

KRISTINE G. BEATY
Department of Anthropology
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EDUCATION

University of Kansas, Lawrence, Kansas, present
Ph.D. student in Biological Anthropology

University of Kansas, Lawrence, Kansas, December, 2009
Masters of Arts in Biological Anthropology
Master's thesis titled: *Finding the "Scot" in the Scottish-American: An Investigation of Scottish Identity through Mitochondrial DNA and Y-chromosome Markers.*
Dr. Michael H. Crawford, advisor

University of Missouri, Columbia, Missouri, 2002
Bachelor of Arts in Anthropology: emphasis on biological and medical anthropology
Bachelor of Science in Biology: concentration on evolution, adaptation, and infectious disease

Metropolitan Community College, Penn Valley, Kansas City, Missouri, 1999
Associate of Arts

RESEARCH INTEREST

Human origins and genetic diversity
Impact of disease (present and past) on culture and adaptability
Genetic epidemiology
Public policy on health and nutrition, and its role in shaping disease pathways

WORK AND RESEARCH EXPERIENCE

Graduate Research Assistant, under Dr. Michael H. Crawford for the Latent Autoimmune Diabetes of Adults Project, Fall 2011

- Coordinated with the University of Kansas Medical Center for data collection from diabetic patients at the Diabetes Center.
- Extracted DNA from blood samples collected by medical staff.
- Amplified DNA and identified SNPs from diabetes samples.
- Data analysis.

Lab Safety Supervisor, Laboratory of Biological Anthropology, 2009-present

- Ensured the genetic lab of biological anthropology is up to date with all university safety requirements including the safe use and disposal of harmful materials.
- Training students in lab techniques.

Graduate Teaching Assistant, Principles of Human Physiology Laboratory, Spring 2011

- Instructed students through experiments and simulations to demonstrate laboratory techniques used in areas of human physiology.
- Developed course materials including lectures, quizzes and handouts.
- Evaluated students' assignments and laboratory reports.

Research Assistant for Dr. Devon Mihesuah, Global Indigenous Nations Studies, 2010

- Research microfilm, archival and on-line sources for professors' manuscript on historic environment of Indian Territory.

Graduate Teaching Assistant, Fundamentals of Biological Anthropology, 2006-2010

- Developed course materials including homework assignments, activities, quizzes, handouts and exams.
- Constructed discussion presentations in Microsoft Office PowerPoint 2003 & 2007.
- Instructed students on topics including general biology, primatology, and human evolution.
- Evaluated students' homework assignments, essays, and exams.
- Managed course web site on Blackboard.

Level 2 Technician, Heartland Lions Eye Banks, 2004-2006

- Performed retrieval and processing of corneal tissue for transplant and research, including blood draw for serological screening
- Screened individual, tissues, and medical records to exclude infectious disease from donor, and ensure safety of tissue transplant and research
- Trained new staff members on techniques for tissue retrieval and processing, including sterile techniques, blood draw and handling, shipping procedures and paperwork
- Maintained laboratory and office facilities
- Organized and verified patient records

PUBLICATIONS AND PRESENTATIONS

T Parrish, AE Justice, SM Johnson, **KG Beaty**, CP Phillips, P Williams, MH Crawford (2011) Development of a novel multiplex assay for major Y haplogroups assignment. Poster presented at the 61st meeting of the International Conference of Human Genetics, Montreal, Canada.

KG Beaty & ML Mealey (2010) Scottish Identity in an American Melting Pot: Insights from mtDNA and the Y-chromosome. Poster presented at the Human Migration Conference, University of Kansas on March 1st, 2010, and the University of Kansas Graduate Research Competition, Spring 2010.

KG Beaty & ML Mealey. (2009) Finding the Scot in the Scottish-American: Examination of ethnic identity through the Y-chromosome (Abstract). Presented at the 78th Annual Meeting of the American Association of Physical Anthropology, Chicago, Illinois

ML Mealey-Ferrara, **KG Beaty**, MH Crawford. (2007) Scottish clan mating, marriage and migration customs: a study of Scottish-American identity and mitochondrial lineages (Abstract). University of Kansas, Lawrence, KS. 32nd Annual Meeting of the Human Biological Association. 2007. Poster presented at the annual conference

RELATED COURSEWORK

Anthropology

Medical Anthropology
Skeletal Biology
Disease and Adaptation
Grant Writing
Biology of Human Nutrition
Peopling of the Pacific
Current Archaeology
Applied Phylogenetic & Multivariate Analysis

Introduction to Physical Anthropology
Anthropological Demography
Research Methods in Biological Anthropology
Current Biological Anthropology
Current Cultural Anthropology
New Issues in Human Evolution
History of Anthropology
Coevolution and Disease
Migration

Biology and Chemistry

General Genetics
General Biology
Introduction to Cell Biology
Community Biology
Infectious Disease
Seminar: Evolution-Epic Journey

General and Organic Chemistry Series (5 courses)
Parasitology
Animal Physiology
Evolution
Introductory Entomology
Insect diversity

Other

Biometry I and II
Multivariate Data Analysis

Calculus I and II for Social and Natural Sciences
Professional Writing

HONORS AND AWARDS

Carroll Clark Research Award, Fall 2006, Spring 2011
Graduate Student Travel Award (KUCR funding), Spring 2009
Honor Roll, Metropolitan Community College at Penn Valley, 1998-1999
Honors Program, St. Louis Community College at Florissant Valley, 1995-1996

ACADEMIC SERVICE

Editor for the Laboratory of Biological Anthropology Newsletter, 2011 to present
International Conference on Human Migration organizer; conference hosted by the University of Kansas in March of 2010
Graduate Student Mentor, Department of Anthropology, 2009-present
Graduate Students in Anthropology, KU Anthropologist Co-editor, 2006-2007
Graduate Students in Anthropology, KU Anthropologist Committee, 2005-2006
Graduate Students in Anthropology, Curriculum Committee, 2005-2006

ACADEMIC DEVELOPMENT

American Society of Human Genetics member, 2011-present
Ecology and Evolutionary Biology Genetics Group, 2010-present
American Association of Anthropological Genetics member, 2009-present
American Association of Physical Anthropology member, 2008-present
Graduate Student Association, 2005-present
Human Biology Association member, 2006-present
Genetic Lecture Series Participant, University of Kansas, Department of Anthropology, 2006-2010
Preparing Future Faculty Seminar 2006

The Human Behavioral Evolution Club Potluck Dinner, Lecture and Discussion Series
Participant, 2005
Anthropological Student Association, University of Missouri 2000-2002

REFERENCES

Michael H. Crawford. Professor, Biological Anthropology, Lippincott Hall, #5, University of Kansas, Lawrence, KS 66045. crawford@ku.edu. (785) 864-4170

James H. Mielke. Professor, Biological Anthropology & Acting Associate Dean of Social & Behavioral Sciences in CLAS, Fraser Hall, #637, University of Kansas, Lawrence, KS 66045. mielke@ku.edu. (785) 864-2644

Bartholomew C. Dean. Associate Professor, Socio-Cultural Anthropology, Fraser Hall, #618, University of Kansas, Lawrence, KS 66045. bdean@ku.edu. (785) 864-2648.