

Nelson Ting – Curriculum Vitae

September 2009

Department of Anthropology
The University of Iowa
114 Macbride Hall
Iowa City, IA 52242
319-335-2891
nelson-ting@uiowa.edu

EDUCATIONAL AND PROFESSIONAL HISTORY

Higher education

- 2008 Ph.D., Anthropology, City University of New York (CUNY) Graduate Center
New York Consortium in Evolutionary Primatology (NYCEP)
Dissertation: Molecular Systematics of Red Colobus Monkeys (*Procolobus*
[*Piliocolobus*]): Understanding the Evolution of an Endangered Primate (Chair:
E. Delson)
- 2001 M.A., Anthropology, University of Missouri, Columbia
Thesis: A Functional Analysis of the Hip and Thigh of *Paracolobus chemeroni*
and *Paracolobus mutiwa* (Chair: C.V. Ward)
- 1999 B.A., Biology; Anthropology, Washington University, St. Louis

Professional and Academic Appointments

- 2009 – present Faculty, Interdisciplinary Graduate Program in Genetics, University of Iowa
Faculty, Environmental Sciences Program, University of Iowa
- 2008 – present Assistant Professor, Department of Anthropology, University of Iowa
Principal Investigator, Roy J. Carver Center for Comparative Genomics
- 2002 – 2008 Adjunct Lecturer, Department of Anthropology, Queens College, CUNY
- 2003 – 2004 Adjunct Lecturer, Department of Cell Biology and Anatomical Sciences
Sophie Davis School of Medicine (CUNY Medical School)
- 2002 Graduate Teaching Assistant, Center for Anatomy and Functional Morphology,
Mount Sinai School of Medicine
- 2000 – 2001 Graduate Teaching Assistant, Department of Anthropology
University of Missouri, Columbia
- 1999 – 2000 Graduate Teaching Assistant, Department of Biology
University of Missouri, Columbia

Professional Memberships

- 2009 – present American Association of Anthropological Genetics
- 2001 – present American Association of Physical Anthropology
- 2006 – present International Primatological Society

SCHOLARSHIP

Refereed Journal Articles

- In press Goldberg, T.L., D.M. Sintasath, C. A. Chapman, K.M. Cameron, W.B. Karesh, S. Tang, N.D. Wolfe, I.B. Rwego, N. Ting, W.M. Switzer. Co-infection of Ugandan red colobus (*Procolobus rufomitratus tephrosceles*) with novel, divergent Delta-, Lenti- and Spuma- retroviruses. *Journal of Virology*.
- In press Yu, L., X.-Y. Wang, W. Jin, P.-T. Luan, N. Ting, and Y.-P. Zhang. Adaptive evolution of digestive RNASE1 genes in leaf-eating monkeys revisited: New insights from 10 additional colobines. *Molecular Biology and Evolution*.
- 2008 Ting, N. Mitochondrial relationships and divergence dates of the African colobines: Evidence of Miocene origins for the living colobus monkeys. *Journal of Human Evolution*. 55: 312-325.
- 2008 Ting, N., A.J. Tosi, Y.-P. Zhang, Y. Li, T.R. Disotell. Phylogenetic incongruence between nuclear and mitochondrial markers in the Asian colobines and the evolution of the langurs and leaf monkeys. *Molecular Phylogenetics and Evolution*. 46: 466-474.
- 2008 Locatelli, S., B. Lafay, F. Liegeois, N. Ting, E. Delaporte, M. Peeters. Full molecular characterization of a simian immunodeficiency virus from Temminck's red colobus (*Piliocolobus badius temminckii*) from Abuko Nature Reserve, The Gambia: A species-specific virus distantly related to the L'Hoest lineage. *Virology*. 376: 90-100.
- 2006 Whittaker, D.J, N.Ting, and D.J. Melnick. Molecular phylogenetic affinities of the simakobu monkey (*Simias concolor*). *Molecular Phylogenetics and Evolution*. 39 (3): 887-892.

Non-Refereed Publications

- In press Ting, N. *Procolobus rufomitratus langi*. *Procolobus rufomitratus lulindicus*. *Procolobus rufomitratus oustaleti*. In N. Rowe (ed.) *All the World's Primates*. Pogonias Press, Charlestown, RI.
- 2008 Oates, J.F., T. Struhsaker, S. McGraw, A. Galat-Luong, and N. Ting. *Procolobus badius*. In: IUCN 2008. 2008 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- 2008 Galat-Luong, A., G. Galat, J.F. Oates, T. Struhsaker, S. McGraw, and N. Ting. *Procolobus badius ssp. temminckii*. In: IUCN 2008. 2008 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- 2008 Oates, J.F., T. Struhsaker, B. Morgan, J. Linder, and N. Ting. *Procolobus preussi*. In: IUCN 2008. 2008 IUCN Red List of Threatened Species. <www.iucnredlist.org>.

- 2008 Oates, J.F., T. Struhsaker, and N. Ting. *Procolobus pennantii*. In: IUCN 2008. 2008 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- 2008 Ting, N. Molecular Systematics of Red Colobus Monkeys (*Procolobus* [*Piliocolobus*]): Understanding the Evolution of an Endangered Primate. Ph.D. dissertation. City University of New York Graduate Center.
- 2001 Ting, N. A Functional Analysis of the Hip and Thigh of *Paracolobus chemeroni* and *Paracolobus mutiwa*. M.A. Thesis. University of Missouri-Columbia.

Refereed Abstracts

- In review Shekelle, M., R. Meier, I. Wahyu, Wirdateti, N. Ting. Molecular Phylogenetics and Chronometrics of Tarsiidae based on 12s mtDNA Haplotypes: Evidence for Miocene Origins, Numerous Diversifications within the Sulawesi Clade. *Am. J. Phys. Anthropol. Suppl.*
- 2009 Goldberg, T.L., D.M. Sintasath, C. A. Chapman, K.M. Cameron, W.B. Karesh, S. Tang, N.D. Wolfe, I.B. Rwego, N. Ting, W.M. Switzer. Broad Simian Retrovirus Diversity and Co-infection of Ugandan Red Colobus Monkeys (*Procolobus rufomitratu tephrosceles*) with Novel Delta-, Lenti- and Spuma- Retroviruses. Conference on Retroviruses and Opportunistic Infections.
- 2008 Ting, N. Extinction of critically endangered West African colobus monkeys will lead to a major loss in molecular diversity. *Am. J. Phys. Anthropol. Suppl.*
- 2007 Ting, N. Mitochondrial diversity of red colobus monkeys and the designation of conservation priorities for an endangered species group. ConGen3 – 3rd International Conservation Genetics Symposium.
- 2007 Ting, N. 2007. Mitochondrial data suggest Pliocene splits within extant African colobine lineages. *Am. J. Phys. Anthropol. Suppl.*
- 2006 Ting, N., E. Delson, J.F. Oates, and T.R. Disotell (2006). Molecular Systematics of Red Colobus Monkeys. *International Primatological Society Congress Abstracts (2006)*.
- 2006 Ting, N. A preliminary look at red colobus molecular systematics. Molecular Primatology: Progress and Promise Symposium. Center for the Study of Human Origins (CSHO), New York University.
- 2005 Frost, S.R., N. Ting, W.E.H. Harcourt-Smith, and E. Delson. Positional and locomotor behavior of *Paradolichopithecus arvernensis* as inferred from the functional morphology of the postcrania. *Am J. Primatology*. 66(S1)
- 2005 Ting, N., D.J. Whittaker, and D.J. Melnick. The phylogenetic position of the simakobu monkey (*Simias concolor*) based on mitochondrial DNA sequence data. *Am. J. Phys. Anthropol. Suppl.* 38: 206.

- 2004 Ting, N., W.E.H. Harcourt-Smith, S.R. Frost, and E. Delson. Description and analysis of postcranial elements of *Paradolichopithecus arvernensis*: A large-bodied papionin from the Plio-Pleistocene of Eurasia. *Am. J. Phys. Anthropol.* Suppl. 37.
- 2001 Ting, N. and C.V. Ward. Functional analysis of the hip and thigh of *Paracolobus* and other large-bodied fossil cercopithecids. *Am. J. Phys. Anthropol.* Suppl. 32: 150.

Invited presentations

- 2009 Ting, N. TBA. University of Calgary.
- 2009 Ting, N. Molecular Systematics of the Cercopithecoidea. (Penn State University, Revealing Hominid Origins Initiative).
- 2009 Ting, N. and K.N. Sterner. The molecular systematics of the Colobinae: Recent advances and future directions. Darwin's Legacy: Early Human Evolution in Africa (NYCEP paleoanthropology conference).
- 2009 Ting, N. Using evolution to guide conservation strategies in primates. (University of Iowa, Darwin Day).
- 2008 Ting, N. Molecular methods and the conservation of endangered primates: The case of the red colobus monkey (University of Iowa, Environmental Sciences Seminar).
- 2008 Ting, N. Elucidating evolutionary processes of the past and present: Implications for the conservation of endangered primate species (University of Iowa).
- 2005 Ting, N. The SeX Side: An X-Chromosomal Phylogeny of the Colobinae (Monkeys - Old and New, New York).
- 2005 Ting, N. Colobine Systematics: Recent Research and Revelations (Kunming Institute of Zoology, China).

Symposia organized

- 2009 Sterner, K.N., N. Ting, Y. Xing (co-organizers). Primate Functional Genomics. Society for Molecular Biology and Evolution Meetings.

Research Grants (external)

- 2005 National Science Foundation Doctoral Dissertation Improvement Grant, Molecular Systematics of Red Colobus Monkeys, \$8,500, PI: E. Delson, Co-PIs: N. Ting, T.R. Disotell, J.F. Oates.
- 2004 Primate Conservation Inc., Molecular Systematics of Red Colobus Monkeys, \$4,000, PI: N. Ting

Research Grants (internal)

- 2009 University of Iowa Biological Sciences Funding Program, Assessing the effects of human activity on wildlife populations: Genetic diversity, population structure, and demographic history of the Udzungwa monkeys, \$29,538, PI: N. Ting.
- 2009 University of Iowa Center for Research by Undergraduates (ICRU), Genetic Diversity in the Critically Endangered Pennant's Red Colobus Monkey, \$1,250, PI: N. Ting, Student: J. Carlton.
- 2009 University of Iowa Center for Research by Undergraduates (ICRU), Genetic Diversity in the Critically Endangered Black Colobus Monkey, \$1,250, PI: N. Ting, Student: L. Stulken.
- 2009 University of Iowa Old Gold Fellowship, Conservation genetics of the Udzungwa red colobus, \$6,000, PI: N. Ting.

Fellowships

- 2004 National Science Foundation East Asian and Pacific Studies Institute, Sex Chromosomal Phylogeny of the Colobinae, \$3,000 + full stipend, PI: N. Ting.
- 2001 Robert E. Gillece Fellowship, City University of New York Graduate Center, full stipend.

TEACHING AT THE UNIVERSITY OF IOWA

Ph.D. students supervised

<u>Name</u>	<u>Years</u>	<u>Role</u>	<u>Outcome</u>	<u>Institution</u>
Joshua Polanski	2009	Member	Ph.D.	UI Anthropology

M.A. students supervised

<u>Name</u>	<u>Years</u>	<u>Role</u>	<u>Outcome</u>	<u>Institution</u>
Jill Scott	2008-2009	Member	M.A.	UI Anthropology
Christina Nicholas	2008-2009	Member	M.A.	UI Anthropology

Undergraduate Honors students supervised

<u>Name</u>	<u>Years</u>	<u>Role</u>	<u>Outcome</u>	<u>Institution</u>
Jeffery Carlton	2008-present	Supervisor	Pending	UI Anthropology
Laura Stulken	2008-present	Supervisor	Pending	UI Anthropology

Courses taught

- 213:151 Anthropological Genetics (Sp09, Fa09)
213:152 Primate Conservation Biology (Sp09, Fa09)
113:013 Human Origins (Fa08)
113:149 Primate Comparative Morphology (Fa08)

SERVICE

Departmental

2009-2010 Departmental Search Committee
2009-2010 Website Committee (Chair)
2009-2010 Space and Equipment
2009-2010 Graduate Admissions Committee
2008-2009 Curriculum Committee
2008-2009 Space and Equipment Committee
2008-2009 Graduate Admissions Committee

University

2009 CLAS-IT search committee

Professional

2009 Organizing Committee, Society for Molecular Biology and Evolution Conference
2009 Scientific Committee, Society for Molecular Biology and Evolution Conference
2009 Cercopithecoidea Analytical Working Group of the Revealing Hominid Origins Initiative
2009 Student Prize Committee, American Association of Anthropological Genetics
2009 Reviewer, Primate Conservation (1 paper reviewed)
2008 Reviewer, American Journal of Primatology (1 paper reviewed)
2008 Assessor, IUCN Global Mammal assessment, IUCN Red List
2001-2008 Webmaster, New York Consortium in Evolutionary Primatology