

Connie D. Fellmann, Ph.D.
Adjunct Professor, Colorado State University

DEPARTMENT ADDRESS:

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Date of Birth: November 28, 1977

PROFESSIONAL APPOINTMENTS

2014- Present **Adjunct Professor**

Department of Anthropology, Colorado State University, Fort Collins, CO.

2011- 2012 **Assistant Professor**

Department of Biology & Toxicology, Ashland University, Ashland, Ohio.

2010 - 2011 **Postdoctoral Research Fellow**

Department of Anatomy & Neurobiology, Northeastern Ohio Medical University (NEOMED), Rootstown, OH.

EDUCATION

2011 **Ph.D. Anthropological Sciences**

New York University, New York, NY.

Dissertation: Limb Ontogeny, Function, and Locomotor Development in Catarrhines.

Advising Committee: Drs. Susan C. Antón, Terry Harrison, Anthony DiFiore, and Jesse Young.

2004 **M.A. Evolutionary Anthropology**

Rutgers, the State University of New Jersey, New Brunswick, NJ.

Thesis: Estimation of Stature in Hominins: A Test of Methods.

Advising Committee: Drs. Susan C. Antón, Susan Cachel, and Craig Feibel.

2000 **B.A. Anthropology**

University of Iowa, Iowa City, Iowa (Honors).

Senior Honors Thesis: On the Taxonomic Validity of *Homo erectus* and *Homo ergaster*.

Honors Advisor: Dr. Robert Franciscus.

2000 **B.A. Asian Language & Literature (Chinese)**

University of Iowa, Iowa City, Iowa.

1999 Summer Beijing Capital Normal University, Beijing, PRC. Language course.

1998 Summer Kenyatta University, Nairobi, Kenya. Geography course.

RESEARCH INTERESTS

Osteology, human evolution, evolution and development of Primates, limb and locomotor development, functional morphology/biomechanics, primate locomotor evolution, influence of environment on morphology and behavior.

TEACHING APPOINTMENTS

Colorado State University

2014 **Human Origins and Variation.**
 Human Evolution
 Human Biology
 Introduction to Forensic Anthropology

Ashland University

2011- 2012 **Introduction to Human Biology.** Core science course for students included general overview of biological chemistry, human anatomy, genetics & inheritance, and human evolution. Included 3 lecture hours per week and one 2 hour lab per week.

2011 - 2012 **Human Anatomy & Physiology for Nursing I & II.** A two semester series on anatomy and physiology for nursing students. The course introduces students to the anatomical and physiological functions of the human body and includes basic anatomical and directional terminology, fundamental concepts in physiology, and principles of cell biology and histology. Students use models, tissue slides, *ex-vivo* soft tissue material, and the gross dissection of human cadavers during a two hour lab period. The course included three 50 minute lectures per week and one 2 hour lab.

New York University

2009 Spring *Guest Lecturer: Introduction to Forensic Anthropology.* Instructed class in the biology and development of human and non-human skeletons.

2009 Spring *Teaching Assistant: Introduction to Forensic Anthropology* for Dr. Susan Antón. Department of Anthropology, NYU. Assisted students (75 undergraduate), administration of tests and individual instruction via office hours.

2008 Fall *Guest Lecturer: Human Osteology and Odontology.* Instructed class in the osteology and development of the thorax and shoulder girdle.

2008 Summer *Adjunct: Primates in Motion.* Developed new course and lab in primate functional morphology for department of Anthropology, NYU. Instructed (10 undergraduate) class 4 times a week plus 1 lab per week.

- 2008 Spring *Teaching Assistant: Introduction to Human Evolution* for Dr. Susan Antón, Department of Anthropology. Instructed 2 labs/week, 40 students, administration of tests, individual instruction via office hours.
- 2007 Fall *Teaching Assistant: Human Osteology and Odontology* for Dr. Susan Antón. Department of Anthropology. Assisted students (11 graduate and 3 undergraduate) in identification of fragments of bone, administration of quizzes and tests, individual instruction via office hours.
- 2006 Spring *Teaching Assistant: Introduction to Human Origins* for Dr. Todd Disotell, Department of Anthropology. Instructed 2 labs/week, 50 students, administration of tests, individual instruction via office hours.
- 2004 *Guest Lecturer: Interpreting the Human Skeleton*. Instructed class on methods for estimating stature in forensic cases.
- 2004-05 *Teaching Assistant: Introduction to Archaeology* for Dr. Randy White and Dr. Pam Crabtree, Department of Anthropology. Developed and taught 2 labs/week, 45 students, administration of tests, individual instruction via office hours.

PUBLICATIONS

- In prep. Fellmann, C.D. Development of mechanical advantage in the hind limb of *Gorilla* and *Pan*. To be submitted to the *American Journal of Physical Anthropology*.
- In prep. Young JW and Fellmann C.D. Kinetics of cottontop tamarin (*Saguinus oedipus*) arboreal quadrupedalism. To be submitted to the *American Journal of Physical Anthropology*.
- 2015 Young, J.W., Russo, G.A., Fellmann, C.D., Thatikunta, M. A., and Chadwell, Brad. Tail function during Arboreal quadrupedalism in squirrel monkeys (*Saimiri boliviensis*) and tamarins (*Saguinus oedipus*). *Journal of Experimental Zoology* 9999:1-11.
- 2014 Young, J.W., Danczak, R., Russo, G.A. and Fellmann, C.D. Limb bone morphology, bone strength, and cursoriality in lagomorphs. *Journal of Anatomy* 255(4): 403-418.
- 2011 Fellmann, C.D. Forelimb Ontogeny and its Relationship to Anatomical Mechanical Advantage in Macaques. In T. Russell (ed), *The Rhesus Macaques of Cayo Santiago and beyond: Bones, Genetics, and Behavior*. Springer Life Science Series: Developments in Primatology: Progresses and Prospects. Chicago: Springer. (peer reviewed)

- 2007 Antón, S.C., Spoor F., Fellmann, C.D., and Swisher, C.C. III. Defining *Homo erectus*: Size Considered. In Henke, Rothe and Tattersall (eds), *Handbook of Paleoanthropology, Volume 3*, Chapter 11; Pp. 1655-1693. Springer-Verlag, Berlin. (peer reviewed)
- 2006 Fellmann, C.D. Estimation of femoral length and stature in *Homo erectus* from fragmentary remains. In Y. Decong (ed.): *Collected works for The 40th Anniversary of Yuanmou Man Discovery and the International Conference on Paleoanthropological Studies* Pp.282- 292. Kunming, China: Yunnan Sciences and Technology Press.

PUBLISHED ABSTRACTS

- 2010 Fellmann, C.D. Limb development and its relationship to locomotion in juvenile apes: *Pan* and *Gorilla* (abstract). *American Journal of Physical Anthropology* 141 (S50):103-104.
- 2009 Fellmann, C.D. Forelimb ontogeny and its relationship to anatomical mechanical advantage in rhesus macaques (*Macaca mulatta*) from Cayo Santiago (abstract). *American Journal of Physical Anthropology* S48 (138):127.
- 2009 Rein, T.R., Fellmann, C.D., S.E. Inouye. The ontogeny of humeral torsion and locomotor behavior in African apes: implications for interpreting the hominoid fossil record (abstract). *American Journal of Physical Anthropology* S48 (138):220.
- 2008 Fellmann, C.D. Tibial ontogeny and locomotor development in *Macaca* (abstract). *American Journal of Physical Anthropology* S46 (135): 95.
- 2004 Fellmann, C.D. & Antón, S.C. Estimation of Stature in Asian *Homo erectus* from Fragmentary Remains (abstract). *International Symposium on Paleoanthropology In Commemoration of the 75th Anniversary of the Discovery of the First Skull of Peking Man at Zhoukoudian*, October 12-16. Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, PRC.

PRESENTATIONS

- 2012 Young, J.W. and Fellmann, C.D. Evolutionary implications of quadrupedal locomotor mechanics in cotton-top tamarins (*Saguinus oedipus*). Presented at the Annual meeting of the American Association of Physical Anthropologists, Seattle, WA.

- 2012 Fellmann, C.D. and J.W. Young. (Poster) Limb growth, locomotor development and life history in lagomorphs. Presented at the Society of Integrative and Comparative Biology in Charlestown, VA.
- 2010 Fellmann, C.D. Limb development and its relationship to locomotion in juvenile apes: *Pan* and *Gorilla*. In Fellmann, C.D. & Schmitt, C.A. (Chairs/Organizers), Juvenile primates: it's about time. Invited symposium at the annual meeting of the American Association of Physical Anthropologists in Albuquerque, NM.
- 2009 Fellmann, C.D. Forelimb ontogeny and its relationship to anatomical mechanical advantage in rhesus macaques (*Macaca mulatta*) from Cayo Santiago. In W. Qian (Chair), *Bones, genetics and behavior: Physical Anthropology at the Caribbean primate research center*. Invited symposium at the annual meeting of the American Association of Physical Anthropologists, Chicago, IL.
- 2009 Rein, T.R., Fellmann, C.D., S.E. Inouye. (Poster) The ontogeny of humeral torsion and locomotor behavior in African apes: implications for interpreting the hominoid fossil record. Presented at the annual meeting of the American Association of Physical Anthropologists in Chicago, IL.
- 2009 Fellmann, C.D. & Rein, T.R. (Poster) A 3-dimensional examination of the ontogeny of humeral torsion in African apes. Presented at the New York Consortium in Evolutionary Primatology conference *Darwin's Legacy: Early Human Evolution in Africa*, New York, NY.
- 2008 Fellmann, C.D. (Poster) Tibial ontogeny and locomotor development in *Macaca*. Presented at the annual meeting of the American Association of Physical Anthropologists in Columbus, OH.
- 2007 Fellmann, C.D. Heterochrony and Functional Ontogeny in the Catarrhine Limb Skeleton. Invited speaker at the Primate Research Institute Kyoto University, Inuyama, Japan.
- 2005 Fellmann, C.D. (Poster) The evolutionary significance of vertical climbing: pre-adaptations for bipedality. Presented at the New York Consortium in Evolutionary Primatology symposium: *Monkeys Old and New*, New York, NY.
- 2005 Fellmann, C.D. The evolutionary significance of vertical climbing: Pre-adaptations for bipedality. New York Consortium in Evolutionary Primatology, seminar.

- 2004 Fellmann, C.D. Estimating Femoral Length and Stature: The Importance of Body Size. Invited speaker at Visiting Scholar Lecture Series. Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, China.
- 2003 Fellmann, C.D. The Estimation of Stature in *Homo erectus* from Modern Human Biometrics. Rutgers University Department of Anthropology Second Year Retreat.

CONTRIBUTOR

- 2005 Morwood, Mike, Thomas Sutikna, and Richard Robert. "The People that Time Forgot / Lost World of the Little People." **National Geographic** (April 2005): 4-15. Provided data on *H. erectus* stature variability for graphics.

GRANTS, FELLOWSHIPS AND SCHOLARSHIPS

- 2012 **NSF** (granted). Senior Personal. Collaborative Research: Natural Selection on Growth and Locomotor Development in Eastern Cottontail Rabbits (*Sylvilagus floridanus*).
- 2009/2010 **IGERT Fellowship**. National Science Foundation.
- 2008 **Travel Grant**. New York University, Graduate School of Arts and Sciences.
- 2008 **Travel Grant**. Department of Anthropology, New York University and New York Consortium in Evolutionary Primatology.
- 2007 **Travel Grant**. Department of Anthropology, New York University and New York Consortium in Evolutionary Primatology.
- 2004 **New York University Dept. of Anthropology Scholarship**. New York, NY.
- 2004 **Henry MacCracken Fellowship**. Graduate School of Arts and Sciences. New York University, NY, NY.
- 2004 **Dean's Fellowship**. Graduate School of Arts and Sciences, New York University, NY, NY.
- 2003 **Koobi Fora Field School Scholarship**. Rutgers University, New Brunswick, NJ.
- 2003/2004 **East Asian Summer Institute Fellow**. **National Science Foundation**.
- 2003 **Graduate Research Fellowship**, Honorable Mention. **National Science Foundation**.
- 2003 **Bigel Fellowship**. Department of Anthropology, Rutgers University, New

Brunswick, NJ.

- 2003 **Dean Harvey Waterman Grant.** Rutgers Graduate School, New Brunswick, NJ.
- 2003 **Center for Human Evolutionary Studies Grant.** Rutgers University, New Brunswick, NJ.
- 2002 **Rutgers Excellence Fellowship.** Rutgers University, New Brunswick, NJ.
- 1999 **Senior Scholarship.** University of Iowa, Iowa City, IA.
- 1999 **Stanley Language Scholarship.** Department of Asian Languages and Literature, University of Iowa, Iowa City, IA.
- 1996 **Freshman Scholarship.** University of Iowa, Iowa City, IA.
- 1996 **Memorial Day Parade Scholarship.** Commerce City Memorial Day Parade Committee, Commerce City, CO.

FIELD EXPERIENCE

- 2005 *Paleontology:* **Laetoli, Tanzania.** New York University and Eyasi Plateau Paleontological Expedition. Supervisor: Dr. Terry Harrison. Identification and collection of fossil material.
- 2003 *Paleontology and Archaeology:* **Koobi Fora Field School,** Lake Turkana, Kenya. Rutgers University Department of Anthropology and National Museums of Kenya.
- 1997 *Historic Archaeology:* **Plum Grove Field School,** Iowa City, Iowa. University of Iowa, Department of Anthropology, Iowa City, IA.

RESEARCH EXPERIENCE

- 2011-2012 Northeastern Ohio Medical University (NEOMED). Rootstown, OH. Young Biomechanics Laboratory. Use of live primates (*Saguinus oedipus*) for 3D kinetic and kinematic analysis of gait.
- 2010 **Harvard Museum of Comparative Zoology,** Cambridge MA. Data collection for humeral torsion development project.
- 2008 **Powell Cotton Museum,** Birchington-on-Sea, England. Data collection for doctoral dissertation on African ape post-cranial anatomy.
- 2007 **Primate Research Institute of Kyoto University,** Inuyama, Japan. Data collection for doctoral dissertation on Japanese macaque post-cranial anatomy.

Host: Dr. Hamada Yuzuru.

- 2007 **Caribbean Primate Research Center**, University of Puerto Rico Medical Sciences Center, San Juan, Puerto Rico. Host: Dr. Donald C. Dunbar. **Smithsonian Institute**, Washington D.C. Department of Mammals. **Kent State University**, Department of Anthropology, Kent, Ohio. Host: Dr. C. Owen Lovejoy. **Cleveland Museum of Natural History**, Cleveland, Ohio. Data collection for doctoral dissertation.
- 2005 *Archaeology Internship*: **Faunal Analysis Laboratory**, New York University, with Dr. Pam Crabtree. Identification of faunal material from Fort Johns Historic Site.
- 2004 **Institute of Vertebrate Paleontology and Paleoanthropology**, Beijing, P.R. China. Preliminary research for doctoral dissertation and master's thesis on modern Chinese skeletal morphology.
- 2003 **American Museum of Natural History**, New York. Estimating femoral total femoral length and stature from sectional measure from Alaskan Inuit.

SYNERGYSTIC & COMMUNITTEE SERVICE

- 2010 *Organizer & Chair*: **Juvenile Primates: It's about time**. American Association of Physical Anthropology annual meetings Albuquerque, NM. Organized oral symposium for 2010 annual meetings.
- 2008 Revision of student laboratory manual for **Introduction to Human Evolution** New York University, Department of Anthropology. Including: revision of lab manual, protocol, and activities in comparative osteology, genetics, primate behavior, and paleoanthropology. Revised lab manual was implemented in all subsequent courses.
- 2007 *Host*: **Evolutionary Anthropology at the Interface**. New York University Center for the Study of Human Origins, New York.
- 2007 *Chair*: **Developmental Primatology Reading Group**. Dept. of Anthropology, New York, New York. Established and led weekly reading group on developmental Primatology.
- 2005 *Co-Chair*: **Student Job Search Committee**, Dept. of Anthropology, New York University, New York. Interviewed and evaluated Physical Anthropology job candidates.
- 2004 *Host*: **Neanderthals Revisited: New Approaches and Perspectives Conference**. New York University Center for the Study of Human Origins, New York.

- 2000 *Laboratory Assistant*: University of Iowa **Biological Anthropology Lab**, Computerization and preparation of materials for publication for Dr. Russ Ciochon (unpaid).
- 1999 *Laboratory Assistant*: **Human Osteology Lab**, Identification of skeletal material (age, race, sex, pathology) for Dr. Robert Franciscus, University of Iowa, (unpaid).

PROFESSIONAL ASSOCIATIONS AND AFFILIATIONS

- 2010-Present **Society for Integrative and Comparative Biology**
2002-Present **American Association of Physical Anthropology.**
2003-2011 **New York Consortium for Evolutionary Primatology (NYCEP)**, NY, NY.
2003-2011 **Center for the Study of Human Origins**, New York University, Department of Anthropology, NY, NY.
2002-2008 **Paleoanthropology Society.**
2002-2004 **Center for Human Evolutionary Studies**, Rutgers University, Department of Anthropology, New Brunswick, NJ.

REFERENCES

Dr. Mason Posner

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Dr. Terry Harrison

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