor, wrote quizzes, lab practicals, and grading
1995	Human Anatomy and Physiology (University of Massachusetts) Laboratory instructor, wrote quizzes, lab practicals, and grading

1993 **Plant Biology** (University of Massachusetts)
Laboratory instructor, wrote quizzes, lab practicals, and grading

Peer-Reviewed Publications

41. Crowley BE, Godfrey LR & **Samonds KE** (submitted). What can hippopotamus isotopes tell us about past distributions of C⁴ grassy biomes on Madagascar. *Plants, People, Planet*.
40. Kehlmaier C, Graciá E, Ali JR, Campbell PD, Chapman SD, Deepak V, Ihlow F, Eddine Jalil N, Pierre-Huyet L, **Samonds KE**, Vences M & Fritz U (2023). Ancient DNA elucidates the lost world of Western Indian Ocean giant tortoises and reveals a new extinct species from Madagascar. *Science Advances* 9: eabq2574 (2023).
Doi: 10.1126/sciadv.abq2574.
39. Zafindratsaravelo BN, Hansford JP, **Samonds KE**, Ranivoharimanana L, and Goodman SM (2022). Sexual dimorphism and interpopulation size variation in the extinct Malagasy waterbird *Alopochen sirabensis* (Anseriformes: Anatidae). *N. Jb. Geol. Paläont. Abh.* 304(2): 115-124.
38. Heffernan KS, **Samonds KE**, Godfrey LR, Raharison J-L, Ranaivoarisoa, and Irwin MT (2022). Diademed sifakas (*Propithecus diadema*) in intact and degraded forest habitat at Tsinjoarivo, Madagascar, show high reproductive success and no evidence that dental senescence or rainfall affects reproductive output. *Folia Primatologica* 93(1), 21-40. doi: <https://doi.org/10.1163/14219980-20210403>
37. Cline C, Santuzzi A, **Samonds KE**, LaDue N, and Bergan-Roller HE (2021). Assessing value for learning communication skills in undergraduate anatomy students. *Anatomical Sciences Education* 10.1002/ase.2144.
36. Rakotozandry R, Ranivoharimana L, Ranivosoa V, Rasolofomanana N, Hekkala E, and **Samonds KE** (2021). Description of the subfossil crocodylians from a new Late Pleistocene subfossil site (Tsaramody, Sambaina Basin, central Madagascar). *Malagasy Nature* 15: 94-107.
35. Godfrey LR, Crowley BE, Muldoon KM, Burns SJ, Scroxton N, Klukkert ZS, Ranivoharimanana L, Alumbaugh J, Borths M, Dart R, Faina P, Goodman SM, Gutierrez IJ, Hansford JP, Hekkala ER, Kinsley CW, Lehman P, Lewis ME, McGee D, Pérez VR, Rahantaharivao J, Rakotoarijaona M, Rasolonjatovo HAM, **Samonds KE**, Turvey ST, Vasey N and Widmann P (2021). Teasing apart impacts of human activity and regional drought on Madagascar's large vertebrate fauna: insights from new excavations at Tsimanampesotse and Antsirafaly. *Frontiers in Ecology and Evolution* 9:742203. doi: 10.3389/fevo.2021.742203.
34. Crowley BE, Godfrey LR, Hansford JP, and **Samonds KE** (2021). Seeing the forest for the trees – and the grasses: Revisiting the evidence for grazer-maintained grasslands in Madagascar's Central Highlands. *Proceedings of the Royal Society B* 288: 2020178520201785. <http://doi.org/10.1098/rspb.2020.1785>.

33. Alumbaugh JL and **Samonds KE** (2021). Morphometric analyses of modern and subfossil *Macronycteris* (family Hipposideridae) refine groups from Anjohibe Cave, northwestern Madagascar. *Acta Chiropterologica* 23(1): 33-43.
32. Godfrey LR, **Samonds KE**, Baldwin J, Sutherland MR, Kamilar J and Allfisher K (2020). Mid-Tertiary climate change and extinction in Madagascar, and their bearing on the evolution of Madagascar's lemurs. *BMC Evolutionary Biology* 20, 97. <https://doi.org/10.1186/s12862-020-01628-1>.
31. Daemicke AK, Galt NJ, **Samonds KE** and Bergan-Roller HE (2020). Challenging Endocrinology students with a critical thinking workbook. *Advances of Physiology Education* 44(1): 72-79. doi:10.1152/advan.00101.2019.
30. Mongle CS, Koenig A, **Samonds KE**, Smaers JB and Borries C (2020). Costly teeth? Gestation length in primates suggests that neonate dentition is not expensive to produce. *The Anatomical Record*. 2020; 1-9. <https://doi.org/10.1002/ar.24411>.
29. Irwin MT, Glander KE, Raharison JL, **Samonds KE**, Sutherland MR, Godfrey LR (2019). Morphometric signals of population decline in diademed sifakas occupying degraded rainforest habitat in Madagascar. *Scientific Reports*, 9(1), 8776. doi:10.1038/s41598-019-45426-2.
28. **Samonds KE**, Crowley BE, Rasolofomanana TRN, Andriambelomanana MC, Andrianavalona HT, Ramihangihajason TN, Rakotozandry RB, Nomenjanahary ZB, Irwin MT, Wells NA and Godfrey LR (2019). New late Pleistocene subfossil site (Tsaramody, Sambaina basin, central Madagascar) with implications for the chronology of habitat and megafaunal community change on Madagascar's central plateau. *Journal of African Earth Sciences*, doi:10.1002/jqs.3096.
27. **Samonds KE**, Ernat RA, Andrianavalona T and Domning DP (2019). New Miocene sirenians from the island of Nosy Makamby, northwestern Madagascar. *Journal of Vertebrate Paleontology*. 39:1, DOI: 10.1080/02724634.2019.1570223.
26. **Samonds KE**, Andrianavalona HT, Wallet LA, Zalmout IS and Ward DJ (2019). A Middle Eocene neoselachian assemblage from nearshore marine deposits, Mahajanga Basin, northwestern Madagascar. *PLoS ONE* 14(2): e0211789. <https://doi.org/10.1371/journal.pone.0211789>.
25. **Samonds KE** and Fordyce E (2019). The first pre-Pleistocene cetacean from Madagascar, western Indian Ocean. *Journal of African Earth Sciences* 151: 184-188.
24. Gottfried MD, **Samonds KE**, Ostrowski SA, Andrianavalona TH, Ramihangihajason TN (2017). New evidence indicates the presence of barracuda (Sphyraenidae) and supports a tropical marine environment in the Miocene of Madagascar. *PLoS ONE* 12(5): e0176553. <https://doi.org/10.1371/journal.pone.0176553>.
23. Crowley BE, Godfrey LR, Bankoff RJ, Perry GH, Gulleton BJ, Kennett DJ, Sutherland MR, **Samonds KE** & Burney DA (2017). Island-wide aridity did not trigger megafaunal extinctions in Madagascar. *Ecography* 40: 901-912.

22. Mathews JC & **Samonds KE** (2016). A juvenile subfossil crocodilian from Anjohibe Cave, Northwestern Madagascar. *PeerJ* 4:e2296; DOI 10.7717/peerj.2296
21. Persino PR, Olson DR, Jenkins M, **Samonds KE** (2016). The novel use of dielectric gel for central nervous system encapsulation in anatomical sciences education. *Journal of the Human Anatomy and Physiology Society* 20(4): 91-95.
20. Ohba M, **Samonds KE**, LaFleur M, Ali JR, & Godfrey LR (2016). Madagascar's climate at the K/P boundary. *Palaeogeography, Palaeoclimatology, Palaeoecology* 441: 688–695.
19. Andrianavalona TH, Ramihangihajason TN, Rasoamiamanana A, Ward DJ, Ali JR, & **Samonds KE** (2015). Miocene shark and batoid fauna from Nosy Makamby (Mahajanga Basin, Northwestern Madagascar) *PLoS ONE* 10(6): e0129444. doi:10.1371/journal.pone.0129444
18. Ramihangihajason TN, Andrianavalona TH, Razafimbelo R, Ali JR, Rahantarisoa L and **Samonds KE** (2014). Miocene Foraminifera from Nosy Mahakamby and Amparafaka, Mahajanga Basin, Madagascar. *Journal of African Earth Sciences* 100:409-417.
17. **Samonds KE**, Godfrey LR, Ali JR, Goodman SM, Vences M, Sutherland MR, Irwin MT, and Krause DW (2013). Imperfect isolation: factors and filters shaping Madagascar's extant vertebrate fauna. *PLoS ONE* 8(4): e62086. doi:10.1371/journal.pone.0062086: <http://www.plosone.org/article/info:doi/10.1371/journal.pone.0062086>
16. Crowley B and **Samonds KE** (2013). Stable carbon isotope values confirm a recent increase in grasslands in Northwestern Madagascar. *The Holocene* 23: 1066-1073 doi: 10.1177/0959683613484675.
15. **Samonds KE**, Godfrey LR, Ali JR, Goodman SM, Vences M, Sutherland MR, Irwin MT, Krause DW (2012). Spatial and temporal arrival patterns of Madagascar's vertebrate fauna explained by distance, ocean currents, and ancestor type. *Proceedings of the National Academy of Sciences (USA)* 109:5352-5357.
14. **Samonds KE**, Parent SN, Muldoon KM, Crowley BE, and Godfrey LR (2010). Rock matrix surrounding subfossil lemur skull yields diverse collection of mammalian subfossils: Implications for reconstructing Madagascar's paleoenvironments. *Malagasy Nature* 4:1-16.
13. Irwin MT, Junge RE, Raharison JL, **Samonds KE** (2010). Variation in physiological health of diademed sifakas across intact and fragmented forest at Tsinjoarivo, eastern Madagascar. *American Journal of Primatology* 72:1013-1025. (featured article).
12. **Samonds KE**, Zalmout I, Irwin MT, Krause DW, Rogers RR and Raharivony LL (2009). *Eotheroides lambondrano*, new Middle Eocene seacow (Mammalia, Sirenia) from the Mahajanga Basin, Northwestern Madagascar. *Journal of Vertebrate Paleontology* 29:1233-1243.

11. Blanco MB, Godfrey LR, Rakotondratsima M, **Samonds KE**, Raharison JL, Irwin MT (2009). Discovery of sympatric dwarf lemur species in the high-altitude rainforest of Tsinjoarivo, eastern Madagascar: Implications for biogeography and conservation. *Folia Primatologica* 80:1-17.
10. **Samonds KE** (2007). Late Pleistocene bat fossils from Anjohibe Cave, northwestern Madagascar. *Acta Chiropterologica* 9(1):39–65.
9. Krause DW, O'Connor PM, Rasoamiamanana AH, Buckley GA, Chatrath PS, Burney DA, Carrano MT, Flynn JJ, Forster CA, Godfrey LR, Jungers WL, Rogers RR, **Samonds KE**, Simons EL, and Wyss AR (2006). Preserving Madagascar's natural heritage: The importance of keeping the islands's fossils in the public domain. *Madagascar Conservation and Development* 1:43-47.
8. Godfrey LR, Schwartz GT, **Samonds KE**, Jungers WL, and Catlett K (2006). The secrets of lemur teeth. *Evolutionary Anthropology* 15:142-154.
7. Godfrey LR, **Samonds KE**, Wright PC and King SJ (2005). Schultz's unruly rule: dental developmental sequences and schedules in small-bodied folivorous lemurs. *Folia Primatologica* 76:77-99.
6. Irwin MT, **Samonds KE**, Wright PC and Raharison J-L (2004). Lemur latrines: Observations of latrine behaviour in wild primates and possible ecological significance. *Journal of Mammalogy* 85(3):420-427.
5. Godfrey LR, **Samonds KE**, Jungers WL, Sutherland MR and Irwin MT (2004). Ontogenetic correlates of diet in Malagasy lemurs. *American Journal of Physical Anthropology* 123:250-276.
4. Irwin MT and **Samonds KE** (2002). Range extension of the Madagascar Red Owl (*Tyto soumagnei*) in Madagascar: The case of a rare, widespread species? *Ibis* 144:680-683.
3. Schwartz GT, **Samonds KE**, Godfrey LR, Jungers WL and Simons EL (2002). Dental microstructure and life history in subfossil lemurs. *Proceedings of the National Academy of Sciences* 99(9):6124-6129.
2. Irwin MT, **Samonds KE**, and Raharison JL (2001). A biological inventory of the lemur community of Réserve Spéciale de Kalambatritra, south-central Madagascar. *Lemur News* 6:24-28.
1. Godfrey LR, **Samonds KE**, Jungers WL and Sutherland MR (2001). Teeth, brains, and primate life histories. *American Journal of Physical Anthropology* 114:192-214.

Book Chapters

- Samonds KE**, Ali JR, Huber M, Vences M, Tiley GP and Yoder AD (2023). History of animal and plant colonization: A synopsis. SM Goodman (ed.) *The new natural history of Madagascar*. Princeton, Princeton University Press. Pp. 73-38.

- Samonds KE**, Goodman SM, Alumbaugh JL*, and Simmons NB (2023). Fossil and subfossil bats. SM Goodman (ed.) *The new natural history of Madagascar*. Princeton, Princeton University Press. Pp. 1859-1862.
- Samonds KE** (2023). Cenozoic fossils of Madagascar. SM Goodman (ed.) *The new natural history of Madagascar*. Princeton, Princeton University Press. Pp. 69-73
- Irwin MT, Blanco M, Raharison J-L & **Samonds KE** (2013). Anjozorobe–Angavo & Tsinjoarivo. Schwitzer C, Mittermeier RA, Davies N, Johnson S, Ratsimbazafy J, Razafindramanana J, Louis EE & Rajaobelina S (eds.), *Lemurs of Madagascar: A strategy for their conservation*. Pp 83-85.
- Godfrey LR, Schwartz GT, Jungers WL, Catlett KK, **Samonds KE**, King SJ, Muldoon KM, Irwin MT, and Burney DA (2013). *Life history variation in Madagascar's giant extinct lemurs*. J. Masters, M. Gamba, and F. Genin (eds.), *Leaping Ahead: Advances in Prosimian Biology*, Springer. Pp. 51-60.
- Heesy, CP, Stevens NJ, and **Samonds KE** (2006). Biogeographic origins of primate higher taxa. In (JG Fleagle and S Lehman eds.). *Primate Biogeography*. Springer Press, New York. Pp. 419-438.
- Godfrey LR, **Samonds KE**, Jungers WL and Sutherland MR (2003). Dental development and primate life histories. In (PM Kappeler and ME Pereira eds.). *Primate Life Histories and Socioecology*. The University of Chicago Press, Chicago. Pp. 177-203.

Books

- Samonds KE** & Irwin MT (book contract approved & signed with Johns Hopkins University Press) *Madagascar: Creation, Destruction, and Hope on an Ancient Island* (to be published in 2023).

Other Publications

- Samonds KE** (2017). Horned Armadillos and Rafting Monkeys: The Fascinating Fossil Mammals of South America. *Journal of Mammalogy*, Volume 99, Issue 1, 1 February 2018, Pages 294-295, <https://doi.org/10.1093/jmammal/gyx145> *Book review*
- Samonds KE** (2015). Extinct Madagascar. *Journal of Mammalogy*: August 2015, Vol. 96, No. 4, pp. 880-881. *Book review*
- Samonds KE** (2014). Megafauna: Giant Beasts of Pleistocene South America. *Journal of Mammalogy*: December 2014, Vol. 95, No. 6, pp. 1308-1309. *Book review*
- Samonds KE** (2012). Escape to Madagascar. *Australasian Science* (October issue).

Meeting Presentations

58. Crowley BE, Godfrey LR, and **Samonds KE** (submitted). What can hippo isotopes tell us about past distribution of C₄ grassy biomes? Annual Meeting of the Society of Vertebrate Paleontologists (Toronto, Canada).
57. Bergan-Roller HE, Rupnow RL, Jaeger C, and **Samonds KE** (2021). Evaluating an intervention to mitigate gender bias in student evaluations of teaching across a biology department. Annual Meeting of the Society for the Advancement of Biology Education Research.
56. Andriambelomanana MC, Rakotodrazafy R, **Samonds KE**, and Schwartz J (2021). Palynological records from the Quaternary subfossil site Ambodifiakarana, Madagascar. 53rd Annual Meeting of the Palynological Society.
55. Alumbaugh K, **Samonds KE**, Goodman SM, and Godfrey LR (2019). A morphometric assessment of modern and extinct *Macronycteris* spp. (Chiroptera: Hipposideridae) on Madagascar. Annual Meeting of the Society of Vertebrate Paleontologists (Brisbane, Australia).
54. **Samonds KE**, Brochu CA, Adams AJ, and Rakotozandry R (2019). A new Miocene crocodyliform from the island of Nosy Makamby, northwestern Madagascar. Annual Meeting of the Society of Vertebrate Paleontologists (Brisbane, Australia).
53. Rasolofomanana NT, **Samonds KE**, Godfrey LR, Andriambelomanana M, Andrianavalona TH, Ramihangihajason NT, Rakotozandry RB, Nomenhanahary BZ, Irwin MT, and Crowley BE (2019). A new Late Pleistocene subfossil site (Tsaramody, Sambaina Basin, Central Madagascar) with implications for the chronology of habitat and megafaunal community change on Madagascar's Central Highlands. Annual Meeting of the Society of Vertebrate Paleontologists (Brisbane, Australia).
52. Rakotozandry RB, Andrianavalona HT, and **Samonds KE** (2019). Subfossil crocodylians from a new Late Pleistocene subfossil site (Tsaramody, Sambaina Basin, Central Madagascar). Annual Meeting of the Society of Vertebrate Paleontologists (Brisbane, Australia).
51. Cline C, **Samonds KE**, and Bergan-Roller H (2019). Written communication skills in Physical Therapy students. Chicago Symposium Series. Excellence in Teaching Mathematics and Science: Research and Practice (Chicago, Illinois).
50. Cline C, **Samonds KE**, and Bergan-Roller H (2019). Written communication skills in Physical Therapy students. Experimental Biology National Conference, Orlando, Florida.
49. Heffernan K, **Samonds KE**, and Irwin MT. 2019. *Propithecus diadema* Infant survival is not influenced by yearly rainfall or mother's dental wear. Experimental Biology National Conference, Orlando, Florida.

48. Bemis C, Gebo D, Irwin M, **Samonds KE** (2018) Prehensility in hominins: Anatomical qualifications of “precision grip” in living and fossil primates. Annual Meeting of the American Association of Physical Anthropologists.
47. **Samonds KE**, Godfrey LR, Baldwin JW, Sutherland J, Kamilar J, and Allfisher K (2017). Mid-Tertiary climate change, extinction and speciation in Madagascar, and their bearing on the evolution on the evolution of Madagascar’s lemurs. Journal of Vertebrate Paleontology, Program and Abstracts, 2017, 188.
46. Persino P, **Samonds KE**, Olson D & Jenkins M (2017). The novel use of dielectric gel for central nervous system encapsulation and preservation. Annual Meeting of the American Association of Anatomists (Chicago, Illinois).
45. Heffernan KS, **Samonds KE** & Irwin MT (2017). The effect of dental senescence on fecal particle size for *Propithecus diadema* in the fragmented and pristine forests of Tsinjoarivo, Madagascar. Annual Meeting of the American Association of Anatomists (Chicago, Illinois).
44. **Samonds KE** & Fordyce E (2016). Fossil cetacean from the late Miocene of northwestern Madagascar. Annual Meeting of the Society of Vertebrate Paleontologists (Salt Lake City, Utah).
43. Mongle CS, Koenig A, **Samonds KE**, Smaers JB, Borries C (2016). Expensive tissues and gestation length in primates. Annual Meeting of the American Association of Physical Anthropologists (Atlanta, Georgia) S159:233.
42. **Samonds KE**, Gunnell GF, Goodman SM & Simmons NB (2016). Miocene fossil bats from Nosy Makamby, Northwestern Madagascar. International Bat Research Conference, Durban, South Africa.
41. Andrianavalona TH, Ramihangihajason TN, Gottfried M & **Samonds KE** (2015). Picking through the trash: the value of targeting screening for deciphering Madagascar’s fossil record. Annual Meeting of the Society of Vertebrate Paleontologists (Dallas, Texas).
40. Mathews JC & **Samonds KE** (2015). A new juvenile subfossil Crocodile from Anjohibe Cave, northwestern Madagascar. Annual Meeting of the Society of Vertebrate Paleontologists (Dallas, Texas).
39. Godfrey LR, Crowley BR, **Samonds KE** & Sutherland MR (2015). Did climate change trigger the megafaunal extinctions in Madagascar. Annual Meeting of the American Association of Physical Anthropologists (Saint Louis, Missouri).
38. Fisher JAL, Irwin MT, **Samonds KE** & Raharison J-L (2015). Supplementing child health in Tsinjoarivo, Madagascar. Annual Meeting of the Society for Applied Anthropology (Pittsburgh, Pennsylvania).
37. **Samonds KE**, Gunnell GF & Simmons NB (2014). Filling the Cenozoic Gap: Miocene bats from Nosy Makamby, Madagascar. Annual Meeting of the Society of Vertebrate Paleontologists (Berlin, Germany). Journal of Vertebrate Paleontology, Program and Abstracts, 2014, 220.

36. Gottfried MD, **Samonds KE** & Ostrowski S (2014). A barracuda-dominated tropical fish fauna from the Miocene of Madagascar. Annual Meeting of the Society of Vertebrate Paleontologists (Berlin, Germany). Journal of Vertebrate Paleontology, Program and Abstracts, 2014,140.
35. Irwin MT, Raharison J, Chapman CA, Junge RE, **Samonds KE** & Rothman JM (2014). Falling short: Minerals as nutritional challenges in diademed sifakas (*Propithecus diadema*). Annual Meeting of the American Association of Physical Anthropologists (Calgary, Alberta, Canada).
34. **Samonds KE**, Godfrey LR, Crowley BE & Sutherland MR (2014). In the footsteps of giants: deciphering the details of the demise of Madagascar's subfossil lemurs. Annual Meeting of the American Association of Physical Anthropologists (Calgary, Alberta, Canada).
33. Ramihangihajason TN, Andrianavalona TH, Razafinbelo R, Rahantarisoa L, Ali JR & **Samonds KE** (2013). Miocene benthic foraminifera from Nosy Makamby and Amparafaka, Mahajanga Basin, Northwestern Madagascar. Annual Meeting of the Geological Society of America (Denver, USA).
32. **Samonds KE**, Godfrey LR, Crowley BE & Sutherland MR (2013). The chronology of lemur extinction in near and deep time. Annual Meeting of the Society of Vertebrate Paleontologists (Los Angeles, USA).
31. Crowley BE & **Samonds KE** (2012). Documenting ecological change in Northwestern Madagascar. Annual Meeting of the American Geophysical Union (San Francisco, USA).
30. **Samonds KE** (2012). The role of transoceanic rafting in the colonization of Madagascar by lemurs and other vertebrates. Annual Meeting of the Midwest Primate Interest Group (MPIG) (Northern Illinois University).
29. Andrianavalona T, Ramihangihajason T, Rasoamiamanana A., Ward D, **Samonds KE** (2012). Miocene shark fauna from Nosy Makamby (Mahajanga Basin, northwestern Madagascar). Annual Meeting of the Society of Vertebrate Paleontologists (Raleigh, USA).
28. Godfrey LR, **Samonds KE**, Ali JR, Goodman SM, Vences M, Sutherland MR, Irwin MT & Krause DW (2012). Reconstructing Madagascar's vertebrate colonization history: a journey through time. Annual Meeting of the American Association of Physical Anthropologists (Portland, USA).
27. **Samonds KE** & Conway SC (2011). Large subfossil frog from Northwestern Madagascar. Conference of the Society of Vertebrate Paleontologists (Las Vegas, USA).
26. **Samonds KE** (2011). First glimpse into the gap: New vertebrate fossils from the Cenozoic of Madagascar. Conference on Australasian Vertebrate Evolution Paleontology and Systematics (Perth, Australia).

25. Irwin MT, Raharison J-L & **Samonds KE** (2008). The Economics, Ethics, and Ecology of "Transfert de Gestion" in Madagascar. Indian Ocean World Centre (IOWC) (Montreal, Canada).
24. Blanco MB, Godfrey LR, Rakotondratsima M, **Samonds KE**, Raharison JL & Irwin MT (2008). Clinging to the edge: Diversity of the genus *Cheirogaleus* in the high-altitude forests of Tsinjoarivo. Annual Meeting of the Northeast Anthropological Association (USA).
23. Blanco MB, Godfrey LR, Rakotondratsima M, Samonds KE, Raharison JL & Irwin MT (2008). Discovery of sympatric *Cheirogaleus* species in the high-altitude rainforest of Tsinjoarivo, eastern central Madagascar: Implications for biogeography and conservation. Annual Meeting of the American Association of Physical Anthropologists.
22. Godfrey LR, Schwartz GT, Jungers WL, Catlett KK, **Samonds KE**, King SJ, Muldoon KM, Irwin MT & Burney DA (2007). Anthropoid analogues? Life history variation in Madagascar's giant extinct lemurs. Prosimians Congress 2007.
21. **Samonds KE**, Zalmout IS, Irwin MT & Raharivony LL (2007). Sirenian postcrania from Nosy Mahakamby, Northwestern Madagascar. *Journal of Vertebrate Paleontology* 27(3):139A.
20. Irwin MT, Glander KE, Raharison J-L & **Samonds KE** (2007). Effect of habitat and sex on body mass and morphometrics of diademed sifakas (*Propithecus diadema*). *American Journal of Physical Anthropology* 132 (Supplement 44):134.
19. Godfrey LR, Schwartz GT, Jungers WL, Irwin MT, **Samonds KE**, Catlett KK & Burney DA (2007). In memoriam: The megafauna of Madagascar. *American Journal of Physical Anthropology* 132 (Supplement 44):116.
18. Parent, SA & **Samonds KE** (2006). Why paleontologists should pick through the trash: Micromammals preserved in subfossil matrix yield valuable information on Madagascar's paleoecology. *Journal of Vertebrate Paleontology* 26 (Supplement 3):108-109A.
17. **Samonds KE**, Irwin MT, Raharison J-L, Razanadrakoto E, Rakotoarimanana H, Ranaivoson E, Rakotofanala J & Randrianarimanana C (2006). Promoting coexistence of sifakas and humans at Tsinjoarivo, Eastern Madagascar: The impact of grass-roots education and conservation projects. *International Journal of Primatology Abstract* #505.
16. **Samonds KE**, Heesy CP & Grgas M (2006). Patterns of morphological homoplasy in extant and extinct Malagasy strepsirrhines. *American Journal of Physical Anthropology* 129 (Supplement 42):156-157.
15. Godfrey LR, **Samonds KE**, Jungers WL & Catlett, KK (2006). Across the ecological divide: Dental developmental diversity in Madagascar's giant lemurs. *American Journal of Physical Anthropology* 129 (Supplement 42):160-161.

14. **Samonds KE**, Zalmout I & Krause DW (2005). New sirenian fossils from the Late Eocene of Madagascar. *Journal of Vertebrate Paleontology* 25 (Supplement 3):108A.
13. **Samonds KE**, Raharison J-L & Irwin MT (2005). Quantifying the positional behavior of diademed sifakas (*Propithecus diadema*) and the effects of forest structure on support use. *American Journal of Primatology* 66(S1):151.
12. **Samonds KE** & Burney DA (2004). New Late Pleistocene fossils from Anjohibe Cave, Madagascar. *Journal of Vertebrate Paleontology* 24 (Supplement 3):108A.
11. Irwin MT, **Samonds KE**, Raharison J-L & Wright PC (2004). Lemur latrines: Do "latrines" of wild primates function in inter-group olfactory communication? *American Journal of Physical Anthropology* 123 (Supplement 38):118-119.
10. **Samonds KE** & Godfrey LR (2003). Schultz's rule and dental development in Malagasy lemurs: A cautionary tale. *American Journal of Physical Anthropology*, 120 (Supplement 36):182.
9. Johnson SE, Irwin MT, Wright PC, Arrigo-Nelson S, Grassi C, **Samonds KE** & Smith TA (2003). Natural and anthropogenic influences on lemur population structure in southeastern Madagascar. *American Journal of Physical Anthropology*, 120 (Supplement 36):123.
8. **Samonds KE** & Zalmout I (2002). New selachian assemblage from the marine Paleogene of Madagascar. *Journal of Vertebrate Paleontology* 22 (Supplement 3):102A.
7. **Samonds KE**, Loewen MA, Buckley GA & Whatley RL (2001). Vertebrate fossils from the Cenozoic of Madagascar. *Geological Society of America* 33(6):A-389.
6. Loewen MA, **Samonds KE** & Ramarolahy MF (2001). Lake Tsimanampetsotsa, a modern playa lake in Madagascar. *Geological Society of America* 33(6):A-443.
5. **Samonds KE**, Schwartz GT, Jungers WL & Godfrey LR (2001). Dental development and life history in subfossil lemurs. *American Journal of Physical Anthropology* 114 (Supplement 32):129.
4. Schwartz GT, **Samonds KE**, Jungers WL & Godfrey LR (2000). Dental microstructure and life history in subfossil lemurs. *Journal of Vertebrate Paleontology* 20 (Supplement):68A.
3. Godfrey LR, **Samonds KE** & Jungers WL (1999). Dental development and primate life histories. In Conference: Primate Socio-ecology: The role of life histories. Deutsches Primatenzentrum, 14-17 December, 1999.
2. **Samonds KE**, Godfrey LR, Jungers WL & Martin LB (1999). Accelerated dental development in the Indridae and the Paleopropithecidae. *American Journal of Physical Anthropology* 108 (Supplement 28):238-239.

1. **Samonds KE & Godfrey LR (1998).** Accelerated dental development in the Indridae and Palaeopropithecidae: Phylogenetic, Ecological, and Life History Correlates. IPS Congress Abstract Brochure, Abstract # 340, Université d'Antananarivo.

Grants

2020 **Durrell Wildlife Conservation Trust (UK)**, \$50,000.
2019 **National Geographic Society**, Support for Women and Dependent Care, \$9,985.00.
2018 **National Geographic Committee for Research and Exploration**, Research Grant, \$26,650.
2016 **University Honors Scholar Faculty mentor** (support for mentoring NIU student Rebekah Ernat \$500).
2016 **Lillian Cobb Faculty Travel Fellowship Grant** (\$2000 + \$500 *matching funds*).
2016 **Research and Artistry Grant**, Northern Illinois University, \$9,000.
2015 **National Geographic Committee for Research and Exploration**, Research Grant, \$23,520.
2014 **Lillian Cobb Faculty Travel Fellowship Grant** (\$1333 + \$400 *matching funds*).
2013 **NIU Open Access Publishing Support**, Northern Illinois University, \$1,350.
2013 **Research and Artistry Grant**, Northern Illinois University, \$10,000.
2011 **Early Career Researcher Grant**, University of Queensland, \$34,000.
2011 **New Staff Research Start-Up Fund**, University of Queensland, \$12,000.
2009 **National Geographic Committee for Research and Exploration**, Research Grant, \$18,200.
2009 **African Woman's Development Fund**, (as International Coordinator) for 2010 *Taratra Reny sy Zaza* woman's health workshop in rural Madagascar \$8,000.
2009 **American Philosophical Society**, Franklin Research Grant, \$5,000.
2007 **The Explorer's Club**, Exploration Fund, \$1,200.
2007 **American Philosophical Society**, Franklin Research Grant, \$5,000.
2006 **National Geographic Committee for Research and Exploration**, Research Grant, \$3,000, supplemental funds for grant #7687-04.
2004 **National Geographic Committee for Research and Exploration**, Research Grant, \$19,975.
2002 **Cave Research Foundation**, Research Grant, \$500.
2002 **Geological Society of America**, Research Grant, \$1,200.
2002 **The Field Museum of Natural History**, Travel Grant, \$840.
2001 **The Explorer's Club**, Exploration Fund, \$1,200.
2001 **2111 Foundation**, Annual Grant, \$500.
2001 **The Paleontological Society**, Grant-In-Aid Distinguished Award, \$500.
2000 **Geological Society of America**, Grants-In-Aid of Research, \$2,500.
1998-2006 **Graduate Student Organization**, Travel Grants, \$2000, Stony Brook University.

Honors and Awards

2017-2018 **U.S. Fulbright Scholars African Regional Research Program Award**.
2008-2009 **U.S. Fulbright Scholars African Regional Research Program Award**.
2004 **President's Award for Excellence in Teaching**, \$500, Stony Brook University.
2002 **Dissertation Fellowship**, \$15,000, Cave Conservancy Foundation, "The origin and evolution of extant Malagasy bats: Implications of new Late Pleistocene fossils for reconstructing Madagascar's biogeographic history."

2000 **Bryan Patterson award**, \$2,000, Society of Vertebrate Paleontology, Northbrook, IL.
1998-2006 **Research and Travel Grants**, \$1,200, Department of Anatomical Sciences,
Stony Brook University.
1996 **BIOSCI Award** for outstanding scientific achievements, Univ. of MA at Amherst.

Paleontological Field Experience

2001-present Principal investigator, leading international team on paleontological reconnaissance to Cenozoic field localities in Madagascar.
1999, 2001 & 2003 Participated in Dr. David Krause's fieldwork in Berivotra, Madagascar.
1999 Geologic field assistant to Dr. Joe Hartman in the Mahajanga Basin, Madagascar.
1995 Indiana University Geologic Field School in Glendive, MT.
1994 Paleontological field assistant to Dr. John Hunter and Dr. David Krause (Stony Brook University) in Makoshika State Park, Glendive, MT.
1993 Paleontological field assistant to Dr. Mary Maas and Dr. David Krause (Stony Brook University), Crazy Mountain Basin, Melville, MT.

Students Advised/Supervised

Graduate Students (Research)

2021-present **Chloé Gherardi**, *Ph.D. co-advisor* (with Dr. Mitchell Irwin, Department of Anthropology), Dept. of Biological Sciences, NIU.
2020-2021 **Coleman Czajkowski**, *M.S. advisor*, Dept. of Biological Sciences, NIU.
2019-present **Kara Coffman-Rea**, *Ph.D. advisor*, Dept. of Biological Sciences, NIU.
2019-present **Eli Lester**, *Ph.D. advisor*, Dept. of Biological Sciences, NIU.
2019-2021 **Ravoniaina Rakotozandry**, *Ph.D. Directeur de these*, University of Antananarivo.
2019-2021 **Chloé Gherardi**, *M.S. thesis co-advisor* (with Dr. Mitchell Irwin, Department of Anthropology), Dept. of Biological Sciences, NIU.
2018-present **Christina Cline**, *Ph.D.co-advisor* (with Dr. Heather Bergan-Roller), Dept. of Biological Sciences, NIU.
2018-present **Nomena Zafindratsaravelo**, *Ph.D. Directeur de these*, University of Antananarivo
2018-present **Miora Cristelle Andriambelomanana**, *Ph.D. Directeur de these*, University of Antananarivo
2018-2021 **Dianah Raharisoanarindra**, *Advisor (Masters)*, University of Antananarivo
2017-present **Nadia Rasolofomanana**, *Ph.D. Directeur de these*, University of Antananarivo.
2017-2021 **Allison Shackelton**, *Ph.D. thesis co-advisor* (with Dr. James Hansford, Zoological Society of London), Dept. of Biological Sciences, NIU.
2017-2019 **Jamie Alumbaugh**, *M.S. thesis advisor*, Dept. of Biological Sciences, NIU.
2017-2019 **Ravoniaina Rakotozandry**, *DEA (Masters by Research)*, University of Antananarivo, "Subfossil crocodylians from the Tsaramody subfossil site, Sambaina Basin, Madagascar."
2016-2018 **Nomena Zafindratsaravelo**, *DEA (Masters by Research)*, University of Antananarivo, "Subfossil birds from the Tsaramody subfossil site, Sambaina Basin, Madagascar."
2016-2018 **Miora Cristelle Andriambelomanana**, *DEA (Masters by Research)*, University of Antananarivo, "Palynological and paleoenvironmental reconstruction of the Tsaramody subfossil site, Sambaina Basin, Madagascar."

2015-2016 **Nadia Rasolofomanana**, *DEA advisor (Masters by Research)*, University of Antananarivo, “Paléoenvironnement des subfossiles de Tsaramody – Sambaina Ambohibary.”

2015-2016 **Mike Taylor**, *Master’s thesis committee member* “Morphology and biogeography of Malagasy carnivorans” NIU.

2014-2015 **Maheizo Sandiarisata**, *DEA advisor (Masters by Research)*, University of Antananarivo, “Caractérisation du nouveau site a subfossile de Tsaramody – Sambaina Ambohibary.”

2014-present **Joshua Mathews**, *Ph.D. thesis advisor*, Dept. of Biological Sciences, NIU.

2014-2021 **Kristy Tuttle**, *Ph. D. thesis committee member*, Dept. of Biological Sciences, NIU.

2013-2015 **Jeremy Klingler**, *M.S. thesis committee member*, Dept. of Biological Sciences, NIU.

2013-2014 **Kristine Mitchell**, *M.A. thesis committee member*, Department of Anthropology, NIU.

2013-2014 **Burcu Carlon**, *Ph.D. thesis co-advisor* (with Dr. Christopher Hubbard), Dept. of Biological Sciences, NIU.

2013-2019 **Katie Heffernan**, *Ph.D. thesis advisor*, Dept. of Biological Sciences, NIU.

2013-2014 **Lindsey Koper**, *M.S. thesis committee member*, Dept. of Biological Sciences, NIU.

2013-2018 **Angela Reddick**, *M.S. thesis co-advisor* (with Dr. Reed Scherer, Dept. of Geology and Environmental Geosciences) NIU.

2013-2015 **Elise Orellana** *M.S. thesis committee member*, Dept. of Biological Sciences NIU.

2013-2014 **Michelle Heider**, *M.S. thesis committee member*, Dept. of Geology and Environmental Geosciences) NIU.

2011-2016 **Tsiory Andrianavalona**, *Ph.D. Directeur de these*, University of Antananarivo.

2011-2016 **Tolotra Niaina Ramihangihajason**, *Ph.D. Directeur de thèse*, University of Antananarivo.

2011-2015 **Sitraka Razafisambatra Andrianarivo**, *DEA (Masters by Research)*, University of Antananarivo, “Biostratonomie de la couche à Mollusques des formations marines du Miocène de l’île Makamby” (*DEA awarded 2015*).

2010-2011 **Tsiory Andrianavalona**, *DEA co-advisor (Masters by Research)*, University of Antananarivo, “Contribution a l’étude des requins fossiles du Miocène de Nosy Makamby – Bassin de Mahajanga.” (*DEA awarded 2011*).

2010-2011 **Tolotra Niaina Ramihangihajason**, *DEA co-advisor (Masters by Research)*, University of Antananarivo, “Le Miocène du Bassin de Mahajanga: Paléoenvironnement basé sur les microfossiles, l’analyse séquentielle et le genre *Kuphus* Guettard 1770.” (*DEA awarded 2011*).

2005-present **Lydia Raharivony**, Université d’Antananarivo, *Ph.D. co-advisor*. Invertebrate communities and paleoecology of the Cenozoic deposits of the Mahajanga basin, northwestern Madagascar.

Graduate Students with specialization in Human Anatomical Sciences (Master’s)

2022-present **Matthew Fardoux**
 2022-present **Donna Marie Karge-Galik**
 2022-present **Ishita Bhuptani**
 2021-present **Sakina Sabbir**
 2021-present **Mattilyn Moon-Eaton**
 2020-present **Lisa Licari**

2020-2022 **Brenda Anak Ganeng** “*Representations and Perceptions of Sexual Pleasure in Undergraduate Anatomy and Physiology (A&P) Courses*” (committee member)

2019-2020 **Krista Hoercherl** “*A Radiographic Analysis of the Thoracic and Abdominopelvic Cavities*” (committee member)

2019-2020 **Natalie Hernandez** “*Illuminated brachial plexus*” (committee member)

2018-2020 **Geoff Fernquist** “*Vital Stages of the Developing Embryo Heart*” (*major advisor)

2018-2020 **Summer Bird** “*Development of the Fetal Aortic Arches*” (*major advisor)

2017-2019 **Alexandra Daemicke** “*Challenging Endocrinology Students with a Critical Thinking Workbook*” (co-advisor with Dr. Heather Bergan-Roller)

2017-2019 **Rucha Shah** “*Unfolding the uterus: detailed atlas and teaching model of cadaveric specimens*” (co-advisor with Dr. Daniel Olson)

2017-2019 **Ty Harmston** “*The forearm forever: photographic atlas and teaching model*” (*major advisor)

2017-2019 **Emma Rudolph** “*Gross anatomy dissection manual*” (co-advisor with Dr. Daniel Olson)

2016-2019 **Alex Roth** “*A life frozen in glass: a comprehensive guide of the human heart*” (*major advisor)

2016-2018 **Sally Jo Detloff** “*Marrying BIOS311 lecture & lab: a targeted lab manual bringing both aspects of the course together*” (committee member)

2016-2018 **Harrison Barnhart** “*Pathohistological diagnosis of neurological diseases*” (*major advisor)

2016-2018 **Haider Saadat** “*The knee joint: surgical anatomy and clinical conditions*” (*major advisor)

2015-2018 **Adita Ghney** “*Essentials of orofacial anatomy*” (committee member)

2015-2017 **Zachary Zankle** “*Brachial plexus dissection & preservation*” (*major advisor)

2015-2017 **Christina Cline** “*A comprehensive video review for BIOS311*” (*major advisor)

2015-2017 **James Mateika** “*The pterygopalatine fossa: Bermuda triangle of the skull*” (*major advisor)

2015-2017 **Cody Sanders** “*Paranasal sinuses & nasal cavity*” (committee member)

2014-2016 **Kara Coffman** “*A comprehensive guide to the inguinal region*” (*major advisor)

2014-2016 **Mary McGinn** “*Early human fetal period: Dissections and photographic atlas*” (*major advisor)

2014-2016 **Thurston Kallas** “*Myofascial dissection of the superficial back*” (*major advisor)

2014-2016 **Natalie Nunner** “*Dissection and Illustration of the Pelvic Cavity, Internal Iliac Artery, and Sacral Plexus*” (*major advisor)

2014-2016 **Jesus Fulgencio** “*Muscles of the eye*” (committee member)

2013-2015 **Mia Bryan** “*Female Breasts, A lifelong anatomical guide*” (*major advisor)

2012-2014 **Philip Persino** “*Central nervous system excision and encapsulation*” (co-advisor with Dr. Daniel Olson)

2012-2014 **Alena Feltner** “*Extremity diarthrodial joints – Human cadaver dissection and presentation*” (committee member)

2012-2014 **Arjun Gohil** “*Examination of the Origins, Pathways, and Targets of the 12 Cranial Nerves*” (committee member)

2011-2013 **Grace Hongsermeier** “*Atlas of thoracic cadaver dissection with accompanying histology sections*” (committee member)

2011-2013 **James Salvatore** “*A glimpse of the human nervous system at 15 weeks*” (committee member)

- 2011-2013 **Barbie Klein** “Atlas of abdominal cadaver dissection with accompanying histology sections” (committee member)
- 2011-2013 **Kelly Fallon** “Histology on the fly: A digital learning tool for students” (*major advisor)

Undergraduate Students

- 2020-2021 **Michael Vitha-Nolan**, *Scientific Illustration, in collaboration with the NIU School of Art and Design.*
- 2020-2021 **Ryan Dewey** (co-advised with Dr. Todd Buck), *Scientific Illustration, in collaboration with the NIU School of Art and Design.*
- 2019-2020 **Coleman Czajkowski**, *Directed Undergraduate Research (GEOL489), NIU.*
- 2018-2019 **Kendra Wilkinson**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2018-2019 **D’Nai Ashford**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2017-2019 **Peyton Whiston**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2017-2018 **Natalia Peña**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2017-2019 **Ellen Rosenwinkel**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2016-2018 **Kwame Ababio**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2016-2017 **Kailynn Madsen**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2016-2017 **Kiana Hester**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2015-2017 **Rebekah Ernat**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2015-2017 **Isabella Huminsky**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2015-2016 **Morgan Hirschfield**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2015 **Emily Robertson**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2014 **Meghan Timke**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2014-2016 **Melissa Woodall**, *Laboratory Scientific Illustrator for the Samonds lab.*
- 2014-2015 **Jessica Cox**, *Research Rookies mentor, NIU.*
- 2014 **Caitlin Crookshank**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2014 **Ryan Burke**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2014 **Allison Reed**, *Capstone Honors Thesis (BIOS499H), NIU.*
- 2014 **Rebecca Stith**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2013-2014 **Paul Regan**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2013-2014 **Tomas Yurek**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2013-2014 **Trevor Christ**, *Directed Undergraduate Research (BIOS370), NIU.*
- 2013 **Brittany Gerald**, *Directed Undergraduate Research (BIOS370, BIOS499H) & Capstone Honors Thesis.*
- 2012-2014 **Samantha Kraft**, *Directed Undergraduate Research (BIOS370) & Undergraduate Research Apprenticeship Program (URAP), NIU.*
- 2010 **Elise McLellan & Mariane Bolla**, McGill University, research project supervisor. Taphonomy of *Hippopotamus* subfossils from Anjohibe Cave, Madagascar.
- 2010 **Allison Moore**, McGill University, research project supervisor. Identification and biogeography of Eocene crocodile fossils from northwestern Madagascar.
- 2009 **Kinsey Lam**, McGill University, research project supervisor. CT scanning and 3D modeling of fossil sirenian ribs.
- 2009 **Jessica Murray**, McGill University, research project supervisor. 3D reconstruction of fossil sirenian skull and soft tissue morphology.
- 2008 **Lucy Erickson**, McGill University, research project supervisor. Identification and biogeography of Eocene turtle fossils from northwestern Madagascar.
- 2006-2008 **Tim Devlin**, McGill University, independent study supervisor. Microwear signatures in the dentition of mustelid carnivores.

- 2005-2007 **Sara Parent**, Mount Holyoke Dept. of Biological Sciences, faculty mentor.
Identification of micromammal fossils in matrix from Anjohibe cave, northwestern Madagascar.
- 2005-2006 **Lane Wallett**, Mount Holyoke Dept. of Biological Sciences, thesis advisor.
Thesis title “Eocene selachian fauna from nearshore marine deposits, Ampazony, Northwestern Madagascar” May 2006.
- 2005-2006 **Melanie Hnot**, Mount Holyoke Dept. of Biological Sciences, senior honors thesis. Title “Muscle activation and strain in the guinea pig hindlimb” May 2006.
- 2005-2006 **Vivienne Carlsen**, Mount Holyoke Dept. of Biological Sciences, faculty mentor.
Investigation of dental health in rural communities in Madagascar.

Museum Experience

- Conducted research at the American Museum of Natural History (New York), Field Museum of Natural History (Chicago), Smithsonian Institution (Washington, D.C.), Pratt Museum of Natural History (Amherst), Museum of Comparative Zoology (Cambridge), Muséum national d'Histoire Naturelle (Paris), University of Antananarivo (Madagascar), Redpath Museum (Montreal), and Royal Ontario Museum (Toronto).
- 2015: Fossils from Samonds lab featured in exhibit at Bruce Museum (April 11, 2015 - November 8, 2015) entitled “*Ghosts of the Past*” (Greenwich, CT).
- 1994-1996: Curatorial volunteer at the Pratt Museum of Natural History (MA, USA).

Media

- 2023: idw-Informationdienst Wissenschaft: Molekulare Archäologie: [1200 Jahre alte DNA-Sequenzen aus Madagaskar führen zu Entdeckung ausgerotteter Landschildkröte](#) (January 12, 2023).
- 2023: GenomeWeb: [Ancient DNA sheds new light on history of giant tortoises](#) (January 12, 2023).
- 2023: PhysOrg: [New species of giant tortoise discovered after a century of mistaken identity](#) (January 12, 2023).
- 2023: LiveScience: [Extinct giant tortoise was the 'mammoth' of Madagascar 1,000 years ago](#) (January 12, 2023).
- 2020: Zoological Society of London *Wild Science* podcast: [Madagascar's missing megafauna: life after lemurs, hippos and elephant birds](#) (May 14, 2020).
- 2020: Skype a Scientist (March 17, May 19, June 9, 2020) “Dinosaurs, Madagascar and Fossils!”
- 2019: CBC Radio Canada – [The Current](#) (December 11, 2019)
- 2019: Science Daily “[A rare assemblage of sharks and rays from nearshore environments of Eocene Madagascar](#)” (February 29, 2019)
- 2019: PLoS Paleontology Community Blog “[Modern Connections for the Ancient sharks of Madagascar](#)” (February 27, 2019)
- 2019: Featured in “*Field Secrets*” blog as a Featured Contributor “[Paleontologist Mom](#)” (January 17, 2019)
- 2017: Featured in children’s book “[She Found Fossils](#)” (by Maria Eugenia Gold & Abagael Rosemary West, and illustrated by Amy Gardiner)
- 2016: BBC Worldwide series “[Nature’s Wonderlands: Islands of Evolution. Madagascar – A World Apart](#)” (Lion Television)
- 2016: UA Web TV “[Paleontologie et Anthropologie Biologique: potentialité touristique, culturelle et socio économique](#)”

- 2015: Smithsonian.com (online), "[Tiny Fossils Reveal the Rise of Mammals on Madagascar](#)" (December 28, 2015)
- 2015: Northern Now, "[Mysteries of Madagascar](#)" (Fall Issue, 2015)
- 2015: Daily Chronicle (DeKalb, Illinois), "[Face Time with Karen Samonds](#)" (August 31, 2015)
- 2015: Filming for BBC 4 / BBC Worldwide series "*Islands of Evolution: Sambaia*" (Lion Television).
- 2015: NIU Newsroom, "[Mysteries of Madagascar](#)" (May 28th, 2015)
- 2015: NIU Today, "Making the world a better place" student research, artistry and engagement celebrated at NIU event" ([video link](#)).
- 2015: NIU Newsroom "[Cutting Edge: NIU's cadaver lab trains students for success in research and health sciences](#)" (March 3, 2015)
- 2015: NIU Today "[Screening of 'Voyage of the Continents' set for January 30](#)" (January 22, 2015)
- 2014: Media: Voyage of the Continents (Season 2) - Africa Origins (<http://vimeo.com/113932840>)
- 2014: La Valse des Continents (Season 2) - Aux origines de l'Afrique (http://boutique.arte.tv/f9869-valse_continents_saison_2_episode_4)
- 2014: NIU Today "[Something Wild](#)" (Oct 7, 2013)
- 2013: Rock River Times "[Madagascar topic of Oct. 27 lecture at Burpee](#)" (October 23-29 issue)
- 2013: NIU Today "[National Geographic features Karen Samonds during International Women's Day Celebration](#)" (March 8, 2013)
- 2013: Explorer's Journal (National Geographic), "[International Women's Day: Women Explorers](#)"
- 2012: Our World Today "Madagascar: A "raft" of biodiversity" (April 2, 2012)
- 2012: Dong-A Science, Seoul, Korea "[Animals, how could you go to Madagascar lying 400km off the east coast of Africa?](#)" (March 30, 2012)
- 2012: Cosmos magazine "How Madagascar got its menagerie" (March 21, 2012)
- 2012: Science Alert "Madagascan animals were foreign" (March 21, 2012)
- 2012: Earth Times "[Madagascar is worlds apart](#)" (March 21, 2012)
- 2012: Sci-News "[Study reveals origins of Madagascar's unique fauna](#)" (March 21, 2012)
- 2012: New York Times "[On our radar: Madagascar's biodiversity](#)" (March 20)
- 2012: Der Spiegel, Germany "Einzigartige tierwelt: Wie Madagaskar seine merkwürdigkeiten bekam" (March 20, 2012)
- 2012: MSNBC "Species 'rafted' to Madagascar – some believe" (March 19, 2012)
- 2012: Our Amazing Planet "Species hitched ride to Madagascar on floating islands" (March 19, 2012)
- 2012: Kennislink, Netherlands "[Drijven, zwemmen of vliegen: Oversteek voorouders Malagassische bewoners achterhaald](#)" (March 19, 2012)
- 2012: Live Science "[Species hitched ride on floating islands](#)" (March 19, 2012)
- 2012: Daily Mail "[Madagascar movie was true! Exotic animals really did sail on rafts to the island, say researchers](#)" (March 19, 2012)
- 2012: Totally Wild, Ten (Television Australia) "*Madagascar Paleontologist*" (July 31, 2012)
- 2010: Decouverte, Radio Canada Télévision "Le plus vieil ancêtre du Dugong" (March 7, 2010)
- 2010: Navneet Newshouse, India "Ancient Sea Cow", VOL XIV, No. 32 65140/96, Mumbai, Jan 2-8.

- 2009: National Geographic Online “Prehistoric Pygmy Sea Cow Discovered in Madagascar” (December 12, 2009)
- 2009: Montreal Gazette “Montreal researcher discovers ancient pygmy sea cow off coast of Africa” (December 12, 2009)
- 2009: McGill University Press Release “Ancient pygmy sea cow discovered” (December 12, 2009)
- 2009: Quirks and Quarks interview on CBC Radio “Scientists see a sea cow” (December 12, 2009)
- 2009: CTV morning interview “Sea monster” (October 28, 2009)

Invited Lectures

- September 19, 2021: *Know Bones About it: Paleontology, Anthropology, and What to do when you find a skeleton*. NIU Teen STEM Café, Dekalb Public Library
- December 9, 2020: 6th grade *Math Careers Day*, Sycamore Middle School - video presentation.
- Skype a Scientist (March 17, May 19, June 9, 2020) “*Dinosaurs, Madagascar and Fossils!*”
- December 16, 2019: Guest lecturer for 3rd grade students at North Grove Elementary School on the “*Mysteries of Madagascar.*”
- November 12, 2019 “*In the footsteps of giants: deciphering the details and demise of Madagascar's subfossil communities*” Invited Seminar, Zoological Society of London.
- September 20, 2019: *The Academy: Dr. Karen Samonds*. Sauk Valley Community College.
- September 13, 2019: *Stepping Towards Science* – North Elementary School Walk-a-Thon.
- February 16, 2019: “The Professoriate and Parenting” Workshop Participant and Presenter, *Turning Fellows into Faculty, Diversifying Faculty in Illinois (DFI) Initiative*.
- January 24, 2019 “*The Origin and Evolution of Madagascar’s Modern Vertebrates*” Invited Seminar, Royal Tyrrell Museum, Drumheller, Alberta, Canada.
- November 13, 2018. Invited speaker, *Fossil Fever*, Sycamore library (K-5 children)
- November 13, 2018. Invited speaker, *Career Spotlight*, Sycamore library (teens & adults)
- March 4, 2018: Invited Speaker (with Nadia Rasolofomanana) – *Celebrating 20 Years of Paleofest!* (Rockford, Illinois).
- February 21, 2018: Invited Speaker, *Women in Science symposium*, Northern Illinois University.
- October 23, 2017: Guest lecturer for 5th grade students at West Elementary School on *Paleontology and the Mysteries of Madagascar*.
- May 1, 2017: Guest lecturer for 5th grade students at North Elementary School on *Anatomy and the Human Body*.
- March 7, 2017: Invited Speaker, Girl Scouts of America (First congregational Church in DeKalb).
- November 30, 2016: Invited Speaker, Girl Scouts of America (First Lutheran Church in Dekalb).
- March 13, 2016: Invited Speaker – *Paleofest: Celebrating Women in Paleontology* (Rockford, Illinois).
- November 4, 2015: “*Combining Family and Research*” Invited Seminar for WISTEM Graduate Student Association, Eduardo’s (Dekalb, Illinois).
- October 28, 2015: “*Fossils, fieldwork, and forests: Combining research, people, and outreach in Madagascar*” Invited Speaker, Phi Sigma Seminar Series, Northern Illinois University, Dekalb, IL, USA.

August 20, 2015: "*Elucidating the origin and evolution of Madagascar's modern fauna*" (tenure & promotion seminar), Department of Biological Sciences, Northern Illinois University, Dekalb, IL USA.

May 1, 2015: Invited seminar, Duke Lemur Center, Duke University, Durham, NC, USA.

May 21, 2014: "*First glimpse into the gap: New insights into the origin and evolution of Madagascar's modern fauna*" Invited Seminar (A. Watson Armour Seminar speaker) Field Museum of Natural History, Chicago, IL, USA.

April 3, 2014: "*Fossils, fieldwork, and family: Musings of a female paleontologist*" Invited Seminar Women in Stem Fest, Waubensee Community College, Sugar Grove, IL, USA.

March 8, 2014: "*New vertebrate fossils from the Cenozoic of Madagascar*" Invited Speaker, Paleofest, Burpee Museum, Rockford, IL, USA.

January 17, 2014: "*SADABE: Combining research, conservation and development in rural Madagascar*" Invited Seminar, Carolina Friends School, Durham, NC, USA.

December 6, 2013: "*First glimpse into the gap: New insights into the origin and evolution of Madagascar's modern fauna*" Invited Seminar, Michigan State University, Department of Geology, East Lansing, MI, USA.

November 20, 2013: "*Mysteries of Madagascar*" Whole school assembly, North Elementary School, Sycamore, IL USA.

October 27, 2013: "*Madagascar: Researching the mystery behind its modern fauna*" Fall lecture series invited seminar speaker, Burpee Museum of Natural History, Rockford, IL, USA.

October 8, 2013: "*The origins and evolution of Madagascar's modern vertebrates*" LLI Notable brown bag invited seminar speaker, Northern Illinois University, Dekalb, IL, USA.

September 27, 2013: "*Waifs and relicts: Deciphering the biogeographic history of Madagascar's extant vertebrates*" Invited Speaker, Department of Geology and Environmental Geosciences Colloquium, Northern Illinois University, Dekalb, IL, USA.

September 13, 2013: "*Waifs and relicts: Deciphering the biogeographic history of Madagascar's extant vertebrates*" Invited Speaker, Earth Science Club of Northern Illinois, College of DuPage, Glen Ellyn, IL USA.

March 5, 2013: "*Waifs and relicts: The origin and evolution of Madagascar's modern fauna and the role of transoceanic dispersal*" Invited speaker, National Geographic Headquarters, Washington DC, USA.

December 3, 2012: "*Madagascar: A naturalist's paradise, past and present*" Invited Guest Lecturer, BIOS 103, Northern Illinois University, Dekalb, IL, USA.

November 30, 2012: "*Ecology, evolution & outreach in rural Madagascar: From sifakas to seacows*" Invited Seminar, Institute for the Study of the Environment, Sustainability and Energy, Northern Illinois University, DeKalb, IL, USA.

November 29, 2012: "*Waifs and relicts: The origin and evolution of Madagascar's modern fauna and the role of transoceanic dispersal*" Invited Speaker, University of Chicago, Evolutionary Morphology Seminar Series, Chicago, IL, USA.

November 28, 2012: "*Winds, waves and wings: Deciphering the colonization patterns of Madagascar's vertebrates*" Invited Speaker, Sigma Xi, Brown Bag Seminar Series, Northern Illinois University, Dekalb, IL, USA.

October 25, 2012: "*Fossils, fieldwork, and forests: Combining research, people, and outreach in Madagascar*" Invited Speaker, Phi Sigma Seminar Series, Northern Illinois University, Dekalb, IL, USA.

March 13, 2012: "*Madagascar*" School Presentation, Indooroopilly State School, Indooroopilly, Queensland, Australia.

March 23, 2012: “*Madagascar*” School Presentation, Jamboree Heights State School, Jamboree Heights, Queensland, Australia.

May 11, 2011: “*Lemurs, people, and landscapes: Combining research, conservation and development in rural Madagascar*” Invited Speaker, Rotary Club, Nundah, Queensland, Australia.

May 10, 2011: “*Lemurs and landscapes: Combining research, conservation and development in rural Madagascar*” Invited Speaker, Women’s College, University of Queensland, Australia.

March 31, 2006: “*First glimpse into the gap: The origin and evolution of Madagascar’s modern vertebrates*” Invited Speaker, University of Massachusetts, Graduate Program in Organismic and Evolutionary Biology, Spring Seminar Series, Amherst, MA, USA.

June 2, 2004: “*The origin and evolution of Madagascar’s bats*” Invited Speaker, Research Science Symposium, Weldon E. Howitt Middle School, Farmingdale, NY, USA.

April 21, 2004: “*Birds of Madagascar*” Invited Speaker, Four Harbors Audubon Society, Smithtown, NY, USA.

May 8, 2003: “*Madagascar*” Invited Speaker, Girl Scouts of America, Smithtown, NY, USA.

Service

2022-present Member of *Governance Committee*, Department of Biological Sciences, Northern Illinois University

2021-present Chair of *Diversity, Equity and Inclusion Committee*, Department of Biological Sciences, Northern Illinois University

2020-2021 Member of *Diversity, Equity and Inclusion Committee*, Department of Biological Sciences, Northern Illinois University

2020-2021 Chair of *Graduate Committee*, Department of Biological Sciences, Northern Illinois University

2019-2021 Co-chair of *NIU Research and Innovation Advisory Council (RIAC)* taskforce on “Work Life Balance”

2018-2022 Member of *Ad hoc Curriculum Committee*, Department of Biological Sciences, Northern Illinois University

2018-2020 Member of *Graduate Committee*, Department of Biological Sciences, Northern Illinois University

2016-2018 Member of *Governance Committee*, Department of Biological Sciences, Northern Illinois University

2016-2020 Member of the *NIU Salary Study Task Force*

2016-2020 Member of the *NIU Research and Innovation Advisory Council (RIAC)*; co-chair of taskforce on “Travel Support Requirements”

2015 College of Liberal Arts & Sciences representative for the *Committee for Outstanding International Educator*.

2015 Member of the *Internationalization Task Force*, Northern Illinois University

2015 Member of *NIU Engagement in Africa*

2015-2016 *President* (Sigma Xi, NIU Chapter)

2015 Hosted seminar speaker for the Department of Biological Sciences (NIU) and PI Academy mentor - Dr. John Flynn (*American Museum of Natural History, New York*).

2014-2015 *Vice President* (Sigma Xi, NIU Chapter)

2014 Participated in “*Meet the Professor*,” STEM house, Northern Illinois University (April 3, 2014).

- 2014 Hosted two seminar speakers for the Department of Biological Sciences (NIU) - Dr. Mike d'Emic (*Stony Brook University*), Dr. Chris Noto (*University of Wisconsin, Parkside*).
- 2014 Judge for the annual *NIU Research & Artistry Day* (April 22, 2014)
- 2013-present *Academic Editor, PLOS ONE*
- 2013-present *Grant Reviewer, National Geographic, Research & Exploration*
- 2013-2016 Member of the NIU *President's Commission on the Status of Women*
- 2013 *Secretary* (Sigma Xi, NIU Chapter)
- 2013 Hosted 3 seminar speakers for the Department of Biological Sciences (NIU) - *Dr. Abigail Derby* (Field Museum of Natural History), *Dr. Laurie Godfrey* (Department of Anthropology, University of Massachusetts; co-hosted with Dr. Mitchell Irwin), and *Dr. Dan Gebo* (Department of Anthropology, Northern Illinois University).
- 2013-present: Grant reviewer (American Philosophical Society, National Geographic)
- 2011 Green Officer for University of Queensland (Australia)
- 2009-2010: Collections Committee, Redpath Museum, McGill University.
- 2009: Reviewer for Standard Life Dissertation Fellowship and Kenneth Downes Graduate Award (School of Medicine), McGill University
- 2006: Invited panelist for the 2006 Women in the Society of Vertebrate Paleontology luncheon.
- 2005-present: Peer Reviewer: *Journals: American Museum Novitates, Fossil Record, Geosciences, Quaternary Science, Journal of Mammalogy, Mammalia, Paleontology, PLoS One, Journal of Vertebrate Paleontology.*
- 2004-2005: Invited participant in the Society of Vertebrate Paleontology student exchange. Forum topic: "*How to start your own field project.*"

References

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