

CURRICULUM VITAE

Sarah Phillips-Garcia

University of New Mexico
Department of Anthropology
MSC01-1040
500 University Blvd. NE
Albuquerque, NM 87131

sjoyce@unm.edu

email for phone

www.sarahphillips-garcia.com

Education

Present Evolutionary Anthropology Ph.D. program, University of New Mexico
2011 Master of Arts, University of New Mexico, Evolutionary Anthropology
2002 Master of Science, Eastern Illinois University, Biology
2000 Bachelor of Science, Eastern Illinois University, Zoology

Research Funding & Professional Recognition

2018 Louis B. Leakey Foundation Research Grant (\$11,125.00)
2018 American Association of Anthropological Genetics Outstanding Trainee Award
2016 National Science Foundation DDIG (\$19,625)
2010 PIBBS Fellowship – NIH/UNM Biology (\$21,000)
2009 PIBBS Fellowship – NIH/UNM Biology (\$21,000)
2001 EIU Graduate Research/Creative Activity Award (\$750.00)
2000 Sigma Xi Grant in Aid of Research (\$715.00)
2000 Errett/Mazie Warner Presidential Award in Zoology (\$2140.00)
2000 Phi Sigma (Beta Pi Chapter) Research Award (\$250.00)

Publications

Rodgers, J.K., Sandland, G.J., **Joyce, S.R.** and D.J. Minchella. 2005. Multi-species interactions among a commensal (*Chaetogaster limnaei limnaei*), a parasite (*Schistosoma mansoni*) and an aquatic snails host (*Biomphalaria glabrata*). *Journal of Parasitology*. 91(3): 709-712.

Conference Papers and Posters

2018 Ecoimmunology of wild chimpanzees (*Pan troglodytes schweinfurthii*): Does MHC genotype or phenotype predict occurrence of respiratory infection? **S. Phillips-Garcia**, M. Emery Thompson, M.N. Muller, Z.P. Machanda, E. Scully, E. Otali, T.L. Goldberg, R.W. Wrangham, P. Parham, and E.E. Wroblewski; American Association of Physical Anthropologists; oral pres.; Austin, TX.

2018 Characterization of MHC-DRB immunogenetic diversity in the wild chimpanzees (*Pan troglodytes schweinfurthii*) of Gombe National Park, Tanzania. E.E. Wroblewski, **S. Phillips-Garcia**, L. Guethlein, and P. Parham; American Association of Physical Anthropologists; oral presentation by E.E. Wroblewski; Austin, TX.

2017 Characterization of a Class I MHC gene in East African Chimpanzees (*Pan troglodytes schweinfurthii*): Does MHC Genotype or Phenotype Predict Frequency of Respiratory Illness? **S. Phillips-Garcia**, M. Emery Thompson, M.N. Muller, Z.P. Machanda, E. Scully, E. Otali, T.L. Goldberg, R.W. Wrangham, P. Parham, and E.E. Wroblewski; Midwest Primate Interest Group; oral presentation; Northwestern University, Chicago, IL.

2017 Longitudinal changes in diet and reproduction among wild chimpanzees at Kanyawara, Kibale National Park. M. Emery Thompson, Z.P. Machanda, **S. Phillips-Garcia**, E. Otali, M.N. Muller, R.W. Wrangham; American Association of Physical Anthropologists; oral presentation by M. Emery Thompson; New Orleans, LA.

2013 The signature of language and geography on the genetic structure of human populations in Africa. M.E. Schaeffer, **S.R. Joyce**, and J.C. Long; American Association of Physical Anthropologists; oral presentation by M.E. Schaeffer; Knoxville, TN.

2010 Analysis of global gene identity reveals a history of serial founder effects and admixture with archaic humans. **S.R. Joyce**, K.L. Hunley, and J.C. Long; American Journal of Physical Anthropology. Volume 141 Issue S50; oral presentation at AAPA, Hotel Albuquerque, Albuquerque, NM.

- 2003 Phylogenetics of lymnaeid snails with emphasis on the evolution of susceptibility to *Fascioloides magna* infection. **S.R. Joyce**, M. Mort, & J.R. Laursen; oral presentation at American Society of Parasitologists, Westin Inn, Halifax, Nova Scotia.
- 2002 Phylogenetics of lymnaeid snails with emphasis on the evolution of susceptibility to *Fascioloides magna* infection. **S.R. Joyce**, M. Mort, & J.R. Laursen; oral presentation at Annual Midwest Conference of Parasitologists, Millikin University, Decatur, IL.
- 2002 Phylogenetics of lymnaeid snails with emphasis on the evolution of susceptibility to *Fascioloides magna* infection. **S.R. Joyce**, M. Mort, & J.R. Laursen; oral Presentation at Illinois State Academy of Science, Southern Illinois University at Edwardsville.
- 2001 Phylogenetics of Lymnaeidae (Mollusca: Gastropoda) based on multiple molecular data sets. **S.R. Joyce**, M. Mort, & J.R. Laursen; poster presentation at Evolution 2001, University of Tennessee at Knoxville
- 2001 Effects of Aquashade™ and CuSO₄ on growth and reproduction of *Biomphalaria glabrata*. **S.R. Joyce** & J.R. Laursen; poster presentation at Annual Midwest Conference of Parasitologists, Eastern Illinois University, Charleston, IL
- 2000 Effects of Aquashade™ on the survival, growth, and reproduction of *Biomphalaria glabrata*. **S.R. Joyce** & J.R. Laursen; oral presentation at North-Central Tri-Beta Conference

Professional Experience

- 2012-2018 Graduate Instructor, Department of Anthropology, University of New Mexico
- 2016-2017 RA, Hominoid Reproductive Ecology Laboratory, Department of Anthropology
- 2015 Nature Guide Facilitator, Albuquerque BioPark, Albuquerque, NM
- 2014 Academic Coordinator, STI, Department of Engineering, University of New Mexico
- 2011 Instructor, Program in Interdisciplinary Biology and Biomedical Sciences (NIH / UNM Biology), University of New Mexico
- 2009-2011 Program in Interdisciplinary Biology & Biomedical Sciences Fellow (NIH / UNM Biology), University of New Mexico
- 2008-2009 Part-time Faculty (Biology), CNM Community Colleges, Albuquerque, NM
- 2005-2007 Environmental Consultant / GIS, Permits West, Inc., Santa Fe, NM
- 2002-2004 Graduate Teaching Assistant, Purdue University, West Lafayette, IN
- 2000-2002 Graduate Teaching Assistant, Eastern Illinois University, Charleston, IL
- 2000-2002 Instructor of Biology / Chemistry, IECC, Olney, IL

Teaching

- 2018 Spring, ANTH 160 – Human Life Course, UNM
- 2017 Fall, ANTH 160 – Human Life Course, UNM
- 2017 Spring, ANTH 150 – Evolution and Human Emergence, UNM
- 2016 Fall, ANTH 151L – Evolution and Human Emergence Lab, UNM
- 2016 Spring, ANTH 160 – Human Life Course, UNM
- 2015 Spring, ANTH 151L – Evolution and Human Emergence Lab, UNM
- 2014 Fall, ANTH 151L – Evolution and Human Emergence Lab, UNM
- 2014 Spring, ANTH 150 – Evolution and Human Emergence, UNM
- 2013 Fall, ANTH 150 – Evolution and Human Emergence, UNM
- 2013 Summer, ANTH 150 – Evolution and Human Emergence, UNM
- 2013 Summer, ANTH 160 – Human Life Course, UNM
- 2013 Spring, ANTH 350 – Human Biology, UNM
- 2012 Fall, ANTH 160 – Human Life Course, UNM
- 2012 Summer, ANTH 150 – Evolution and Human Emergence, UNM
- 2012 Spring, ANTH 150/151L – Evolution and Human Emergence, UNM
- 2011 Spring, BIOL 419/519 - Algal Biofuels, UNM
- 2009 Summer, General Biology for science majors (lecture), CNM
- 2009 Spring, General Biology for science majors (lecture), CNM
- 2008 Summer, Molecular and Cell Biology (lecture), CNM
- 2008 Spring, General Biology for science majors (lecture), CNM
- 2008 Spring, General Biology for non-science majors (lecture), CNM
- 2003 Fall, Molecular/Cell Biology (lecture), Purdue University
- 2002 Fall, Ecology, Diversity and Behavior (lab), Purdue University
- 2002 Field Biology (lecture/lab), Illinois Eastern Community Colleges

2001 Environmental Biology (lecture/lab), Illinois Eastern Community Colleges
2000 General Biology (lecture/lab), Illinois Eastern Community Colleges
2000 General Chemistry (lecture/lab), Illinois Eastern Community Colleges

Mentored Research

Cristina Diaz. (Fall 2017). Morphometrics of *Oesophagostomum* eggs in wild chimpanzees: Is there evidence for multiple species? University of Wisconsin, Madison, WI.
Kate Burkart. (Fall 2017). *Troglodytella abassyi* as a marker of health in wild, East African chimpanzees (*P. t. schweinfurthii*) from Kibale National Park, Uganda. University of Wisconsin, Madison, WI

Laboratory Trainees

Jess Carag, 3rd year DVM, School of Veterinary Medicine, University of Wisconsin, Madison, WI
Kylie Grady, 1st year DVM, School of Veterinary Medicine, University of Wisconsin, Madison, WI
Richard Dulli, 3rd year DVM, School of Veterinary Medicine, University of Wisconsin, Madison, WI
Kayla Bonack, Junior, University of Wisconsin, Madison, WI
Kate Burkart, Sophomore, University of Wisconsin, Madison, WI
Cristina Diaz, Sophomore, University of Wisconsin, Madison, WI

Computer Programming Languages

Matlab, R, and Python

Certificates

2016 Radiation Safety Training, University of New Mexico
2014 Energy and the Environment, Penn State University
2011 Responsible and Ethical Conduct of Research, OGS at UNM
2011 PI Eligibility, OGS at UNM

Professional Organizations

American Association of Physical Anthropologists
American Society of Primatologists
International Primatological Society
American Association of Anthropological Genetics
American Society of Parasitologists
Society of Systematic Biologists
Sigma Xi
Beta Beta Beta
Phi Sigma