CURRICULUM VITAE OCTOBER 2015

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ACADEMIC DEGREES

2014	Ph.D.	Evolutionary Biology	University of Chicago, Chicago, IL.	
2010	M.S.	Evolutionary Biology	University of Chicago.	
2008	M.A.	Biology	Occidental College, Los Angeles, CA.	(Cal Tech courses)
2006	B.A.	Biology	Occidental College.	(UK exchange, 2004)

RESEARCH EXPERIENCE

2015-. *Postdoctoral Associate*, Yale University, Ecology & Evol Biology, lab of Walter Jetz:

- Investigating trait evolution and geographic diversification in tetrapods as part of the NSF-funded VertLife Terrestrial project; with a main focus on Mammalia.
- Tasks include the construction and analysis of large phylogenies, bioinformatics on next-gen sequence data, and project management for this multi-institution effort.
- 2014-. Research Associate, Field Museum of Natural History, Integr Research Cent (Mammals):
 - Working with Dr. Bruce Patterson on the biogeography of Neotropical mammals.
- 2014-2015. Postdoctoral Fellow, McMaster Univ, Dept of Biology, lab of Ben Evans, Brian Golding:
 - Research on the evolutionary genomics of polyploidy in mammals.
 - Initiated a project on genome expansion in the largest mammalian genome—the desert vizcacha rats of Argentina; tasks included fieldwork, grant writing, and data analysis.
- 2008-2014. Doctoral student, University of Chicago, Committee on Evolutionary Biology:
 - Advisor: Bruce D. Patterson, MacArthur Curator of Mammals, Field Museum.
 - Thesis: Ecological diversification and biogeography in the Neogene: Evolution of a major lineage of American and Caribbean rodents (Caviomorpha, Octodontoidea).
- 2008-2014. Resident Graduate Student, Department of Zoology, Field Museum of Natural History:
 - Collaborative researcher in the mammal collections (220,000+ specimens).
 - Projects doing geometric morphometrics, DNA sequencing, analysis of phylogenies and macroevolutionary processes, and outreach to local primary school students.
- 2006-2008. Master's student, Occidental College, Biology Department:
 - Advisor: John C. Hafner, Professor of Biology and Curator of Birds & Mammals.
 - Thesis: Rodent activity in relation to moonlight in sandy and open habitats of the Great Basin Desert.
- 2006-2008. Curatorial Associate, Moore Laboratory of Zoology, Occidental College:
 - Responsible for care and maintenance of 65,000+ bird and mammal specimens.
 - Managed specimen loans, curatorial employees, and the molecular systematics lab.
- 2004-2006. Summer Researcher (for stipend), Biology Department, Occidental College.
- 2003-2006. *Undergraduate Researcher* (for course credit), Biology Department, Occidental College:
 - Advisor: John C. Hafner, Professor of Biology and Curator of Birds & Mammals.
 - Thesis: Phylogeography of the dark kangaroo mouse, Microdipodops megacephalus.

PUBLICATIONS

PEER-REVIEWED ARTICLES (https://www.researchgate.net/profile/Nathan Upham/publications)

2015. **Upham, N. S.** and Patterson, B.D. Evolution of caviomorph rodents: a complete phylogeny and timetree for living genera. Pp. 63-120 In: *Biology of caviomorph rodents: diversity and evolution* (A.I. Vassallo and D. Antenucci, eds.). SAREM Series A, Buenos Aires, Argentina.

- 2015. D'Elía, G., Teta, P., **Upham, N. S.**, Patterson, B. D., and Pardiñas, U. F. J. Description of a new soft-haired mouse, genus *Abrothrix* (Sigmodontinae), from the temperate Valdivian rainforest. *Journal of Mammalogy* **96**: 839-853.
- 2014. Patterson, B. D. and **Upham, N. S**. A newly recognized family of mammals from the Horn of Africa, the Heterocephalidae (Rodentia: Ctenohystrica). *Zoological Journal of the Linnean Society* **172**: 942-963.
- 2014. Patterson, B. D. and **Upham, N. S**. A study in contrasts: two extensive Neotropical radiations. *Frontiers in Ecology and Evolution* **2**: 44.
- 2013. **Upham, N. S.**, R. Ojala-Barbour, J. Brito, P. M. Velazco and B. D. Patterson. Transitions between Andean and Amazonian centers of endemism in the radiation of some arboreal rodents. *BMC Evolutionary Biology* **13**:191. Highly accessed article.
- 2013. **Upham**, **N. S.**, and J. C. Hafner. Do nocturnal rodents in the Great Basin Desert avoid moonlight? *Journal of Mammalogy*. **94**: 59-72.
- 2012. **Upham, N. S.** and B. D. Patterson. Diversification and biogeography of the Neotropical caviomorph lineage Octodontoidea (Rodentia: Hystricognathi). *Molecular Phylogenetics and Evolution* **63**: 417-429.
- 2012. Light, J. E., Hafner, J. C., **Upham, N. S.**, and Reddington, E. Conservation genetics of kangaroo mice, genus *Microdipodops. Journal of Mammalian Evolution* **20**: 129-146.
- 2011. Hafner, J. C., and **N. S. Upham**. Phylogeography of the dark kangaroo mouse, *Microdipodops megacephalus*: cryptic lineages and dispersal routes in North America's Great Basin. *Journal of Biogeography* **38**: 1077-1097.
- 2008. Hafner, J. C., **N. S. Upham**, E. Reddington, and C. W. Torres. Phylogeography of the pallid kangaroo mouse, *Microdipodops pallidus*: a sand-obligate endemic of the Great Basin, western North America. *Journal of Biogeography* **35**: 2102-2118.

NON-REFEREED PUBLICATIONS

2014. **Upham, N. S.** At the edge of what we know. *The Human Geographic*, issue 1 (online multi-media magazine, popular article on vizcacha rat fieldwork in Argentina): http://www.thehumangeographic.com/vizcacha-rat/.

THESES

- 2014. Upham, N. S. Ecological diversification and biogeography in the Neogene: Evolution of a major lineage of American and Caribbean rodents (Caviomorpha, Octodontoidea). Unpubl. Ph.D. dissertation, University of Chicago, xvi + 272 pp. http://gradworks.umi.com/36/15/3615686.html. Abstract published in Mastozoología Neotropical 21: 193-194.
- 2008. **Upham, N. S.** Rodent activity in relation to moonlight in sandy and open habitats of the Great Basin Desert. Unpubl. M.A. thesis, Occidental College, viii + 65 pp.

MANUSCRIPTS IN REVISION

- **Upham, N. S.** and Patterson, B. D. Testing for adaptively radiating clades in a major lineage of rodents. *Evolution*.
- **Upham, N. S.** and Borroto-Páez, R. Conservation genetics of Caribbean hutias (Rodentia, Capromyidae). *Journal of Mammalogy* (invited, Special Feature).

FELLOWSHIPS AWARDED

- 2012. Field Museum of Natural History, Lester Armour Grad Fellow, \$26,000 stipend/yr (2012-2013).
- 2009. **U.S. Department of Education**, GAANN Training Grant in Evolutionary Environmental Biology, \$30,000 stipend/yr (2009-2011), P200A090336.
- 2004. Howard Hughes Medical Institute, Undergrad Summer Fellow, \$200 project, \$4150 stipend.
- 2002. Occidental College, President's Scholarship, \$50,000 for tuition (2002-2006).

RESEARCH GRANTS

- 2014. **Royal Ontario Museum**, Schad Conservation Grant, "Integrating ecological and economic tools for sustainable conservation: Mammals as indicators of ecosystem and societal health in the Dominican Republic" (co-author with Burton Lim as PI), \$30,000 (2014-2015).
- 2011. **National Science Foundation**, Doctoral Dissertation Improvement Grant (DDIG), "DISSERTATION RESEARCH Fossils and phylogeny: investigating the timing of diversification in a diverse lineage of Neotropical rodents (Caviomorpha: Octodontoidea)" (co-PI with Bruce Patterson as PI/PD), \$15,000 (2011-2013), DEB-1110805.
- 2011. **University of Chicago**, Hinds Fund (Committee on Evolutionary Biology), "Time, species, and morphology: investigating the diversification of a diverse lineage of Neotropical rodents (Caviomorpha: Octodontoidea)," \$1000.
- 2003. Occidental College, Academic Student Projects Research Grant, \$300 project.
- 2010. American Society of Mammalogists, Grant-in-Aid of Research, "Diversification of the South American rodent superfamily Octodontoidea: enhancing temporal and phylogenetic resolution with a complete suite of genera," \$1290.
- 2009. Field Museum of Natural History, Pritzker Laboratory, "Timetree of Neotropic rodents," \$2000.
- 2005. **Norris Foundation,** Norris Scholars Fellowship, "Molecular phylogenetics of the dark kangaroo mouse, *Microdipodops megacephalus*," \$3000 project, \$8000 stipend.
- 2004. Howard Hughes Medical Institute, Undergraduate Research Grant, \$500 project, \$600 stipend.

HONORS AND AWARDS

- 2014. American Society of Mammalogists, elected to Board of Directors (three-year term).
- 2012. **American Society of Mammalogists**, A. Brazier Howell Graduate Student Honorarium for "Diversification and biogeography of a major lineage of Neotropical rodents (Caviomorpha: Octodontoidea)" (including plenary session invited talk).
- 2006. **American Society of Mammalogists**, Undergraduate Student Research Honoraria for "Phylogeography of the dark kangaroo mouse, *Microdipodops megacephalus*".
- 2006. Occidental College, graduated magna cum laude in Biology.
- 2005. Occidental College, Kurata Student Award for Outstanding Senior in Biology.

TRAVEL AWARDS

- 2014. American Society of Mammalogists, Student Travel Fellowship.
- 2010. American Society of Mammalogists, Student Travel Fellowship.
- 2007-8. Occidental College, Graduate Student Travel Awards.

TEACHING EXPERIENCE

PRIMARY INSTRUCTOR

- 2014. Sessional Faculty, McMaster University, Department of Biology, Autumn semester:
 - Gave 36 lectures (1-hr each) and designed exams for "Biodiversity, Evolution & Humanity," an introductory majors course of 700 students that I co-taught with Ben Bolker.

TEACHING ASSISTANT

- 2012. University of Chicago: "Ecology & Evolution in the Southwest" (Spring quarter).
 - Led a discussion group of 20 students on topics in desert ecology.
 - Included supervision and training during a four-week fieldtrip to the SW USA deserts.
- 2011. University of Chicago: "Biogeography" (Winter quarter).
 - Gave a guest lecture; led a laboratory section of 8 students on spatial modeling of species ranges.
- 2010. University of Chicago: "Insect Ecology & Evolution" (Fall quarter).
 - Gave a guest lecture and graded exams for the lecture section.

- 2009. *Teaching Assistant Training Course*, Division of Biological Sciences, University of Chicago (Fall quarter). Pedagogy course providing practical skills for lecturing and styles of teaching.
- 2009. University of Chicago: "Mammalian Ecology" (Spring quarter).
 - Led a laboratory section of 20 students in identifying mammalian skull features.
- 2007. Occidental College: "Evolutionary Biology" (Fall semester).
 - Led review sessions for lecture topics, graded exams, and assisted with final projects.
- 2005. Occidental College: "Evolutionary Biology" (Fall semester).
 - Graded exams and led after-class review sessions.

OTHER TEACHING

- 2012. Program Facilitator, Project Exploration education non-profit in Chicago Public Schools.
 - Led weekly "Brothers4Science" program, 6th-8th graders at Ariel Community Acad (Chicago).
- 2010. Workshop leader, Northwestern University, SERTS teaching program (2 weeks).
 - Led 4 undergraduate students in projects related to museum science and mammal conservation.
- 2007. Lab instructor and lecturer, Occidental College, High School Summer Oceanology Program.
- 2006. Lab instructor and lecturer, Occidental College, High School Summer Oceanology Program.

MENTORING AND SCIENCE OUTREACH EXPERIENCE

Undergraduate Students

- 2012. Loyola University student at the Field Museum Pritzker Laboratory.
 - Mentored summer and honors research on molecular techniques for bat phylogenetics project.
- 2012. Cornell University student at the Field Museum Division of Mammals.
 - Mentored summer research project on rodent geometric morphometrics and feeding ecology.
- 2011. University of Wisconsin Madison student at the Field Museum Division of Mammals.
 - Mentored summer project on rodent life-history traits and evolution.
- 2006-7. Occidental College student at the Moore Laboratory of Zoology.
 - Mentored summer and honors research on the molecular phylogenetics of kangaroo mice.

K-12 STUDENTS

- 2014-15. Weekly tutor, Empowerment Squared program for Liberian immigrants (Hamilton, Canada).
- 2013-14. Weekly tutor, Reading Buddies and Homework Help programs, Hamilton Public Library.
- 2012-15. My research on digital touch-screen. Field Museum's DNA Discovery Center exhibit (Chicago).
- 2012-13. Led "Talk to the Scientist Hour" programs, Field Museum's Pritzker Laboratory (Chicago).
- 2012. Presented on comparative vertebrate anatomy to 8-12th graders, Project Exploration's Junior Paleontologists summer course (Chicago).
- 2012. Discussed science careers with 7th grade class, Young Women's Leadership School (Chicago).
- 2011. Presented on mammal biology to 8-12th graders, Project Exploration's All Girls Expedition summer course (Chicago).
- 2010-12. Presented mammal specimens to 7-8th graders, Project Exploration's Sisters4Science (Chicago).
- 2010. Weekly tutoring in 8th grade geometry, Canter Middle School (Chicago).

PROFESSIONAL SERVICE

CURRENT POSITIONS

- 2014-. Elected Member, Board of Directors, American Society of Mammalogists (three-year term).
- 2015-. Member, IUCN Small Mammal Specialist Group, South America Team.

SOCIETY MEMBERSHIPS AND SERVICE

American Society of Mammalogists, ASM (2005-present)

Board of Directors (2014-present; 3-year term)

Conservation Committee (2012-present)

Systematic Collections Committee (2011-present)

American Society of Naturalists (2013-present)

Canadian Society for Ecology and Evolution (2014-2015)

European Society for Evolutionary Biology (2013)

Sociedad Argentina para el Estudio de los Mamíferos, SAREM (2012-2014)

Sociedade Brasileira de Mastozoologia, SBMz (2012-2013)

Society for Conservation Biology, SCB (2012)

Society of Systematic Biologists, SSB (2009-2011, 2013)

American Association for the Advancement of Science, AAAS (2006-2010)

Symposia Organized

- 2015. Co-organizer of the featured symposium "The Last Remaining Caribbean Mammals: Conservation Priorities and the Historical Context of Extinctions in an Island Biodiversity Hotspot" at the American Society of Mammalogists, 95th Annual Meeting; Jacksonville, FL.
 - Two, two-hour sessions including eight invited speakers from five countries.
 - Talks will be published in an upcoming Special Feature in the Journal of Mammalogy.

2009. Organizing committee, Darwin / Chicago Symposium, University of Chicago.

OTHER SERVICE

Manuscript referee for American Midland Naturalist (2012), BMC Evolutionary Biology (2014 [x2]), Ethology, Ecology & Evolution (2014), Journal of Biogeography (2014), Journal of Mammalian Evolution (2013), Journal of Mammalogy (2013, 2014 [x3], 2015), Journal of Zoology (2012), Molecular Phylogenetics and Evolution (2014 [x2]), PLoS One (2013), and Zootaxa (2012, 2015)

FIELDWORK, LABWORK, AND MUSEUM EXPERIENCE

FIELD COLLECTING AND COURSES

- Argentina (2 trips, 1 months): Collecting octodontid rodents for a project on the genomics of mammalian tetraploidy. Provinces of Mendoza and San Juan (2014—0.5 month; 2015—0.5 month)
- Costa Rica (2 trips, 1.5 months): Participant in an NSF-sponsored (Pan-American Advanced Studies Institute) graduate course through the Organization for Tropical Studies. La Selva (2009—0.5 month; 2010—0.25 month); Monteverde (2009—0.25 month); Palo Verde (2009—0.25 month); Las Cruces (2009—0.25 month)
- Dominican Republic (1 trip, 0.75 months): Surveying endemic bats and small mammals (hutias, solenodon) for a project on biodiversity patterns and tourism sustainability. Provinces of La Vega, Sánchez Ramirez, Monte Plata, El Seibo, and La Altagracia (2015).
- Chihuahuan and Sonoran Deserts, USA (1 trip, 1 month): Teaching assistant on the University of Chicago's Desert Ecology Field School (2011)
- Great Basin Desert, USA (12 trips, 3 months): Collected rodents at ~25 localities for multiple projects. Nevada (2003—0.25 month; 2004—1 month; 2005—0.5 month; 2006—0.5 month); Oregon (2004—0.5 month); California (2005—0.25 month)
- Yosemite and the eastern Sierra Nevada, USA (1 trip, 0.5 month): Teaching assistant on Occidental College's California Environment Semester (2007)

MOLECULAR GENETICS LABS

- 2012-2013. McMaster University, Ancient DNA Centre (Hamilton, Canada): Performed clean-room DNA extractions and sequencing of nDNA and mtDNA from dried tissues (museum specimens).
- 2012. Universidade Federal do Espírito Santo, Laboratório de Mastozoologia e Biogeografia (Vitória, Brazil): PCR and DNA sequencing of rodent specimens from Brazil.
- 2012. Royal Ontario Museum, Laboratory for Molecular Systematics (Toronto, Canada): DNA sequenced imported tissues of Caribbean rodents.
- 2010–2012. Field Museum of Natural History, Pritzker Laboratory for Molecular Systematics and

- Evolution (Chicago, USA): Resident Ph.D. student; researched the molecular phylogeny and diversification of caviomorph rodents using DNA from fresh and dried tissues.
- 2003–2007. Occidental College, Moore Laboratory of Zoology (Los Angeles, USA): Undergraduate student (8 semesters, 3 summers) and Master's student; researched the molecular systematics and phylogeography of kangaroo mice using PCR and DNA sequencing.

MUSEUM COLLECTIONS WORK

Argentina: Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" (Buenos Aires—2011,
 2012); Museo de Ciencias Naturales de La Plata (La Plata—2011); Museo Municipal de Ciencias Naturales "Lorenzo Scaglia" (Mar del Plata—2011); Museo Paleontologico Edigio Feruglio (Trelew—2011); Instituto Argentino de Investigaciones de Zonas Áridas (Mendoza—2015)

Brazil: Museu Zoologia de Universidade de São Paulo (São Paulo—2012); Museu Nacional (Rio de Janeiro—2012)

Canada: Royal Ontario Museum (Toronto—2012)

USA: Field Museum of Natural History (Chicago—2009-2014); Florida Museum of Natural History (Gainesville—2012); Moore Laboratory of Zoology (Los Angeles—2006-2008); University of California Museum of Vertebrate Zoology (Berkeley—2012); University of California Museum of Paleontology (Berkeley—2012)

TRAINED SKILLS

LANGUAGES

- Spanish proficient written and spoken
- Computer programing proficient in R and Bash-shell scripting, some experience with Python and relational databases (psql)

FIELDWORK

- Specimen sampling and collecting mammal live-trapping and museum specimen preparation
- Navigation Driving manual transmission and four-wheel drive vehicles; orienteering with map and compass; use of GPS devices
- Medical and risk certified as Wilderness First Responder and in First-Aid (valid to Mar 2017)

RESEARCH METHODS

- Statistical phylogenetics software e.g., BEAST, RAxML, MrBayes, Geneious, Mesquite
- Spatial analysis software ArcGIS, R, GrassGIS
- Molecular genetics fluent in methodologies for ancient DNA and modern DNA extraction, PCR amplification, Sanger DNA sequencing, bioinformatics for next-gen (Illumina) sequencing data

TRAINING COURSES AND WORKSHOPS ATTENDED

- 2015. *Wilderness First Responder*, National Outdoor Leadership School, Flagstaff, AZ: 10-day course including WFR and First-Aid certification (valid to Mar 2017).
- 2012. Orienting with GPS, Map and Compass, University of California at Berkeley.
- 2012. Best Practices in Species Distribution Modeling in Conservation, University of California at Berkeley.
- 2012. *Genotype-by-sequencing workshop*, Field Museum of Natural History: one week of lectures and training in next-gen sequencing methods and analysis.
- 2009. Estimating Species Trees Workshop, University of Michigan.

PRESENTATIONS

INVITED LECTURES

2015. Yale University, Jetz Laboratory. *Testing for adaptive radiation and ecological constraint in a major lineage of rodents*.

- 2015. McMaster University, Evans / Golding Laboratory. Genome expansion in the vizcacha rats of Argentina: Mechanisms and consequences in the largest mammalian genome.
- 2014. McMaster University, Ecology, Evolution, & Behavior series. *Arid adaptation and the largest mammalian genome: investigating the ploidy, ecology, and physiology of Argentine vizcacha rats.*
- 2014. Instituto Argentino de Investigaciones de Zonas Aridas (IADIZA), Mendoza-CONICET (delivered in English with Spanish slides). *Pruebas para la radiación adaptativa y limitaciones ecológicas en un linaje principal de roedores*.
- 2014. McMaster University, Evans / Golding Laboratory. *Ecological diversification and biogeography of a major clade of American and Caribbean rodents*.
- 2013. University of Chicago, CEB / GAANN Retreat. Old rats from the Neotropics: using ancient DNA and fossils to study the evolutionary diversification of a major rodent lineage.
- 2012. Universidade Federal do Espirítu Santo, Departamento de Ciências Biológicas, Vitória, Brasil (delivered in English with Portugese slides). Diversificação molecular e morfológica de Neotropical roedor linhagem maior (Caviomorpha: Octodontoidea).
- 2012. Pritzker Laboratory for Molecular Systematics and Evolution. *Rats from the Neotropics: insights from DNA and mandibles*.
- 2012. University of Chicago, CEB / GAANN Retreat. Diversification of a major lineage of Neotropical rodents (Caviomorpha, Octodontoidea): insights from fossil mandibles and DNA.
- 2011. University of Chicago, CEB / GAANN Retreat. Fossils and phylogeny: Investigating diversification patterns in a diverse lineage of New World rodents (Caviomorpha: Octodontoidea).
- 2011. University of Chicago, GeoUnion (undergraduate science club). Rats!: Explorations in the evolution of New World rodents.
- 2010. University of Chicago, CEB / GAANN Retreat. Evolution of the New World rodent superfamily Octodontoidea: using multiple genes and fossils to understand a Miocene radiation.
- 2010. University of Chicago, Public and Private Lives of Insects (undergraduate course taught by Eric Larsen). *Insect-mammal coevolution: using phylogeny to find shared patterns in the tree of life.*
- 2009. University of Chicago, Mammalian Ecology (undergraduate course taught by Eric Larsen).

 Phylogenetics and phylogeography: evolutionary tree construction and applications for mammal biogeography.
- 2009. University of Chicago, Animal Behavior Brownbag Seminar Series. *Moonlight avoidance by bipedal, but not quadrupedal, desert rodents in sandy and open habitats of the Great Basin.*
- 2009. University of Chicago, Biogeography (undergraduate course taught by Bruce Patterson). *Phylogeography: the uses of phylogeny in reconstructing historical biogeography.*

TO PROFESSIONAL MEETINGS (WITH PUBLISHED ABSTRACTS)

- 2015. American Society of Mammalogists, 95th Annual Meeting; Jacksonville, FL (oral). *Endangered Cuban hutias: Population genetics and biogeography in the context of an evolutionary radiation* (with co-author R. Borroto-Páez). Part of the symposium "The Last Remaining Caribbean Mammals" that I co-organized.
- 2015. Society of Systematic Biologists standalone meeting, Ann Arbor, MI (4-min oral). *Testing for adaptively radiating clades*.
- 2014. American Society of Mammalogists, 94th Annual Meeting; Oklahoma City, OK (oral). *Testing for adaptive radiation and ecological constraint in a major lineage of rodents (Caviomorpha, Ctenohystrica)* (with co-author B. D. Patterson).
- 2014. Genomes to Biomes, 1st Joint Conference of the Canadian Societies CSEE, CSZ, and SCL; Montreal, QC (oral). *Testing for adaptive radiation and ecological constraint in a major lineage of rodents (Caviomorpha, Ctenohystrica)* (with co-author B. Evans and B. D. Patterson).
- 2013. Evolution Annual Meetings; Snowbird, UT (oral). *Andes-Amazon diversification in a diverse lineage of tropical rodents: integrating DNA sequences, fossils, and species traits* (with co-author B. D. Patterson).

- 2012. II Congreso Latinoamericano de Mastozoología; Buenos Aires, Argentina (oral). Invited participant in the symposium "Biología de los roedores Caviomorfos: diversidad y evolución" (delivered in English with Spanish slides). *Diversificación molecular y morfológica de un linaje mayor de roedores neotropicales (Caviomorpha: Octodontoidea)* (with co-author B. D. Patterson).
- 2012. Society for Conservation Biology, 1st North America Congress; Oakland, CA (poster). Biogeography and conservation of Cuba's endemic non-flying mammals (with co-author R. Borroto-Páez).
- 2012. American Society of Mammalogists, 92nd Annual Meeting; Reno, NV (oral). Invited participant in the opening plenary session. *Diversification of a major lineage of Neotropical rodents* (Caviomorpha, Octodontoidea): insights from DNA sequences and fossil mandibles.
- 2011. IV Congreso Latinoamericano Paleontologia de Vertebrados, San Juan, Argentina (oral). Invited participant in the symposium "Origines y Evolucion del Neotropico Sudamericano." *Molecular phylogeny, divergence timing, and biogeography of the Neotropical caviomorph lineage Octodontoidea (Rodentia: Hystricognathi)* (with co-author B. D. Patterson).
- 2011. American Society of Mammalogists, 91st Annual Meeting; Portland, OR (poster). *A preliminary analysis of divergence timing and historical biogeography in the Neotropical caviomorph lineage Octodontoidea (Rodentia: Hystricognathi)* (with co-author B. D. Patterson).
- 2010. American Society of Mammalogists, 90th Annual Meeting; Laramie, WY (oral). *Evolution of the New World rodent superfamily Octodontoidea: preliminary patterns using multiple genes and fossils* (with co-author B. D. Patterson).
- 2009. 10th International Mammalogical Congress; Mendoza, Argentina (poster). *Moonlight avoidance by bipedal, but not quadrupedal, rodents in sandy and open habitats of the Great Basin Desert, U.S.* (with co-author J. C. Hafner).
- 2007. American Society of Mammalogists, 87th Annual Meeting; Albuquerque, NM (oral). *Rodent activity in response to lunar illumination in sandy habitats of the Great Basin Desert* (with coauthor J. C. Hafner).
- 2006. American Society of Mammalogists, 86th Annual Meeting; Amherst, MA (oral). *Phylogeography of the dark kangaroo mouse, Microdipodops megacephalus* (with co-author J. C. Hafner).
- 2005. American Society of Mammalogists, 85th Annual Meeting; Springfield, MO (oral). *Molecular phylogenetics of the dark kangaroo mouse*, *Microdipodops megacephalus* (with J. C. Hafner).

REFERENCE CONTACTS

Bruce D. Patterson (<u>bpatterson@fieldmuseum.org</u>; Ph.D advisor) MacArthur Curator of Mammals, Integrative Research Center Field Museum of Natural History 1400 S. Lake Shore Dr., Chicago IL 60605; tel. 312-665-7750

John C. Hafner (hafner@oxy.edu; M.A. advisor)

Emeritus Director, Curator of Birds & Mammals, and Emeritus Professor of Biology

Moore Laboratory of Zoology and Department of Biology

Occidental College, Los Angeles, CA

Current address: 105 Franklin Avenue, Fortuna, CA 95540

Ben J. Evans (evansb@mcmaster.ca; former post-doc advisor)

Associate Professor of Biology, Department of Biology

McMaster University

1280 Main Street West, Hamilton, Ontario L8S4K1 Canada; tel. 905-525-9140 x 26973

Trevor D. Price (<u>pricet@uchicago.edu</u>; Ph.D. committee member) Professor of Biology, Department of Ecology and Evolution University of Chicago 1101 E. 57th St., Chicago, IL 60637; tel. 773-702-5176

David Jablonski (djablons@uchicago.edu; Ph.D. committee member) William R. Kenan, Jr. Professor, Department of the Geophysical Sciences University of Chicago 5734 S. Ellis Ave. HGS 213, Chicago, IL 60637; tel. 773-702-8163

Richard H. Ree (rree@fieldmuseum.org; Ph.D. committee member) Curator of Botany, Department of Botany Field Museum of Natural History 1400 S. Lake Shore Dr., Chicago IL 60605; tel. 312-665-7857