

**Andrew Kitchen**  
Curriculum Vitae as of June 6, 2017

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## EDUCATION AND PROFESSIONAL HISTORY

### Post Graduate Education

2008 - 2012      **Post Doctoral Scholar**, The Pennsylvania State University, Center for Infectious Disease Dynamics, Biology Department, the Holmes Laboratory  
**Mentor(s)**: Holmes, Edward C

### Higher Education

2008      **PhD**, Anthropology, University of Florida  
**Thesis**: Inferences of recent and ancient human population history using genetic and non-genetic data  
  
2004      **MA**, Anthropology, University of Florida  
2003      **MSc**, Biology, University of Oxford  
**Thesis**: The viability of viral gene sequences as markers of human population history  
2001      **BS**, Biomedical Engineering, The Johns Hopkins University  
**Supporting Areas / Minor**: Computer Science

### Professional and Academic Positions

2012 - Present      **Assistant Professor**, Department of Anthropology, University of Iowa  
2007 - 2008      **Graduate Research Assistant**, Department of Anthropology, University of Florida  
2004 - 2005      **Graduate Teaching Assistant**, Department of Anthropology, University of Florida

### Honors and Awards

2002 - 2007      **Alumni Fellowship**, University of Florida, tuition, fees and \$14,000 stipend per annum  
1997 - 2001      **National Merit Scholar**, The Johns Hopkins University, \$2,000 per annum

### Memberships

American Association of Anthropological Genetics  
American Association of Physical Anthropology

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## TEACHING

### Courses Taught at the University of Iowa

Term	Course#	Title	Enrollment
Spring 2017	ANTH:5110:0001	Anthropological Data Analysis	9
Spring 2017	BIOL:1061:000A	Big Ideas: Evol and Life in the Universe	80
Spring 2017	ANTH:6005:5659	Independent Study: Anthropology	1
Spring 2017	ANTH:2390:4077	Lab Methods in Biological Anthropology	2
Spring 2017	IGPI:6520:5451	Research for Dissertation	1
Fall 2016	ANTH:1301:0AAA	Human Origins	148
Fall 2016	ANTH:2390:3196	Lab Methods in Biological Anthropology	1
Fall 2016	ANTH:2320:1	Origins of Human Infectious Disease	47
Fall 2016	IGPI:6520:3127	Research for Dissertation	1
Summer 2016	ANTH:3015:2351	Independent Study	1

Spring 2016	BIOL:1061:000A	Origins of Life in the Universe (Part 2)	78
Spring 2016	IGPI:6520:0099	Research for Dissertation	1
Spring 2016	ANTH:5301:0001	Seminar: Biological Anthropology	9
Fall 2015	ANTH:3015:0034	Independent Study	2
Spring 2015	ANTH:3328:0001	Molecular Genetics of Human Disease	6
Spring 2015	ANTH:2320:0001	Origins of Human Infectious Disease	36
Spring 2015	GRAD:7400:0012	Practicum in College Teaching	1
Fall 2014	HONR:3200:0338	Honors Research Practicum	1
Fall 2014	ANTH:3326:0001	Infectious Disease and Human Evolution	20
Spring 2014	113:013:AAA	Human Origins	74
Spring 2014	113:183:034	Independent Study	1
Spring 2014	213:090:001	Origins of Human Infectious Disease	41
Fall 2013	113:176:034	Honors Research	1
Fall 2013	213:151:001	Human Evolutionary Genetics	4
Fall 2013	213:153:001	Infectious Disease and Human Evolution	11
Spring 2013	113:013:AAA	Human Origins	72
Spring 2013	213:090:001	Origins of Human Infectious Disease	17
Fall 2012	213:151:001	Human Evolutionary Genetics	17

### **Innovations in Teaching (Other Teaching Contributions)**

#### ***Guest Lecture***

2016	<b>Pleistocene Peopling of the Americas</b>
2016	MICR:4169 Topics in Viral Biology and Pathogenesis (instructor: Wendy Maury): Phylogenetics, the coalescent, and tree-thinking
2015	ANTH:1000 First-Year Seminar: A Tour of Biological Anthropology (instructor Lara Noldner): Genetics and human history
2015	ANTH:2164 Culture/Healing for Health Professionals (instructor Erica Prussing): Genetic approaches to medical anthropology
2015	ANTH:1061 Origins of Life in the Universe (Part 2) (instructor Andrew Forbes): Human infectious disease
2015	EPID:5560 Introduction to Molecular Epidemiology (instructor Margaret Chorazy): Phylogenetic and coalescent methods
2015	BME:2010 Professional Seminar Biomed Engineering (instructor David Wilder): Biomedical engineering and evolutionary biology
2014	ANTH:1001 Issues in Anthropology: Anthropological Forensics (instructor Miranda Karban): Forensic Genetics
2014	Washington State University: Genes, Culture, and Human Diversity (instructor Brian Kemp): Evolutionary history of the Afroasiatic language family
2014	ANTH:2164 Culture/Healing for Health Professionals (instructor Erica Prussing): Medical Anthropology: A Genetic Approach
2014	ANTH:5301 Seminar Biological Anthropology (instructor Russell Ciochon): Biological anthropological theory
2014	127:173 Computational Genomics (instructor Thomas Casavant): Phylogenetics
2014	ANTH:5301 Seminar Biological Anthropology (instructor Russell Ciochon): Genetic anthropology
2014	187:020 Introduction to International Studies (instructor Michael Zmolek): Anthropology as an International Discipline
2013	127:173 Computational Genomics (instructor Thomas Casavant): Phylogenetics
2012	113:130 Tribes and Chiefdoms of Ancient Europe (instructor Katina Lillios): European genetics and the origins of Indo-European languages

**Student Mentoring (\* indicates chair of the committee)****PHD****Thesis/Dissertation Committee**

2017 - Present	*Thomas, Ariane
2017 - Present	Koomar, Tanner; <i>In Process</i>
2016 - Present	Jasper, Elizabeth; <i>In Process</i>
2016 - Present	Pettie, Nikale; <i>In Process</i>
2016 - Present	McCracken, Sarah; <i>In Process</i>
2016 - Present	Woods, Emma; <i>In Process</i>
2015 - Present	Marks, Tarah; <i>In Process</i>
2015 - Present	Wilson, Mary; <i>In Process</i>
2015 - Present	McElroy, Kyle; <i>In Process</i>
2014 - Present	Capobianco, Paul; <i>In Process</i>
2014 - Present	Tvedte, Eric; <i>In Process</i>
2015 - 2017	Bankers, Laura; <i>Completed</i>
2014 - 2017	Young, Sean; <i>Completed</i>
2012 - 2017	Avalos, Toby; <i>Completed</i>
2013 - 2016	Villanea, Fernando; <i>Completed</i>
2012 - 2016	Karban, Miranda; <i>Completed</i>

**MA****Thesis/Dissertation Committee**

2015	*Richie, Joshua; <i>Withdrawn</i>
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**BS****Honors Thesis**

2013	*Jasper, Elizabeth; <i>Completed</i>
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**Internship Advisor**

2016	*Brennan, John; <i>Completed</i>
2016	*Schiro, Kelly; <i>Completed</i>
2013	*Antrim, Amelia; <i>Completed</i>
2013	*Jasper, Elizabeth; <i>Completed</i>

**MPH****Thesis/Dissertation Committee**

2016 - Present	Anderson, Bryan
2015 - 2016	Jasper, Elizabeth; <i>Completed</i>

**Professional Mentoring (\* indicates chair of the committee)****Supervised Research**

2014 - 2015	Moscatel, Christina; <i>Completed</i>
2014	Nielsen, Daniel; <i>Completed</i>
2014	Rivera-Gonzalez, Joyce; <i>Completed</i>

**SCHOLARSHIP****Publications**

CLAS \* System \* = Senior Author, Major Contribution, \*\* = Secondary Contribution \*\*\* = Equal Contribution, \*\*\*\* = Minor Contribution

**Refereed Articles**

1. \*\* Teixeira, D. G., Monteiro, G. R., Martins, D. R., Fernandes, M. Z., Macedo-Silva, V. P., Ansaldi, M., Nascimento, P. R., Kurtz, M., Streit, J., Ximenes, M. F., Pearson, R. D., Miles, A., Blackwell, J. M., Wilson, M. E., Kitchen, A., Donelson, J., Lima, J. P., Jeronimo, S. M.B. Comparative analyses of whole

- genome sequences of *Leishmania infantum* isolates from humans and dogs in northeast Brazil. *International Journal of Parasitology*. Accepted/In Press April 2017
2. Young, S. G., Carrel, M., Kitchen, A., Malanson, G. P., Tamerius, J., Ali, M., Kayali, G. (2017). How's the Flu Getting Through? Landscape genetics suggests both humans and birds spread H5N1 in Egypt. *Infection, Genetics and Evolution*, 49, 293-299.
  3. \* Devault, A. M., Mortimer, T. D., Kitchen, A., Kiesewetter, H., Enk, J. M., Golding, G. B., Southron, J., Kuch, M., Duggan, A. T., Aylward, W., Gardner, S. N., Allen, J. E., King, A. M., Wright, G., Kuroda, M., Kato, K., Briggs, D. E., Fornaciari, G., Holmes, E. C., Poinar, H. N., Pepperell, C. S. (2017). A molecular portrait of maternal sepsis from Byzantine Troy. *eLife*, 6, e20983.
  4. \* Vyas, D. N., Kitchen, A., Miro-Herrans, A. T., Pearson, L. N., Al-Meerri, A., Mulligan, C. J. (2016). Bayesian analyses of Yemeni mitogenomes suggest multiple migration events with Africa and western Eurasia. *American Journal of Physical Anthropology*, 159, 382-393.
  5. \* Carpi, G., Kitchen, A., Kim, H. L., Ratan, A., Drautz-Moses, D. I., McGraw, J. J., Kazimirova, M., Rizzoli, A., Schuster, S. C. (2016). Mitogenomes reveal diversity of the European Lyme borreliosis vector *Ixodes ricinus* in Northern Italy. *Molecular Phylogenetics and Evolution*, 101, 194-202.
  6. \* Carpi, G., Walter, K. S., Mamoun, C. B., Krause, P. J., Kitchen, A., Leopore, T., Dwivedi, A., Cornillot, E., Caccone, A., Diuk-Wasser, M. (2016). *Babesia microti* from humans and ticks hold a genomic signature of strong population structure in the United States. *BMC Genomics*, 17, 888.
  7. \*\* Eldholm, V., Pettersson, J. H.-O., Brynildsrud, O. B., Kitchen, A., Rasmussen, E. M., Lillebaek, T., Ronning, J. O., Crudu, V., Mengshoel, A. T., Debech, N., Alfsnes, K., Bohlin, J., Pepperell, C. S., Balloux, F. (2016). Armed conflict and population displacement as drivers of the evolution and dispersal of *Mycobacterium tuberculosis*. *Proceedings of the National Academy of Sciences of the U S A*, 113(48), 13881-13886.
  8. \* Kitchen, A., Non, A. L., Gravlee, C. C., Mulligan, C. J., Warinner, C., Lewis, C. M., Bankoff, R. J., Randrianatoandro, H. D. D., Perry, G. H., Malhi, R. S., Bader, A. C., Raff, J. (2015). Anthropological Genetics. *American Anthropologist*, 117, 736-737.
  9. \* Witt, K. E., Judd, K., Kitchen, A., Grier, C., Kohler, T. A., Ortman, S. G., Kemp, B. M., Malhi, R. S. (2015). Analysis of ancient dogs of the Americas: determining possible founding haplotypes and reconstructing population histories. *Journal of Human Evolution*, 79, 105-118.
  10. \* Qiu, F., Kitchen, A., Burleigh, J. G., Miyamoto, M. M. (2014). Scombrotoxic fishes provide novel insights into the trait/rate associations of molecular evolution. *Journal of Molecular Evolution*, 78, 338-348.
  11. \* Qiu, F., Kitchen, A., Beerli, P., Miyamoto, M. M. (2013). A possible explanation for the population size discrepancy in tuna (genus *Thunnus*) estimated from mitochondrial DNA and microsatellite data. *Molecular Phylogenetics and Evolution*, 66, 463-468.
  12. \* Pepperell, C. S., Casto, A. M., Kitchen, A., Granka, J. M., Cornejo, O. E., Holmes, E. C., Birren, B., Galagan, J., Feldman, M. W. (2013). The role of selection in shaping diversity of natural *M. tuberculosis* populations. *PLoS Pathogens*, 9, e1003543.
  13. \*\* Cook, S., Moureau, G., Kitchen, A., Gould, E. A., de Lamballerie, X., Holmes, E. C., Harbach, R. E. (2012). Molecular evolution of the insect-specific flaviviruses. *Journal of General Virology*, 93, 223-234.
  14. \*\* Holt, K. E., Baker, S., Weill, F.-X., Holmes, E. C., Kitchen, A., Yu, J., Sangal, V., Brown, D. J., Coia, J. E., Wook Kim, D., Young Choi, S., Hee Kim, S., da Silveira, W. D., Pickard, D. J., Farrar, J. J., Parkhill, J., Dougan, G., Thomson, N. R. (2012). *Shigella sonnei* genome sequencing and phylogenetic analysis indicate recent global dissemination from Europe. *Nature Genetics*, 44, 1056-1059.
  15. \* Kitchen, A., Shackelton, L. A., Holmes, E. C. (2011). Family level phylogenies reveal modes of macroevolution in RNA viruses. *Proceedings of the National Academy of Sciences of the U S A*, 108, 238-243.
  16. \* Touns, M. A., Kitchen, A., Light, J. E., Reed, D. L. (2011). Origin of clothing lice indicates early clothing use by anatomically modern humans. *Molecular Biology and Evolution*, 28, 29-32.
  17. \* Kitchen, A., Jones, A., Lowry, K., Aaskov, J., Holmes, E. C. (2010). Molecular evolutionary dynamics of Ross River virus and implications for vaccine efficacy. *Journal of General Virology*, 91, 182-188.
  18. \* Kitchen, A., Carpi, G., Holmes, E. C. (2010). The evolutionary dynamics of Bluetongue virus. *Journal of Molecular Evolution*, 70, 583-592.
  19. \* Firth, C., Kitchen, A., Shapiro, B., Suchard, M. A., Holmes, E. C., Rambaut, A. (2010). Using time-structured data to estimate evolutionary rates of double-stranded DNA viruses. *Molecular Biology and Evolution*, 27, 2038-2051.
  20. \*\*\*\* Sall, A. A., Ousmane, F., Mawlouth, D., Cadhla, F., Kitchen, A., Holmes, E. C. (2010). Yellow

- Fever Virus Exhibits Slower Evolutionary Dynamics than Dengue Virus. *Journal of Virology*, 84, 765-772.
21. \* Kitchen, A., Ehret, C., Addefa, S., Mulligan, C. J. (2009). Bayesian phylogenetic analysis of Semitic languages identifies an Early Bronze Age origin of Semitic in the Near East. *Proceedings of the Royal Society of London, Series B*, 276, 2703-2710.
  22. \*\* Kerr, P. J., Kitchen, A., Holmes, E. C. (2009). The origin and phylodynamics of rabbit hemorrhagic disease virus. *Journal of Virology*, 83, 12129-12138.
  23. \* Kitchen, A., Miyamoto, M. M., Mulligan, C. J. (2008). A three-stage colonization model for the peopling of the Americas. *PLoS ONE*, 3, e1596.
  24. \* Mulligan, C. J., Kitchen, A., Miyamoto, M. M. (2008). Updated three-stage model for the Peopling of the Americas. *PLoS ONE*, 3, e3199.
  25. \* Kitchen, A., Miyamoto, M. M., Mulligan, C. J. (2008). Utility of DNA viruses for studying human host history: Case study of JC virus. *Molecular Phylogenetics and Evolution*, 46, 673-682.
  26. \*\* Ascunce, M. S., Kitchen, A., Schmidt, P. R., Miyamoto, M. M., Mulligan, C. J. (2007). An unusual pattern of ancient mitochondrial DNA haplogroups in northern African cattle. *Zoological Studies*, 46, 123-125.
  27. \*\* Non, A. L., Kitchen, A., Mulligan, C. J. (2007). Identification of the most informative regions of the mitochondrial genome for phylogenetic and coalescent analyses. *Molecular Phylogenetics and Evolution*, 44, 1164-1171.
  28. \*\* Mulligan, C. J., Kitchen, A., Miyamoto, M. M. (2006). Comment on "Population size does not influence mitochondrial genetic diversity in animals". *Science*, 314, 1390.
  29. \*\*\*\* Gray, R. R., Mulligan, C. J., Molini, B. J., Sun, E. S., Giacani, L., Godornes, C., Kitchen, A., Lukehart, S. A., Centurion-Lara, A. (2006). Molecular evolution of the tprC, D, I, K, G, and J genes in the pathogenic genus *Treponema*. *Molecular Biology and Evolution*, 23, 2220-2233.

### Book Chapters

1. \*\*\* Mulligan, C. J., Kitchen, A. (2013). Three stage colonization model for the peopling of the Americas. K. E. Graf, C. V. Ketron, & M. B. Waters (Eds.), *Paleoamerican Odyssey* (pp. 171-181). Center for the Study of the First Americans, College Station.

### Publications In Progress

#### Journal Article

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| 2017 | <i>Genetic discontinuity between the Maritime Archaic and Beothuk populations in Newfoundland, Canada [Submitted @ 'Science Advances']</i>                             |
| 2017 | <i>Migratory history of Mycobacterium tuberculosis in the Old World [Submitted @ 'PNAS']</i>   |
| 2017 | <i>Unlocking Pandemic Potential: Prevalence and position of key substitutions in avian influenza H5N1 in Egyptian isolates [Submitted @ 'BMC Infectious Diseases']</i> |
| 2017 | <i>Bayesian phylogenetic modeling identifies origin and dispersal of Afroasiatic languages</i>   |
| 2017 | <i>Mitogenomes reveal a Mesoamerican melting pot and rapid colonization of the Americas</i>  |
| 2017 | <i>Recent transfer of parasitic lice between archaic and modern humans [Submitted @ 'BMC Research Notes']</i>  |
| 2017 | <i>Testing the limitations of ancient DNA sampling in Bayesian coalescent analysis: A case study of Northern Fur Seals (Callorhinus ursinus)</i>                       |
| 2016 | <i>Parasites provide window into human evolutionary history [Submitted @ 'Nature Education Knowledge']</i>   |

### Areas of Research Interest

- I employ population genetic and phylogenetic techniques to molecular data, and am very interested in both the novel application of existing techniques and the development of new comparative and population genetic methods for answering exciting evolutionary questions.
- Investigating prehistoric human population dynamics from both contemporary and ancient human genetic data
- Revealing the evolutionary dynamics of human pathogens and parasites to provide insights into the ecological and evolutionary history of human host populations
- The application of phylogenetic methods for reconstructing language prehistory and comparing genetic and linguistic population histories

**Grants and Contracts****Not Funded**

- Nov 2016 *Collaborative Research: Agriculture in the American Southwest: Investigating the Transition to Agriculture and its Effect on Demography, Diet, and the Human Microbiome*  
Funded by National Science Foundation - Biological Anthropology Program.  
Percent effort: 10. Investigator/s Andrew A Kitchen (Co-Principal), Brian M Kemp (Co-Principal).
- Dec 2012 *Collaborative Research: Agriculture in the American Southwest: Investigating the Transition to Agriculture and its Effect on Demography, Diet & the Evolution of Human Microbiomes*  
Funded by National Science Foundation - Biological Anthropology Program.  
Investigator/s Andrew Kitchen (Co-Principal), Brian M Kemp.

**Invited Lectures and Conference Presentations****Colloquium****National**

- 2010 Department of Anthropology Colloquium Series, *Of Lice and Men: Insights into Human Evolution from Parasite Genetic Diversity*, The Pennsylvania State University, Pennsylvania, United States

**Invited Lecture****International**

- 2016 Beringian Standstill Workshop, *Modeling and genetic inference and the Beringian standstill hypothesis*, National Science Foundation - University of Colorado, Boulder, Colorado, United States Presenters/Authors: Kitchen, Andrew

**National**

- 2014 Connections Speaker Series, *Natural history of human infectious disease*, Kirkwood Community College, Cedar Rapids, Iowa, United States
- 2014 Annual Meeting of the Iowa Academy of Sciences, *Understanding the peopling of the Americas: a discourse between an archaeologist and a geneticist*, Fort Dodge, Iowa, United States Presenters/Authors: Kitchen, Andrew, Hill, Matt
- 2013 University of Iowa's International Archaeology Day Program, *Understanding the peopling of the Americas: a discourse between an archaeologist and geneticists*, Archaeological Institute of America, Iowa City, Iowa, United States Presenters/Authors: Kitchen, Andrew, Hill, Matt

**Oral****International**

- 2012 Department of Anthropology, *Molecular Perspectives on Human Evolution and the Evolution of Human Infectious Disease*, Durham University, Durham, United Kingdom
- 2011 School of Biological Sciences, *The emergence and evolutionary dynamics of human pathogens*, University of Queensland, Brisbane, Australia

**National**

- 2015 Oaknoll Retirement Community, *The origin and natural history of human infectious disease*, Iowa City, Iowa, United States Presenters/Authors: Kitchen, Andrew
- 2014 Explorer Series, Museum of Natural History, *Linking pathogen evolution with human history*, University of Iowa, Iowa City, Iowa, United States Presenters/Authors: Kitchen, Andrew
- 2014 Mini Medical School Series, *Genetics provide insights into the history of human infectious disease*, University of Iowa, Iowa City, Iowa, United States
- 2014 Iowa Global Health Conference, *Third army of war: Infectious disease*, University of Iowa, Iowa City, Iowa, United States
- 2014 American Colonization Workshop, *Genetic methods for understanding human population history*, University of Missouri, Columbia, Missouri, United States
- 2014 Iowa City Foreign Relations Council, *The co-evolution of humans and pathogens*, Iowa City, Iowa, United States
- 2010 Department of Anthropology, *Inferring ancient events in human population history*

*from pathogen genetic diversity*, Washington State University, Pullman, Washington, United States

### **Panel**

#### **University**

- 2015 Careers in Human Genetics Day, *From robotic surgery to microbial genomics (and all points inbetween)*, Iowa Institute of Human Genetics, Iowa City, Iowa, United States  
Presenters/Authors: Kitchen, Andrew

### **Paper**

#### **International**

- 2014 14th Congress of the Pan African Archaeological Association for Prehistory and Related Studies, *Dating the pre-history of the Afroasiatic language family*, University of Witwatersrand, Johannesburg, South Africa Peer-Reviewed/Refereed  
Presenters/Authors: Kitchen, Andrew, Ehret, Christopher
- 2013 Paleoamerican Odyssey Conference, *Three stage colonization model for the peopling of the Americas*, Santa Fe, New Mexico, United States Peer-Reviewed/Refereed  
Presenters/Authors: Mulligan, Connie J, Kitchen, Andrew
- 2013 82nd Annual Meeting of the American Association of Physical Anthropologists, *Infectious disease in humans and other primates: origins, dynamics, and evolution*, Knoxville, Tennessee, United States Peer-Reviewed/Refereed  
Presenters/Authors: Kitchen, Andrew, Stone, Anne

#### **National**

- 2014 83rd Annual Meeting of the American Association of Physical Anthropology, *Bayesian analyses of >100 Yemeni mitochondrial genomes and implications for dispersals out of Africa*, Calgary, Canada Peer-Reviewed/Refereed  
Presenters/Authors: Vyas, Deven N, Kitchen, Andrew, Al-Meer, Ali, Mulligan, Connie J
- 2013 82nd Annual Meeting of the American Association of Physical Anthropology, *Revealing the evolutionary dynamics of pathogens in primate populations*, Knoxville, Tennessee, United States Peer-Reviewed/Refereed  
Presenters/Authors: Kitchen, Andrew
- 2012 81st Annual Meeting of the American Association of Physical Anthropology, *The timescale and evolutionary dynamics of Mycobacterium tuberculosis infection in humans*, Portland, Oregon, United States Peer-Reviewed/Refereed  
Presenters/Authors: Kitchen, Andrew, Pepperell, Caitlin S

### **Poster**

#### **National**

- 2014 83rd Annual Meeting of the American Association of Physical Anthropology, *Inferring post-Peopling Amerindian population history from published and synthetic data*, Calgary, Canada Peer-Reviewed/Refereed  
Presenters/Authors: Antrim, Amelia, Jasper, Elizabeth, Kitchen, Andrew
- 2014 83rd Annual Meeting of the American Association of Physical Anthropology, *Testing the limitations of ancient DNA sampling in Bayesian coalescent analysis*, Calgary, Canada Peer-Reviewed/Refereed  
Presenters/Authors: Villanea, Fernando, Kemp, Brian M, Kitchen, Andrew

### **Seminar**

#### **College**

- 2016 *Evolutionary Investigations into the History of Human Infections*, University of Oklahoma - Anthropology, Norman, Oklahoma, United States  
Presenters/Authors: Kitchen, Andrew
- 2015 *Evolutionary genetics reveal the shared history of humans and their pathogens*, Department of Microbiology - University of Iowa, Iowa City, Iowa, United States  
Presenters/Authors: Kitchen, Andrew

#### **International**

- 2011 Tempo and Mode Seminar, *The emergence and evolutionary dynamics of human pathogens*, Australian National University, Canberra, Australia

**National**

- 2013 Molecular Archaeology Group, *On correlating the tempo of pathogen and human evolutionary dynamics*, University of Wisconsin, Madison, Wisconsin, United States
- 2013 University of Florida Genetics Institute Seminar Series, *Attempting to unite the timescale of human and pathogen evolution*, Genetics Institute, University of Florida, Gainesville, Florida, United States
- 2013 Program in Ecology, Evolution, and Conservation, *Parasite and Pathogen Perspectives of Human Evolution*, School of Integrative Biology, University of Illinois, Urbana, Illinois, United States

**Workshop****International**

- 2016 Bertinoro Computational Biology 2016 - Bacterial Genome Evolution, *Attempting to Reveal Interaction of Vector Microbiome on Competency*, Bertinoro International Center for Informatics, Bertinoro, Italy Presenters/Authors: Kitchen, Andrew

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**SERVICE**
**Profession**

- 2012 - Present American Association of Anthropological Genetics, Election Committee, Chair
- 2017 American Journal of Physical Anthropology, 1 manuscript, Reviewer, Publications
- 2017 NSF-Biological Anthropology, Doctoral Dissertation Research Improvement Grant Panel, Reviewer, Grant Proposals
- 2016 American Journal of Physical Anthropology, 1 manuscript, Reviewer, Publications
- 2016 Evolutionary Medicine and Public Health, 1 manuscript, Reviewer, Publications
- 2016 Molecular Biology and Evolution, 2 manuscripts, Reviewer, Publications
- 2016 Science Advances, 1 manuscript, Reviewer, Publications
- 2016 Viruses, 2 manuscripts, Reviewer, Publications
- 2016 NSF-Biological Anthropology, Doctoral Dissertation Research Improvement Grant Panel, Reviewer, Grant Proposals
- 2015 Ecological Anthropology, 1 manuscript, Reviewer, Publications
- 2015 NSF-Biological Anthropology, 1 proposal, Reviewer, Grant Proposals
- 2015 NSF-Dimensions of Biodiversity, 1 proposal, Reviewer, Grant Proposals
- 2015 Phylogenetics and Evolutionary Biology, 1 manuscript, Reviewer, Publications
- 2015 Science Advances, 1 manuscript, Reviewer, Publications
- 2015 Scientific Reports, 2 manuscripts, Reviewer, Publications
- 2015 Viruses, 1 manuscript, Reviewer, Publications
- 2014 ICRU Undergraduate Research Internship, Faculty Mentor
- 2014 American Journal of Physical Anthropology, 3 manuscripts, Reviewer, Publications
- 2014 Human Biology, 1 manuscript, Reviewer, Publications
- 2014 John F. Templeton Foundation, 1 proposal, Reviewer, Grant Proposals
- 2014 Journal of Virology, 1 manuscript, Reviewer, Publications
- 2014 Molecular Biology and Evolution, 1 manuscript, Reviewer, Publications
- 2014 NSF-Biological Anthropology, 1 proposal, Reviewer, Grant Proposals
- 2014 Proceedings of the National Academy of Sciences USA, 1 manuscript, Reviewer, Publications
- 2014 Viruses, 1 manuscript, Reviewer, Publications
- 2014 ICRU Undergraduate Research Internship, Faculty Mentor
- 2014 SROP Undergraduate Research Internship, Faculty Mentor
- 2013 American Anthropologist, 1 manuscript, Reviewer, Publications
- 2013 American Journal of Physical Anthropology, 4 manuscripts, Reviewer, Publications
- 2013 Evolutionary Ecology, 1 manuscript, Reviewer, Publications
- 2013 Genome Biology and Evolution, 1 manuscript, Reviewer, Publications
- 2013 Molecular Biology and Evolution, 1 manuscript, Reviewer, Publications
- 2013 National Geographic Society, 1 proposal, Reviewer, Grant Proposals
- 2013 NSF-Biological Anthropology, 1 proposal, Reviewer, Grant Proposals
- 2013 Royal Society of New Zealand, 1 proposal, Reviewer, Grant Proposals
- 2013 Wiley-Blackwell, 1 proposal, Reviewer, Publications



2013	Iowa Institute of Human Genetics Undergraduate Summer Interns, Faculty Mentor
2012	American Anthropologist, 1 manuscript, Reviewer, Publications
2012	American Journal of Physical Anthropology, 1 manuscript, Reviewer, Publications
2012	Molecular Biology and Evolution, 1 manuscript, Reviewer, Publications
2012	PLoS Genetics, 2 manuscripts, Reviewer, Publications
2011 - 2012	American Association of Anthropological Genetics, Education Committee, Member
2012	American Association of Anthropological Genetics, 81st Annual Meeting of the American Association of Physical Anthropologists, Student Awards Committee, Member
2011	Archives of Virology, 1 manuscript, Reviewer, Publications
2011	BMC Evolutionary Biology, 1 manuscript, Reviewer, Publications
2011	Molecular Biology and Evolution, 3 manuscripts, Reviewer, Publications
2010	American Journal of Physical Anthropology, 2 manuscripts, Reviewer, Publications
2010	Archives of Virology, 1 manuscript, Reviewer, Publications
2010	BMC Evolutionary Biology, 1 manuscript, Reviewer, Publications
2010	Evolutionary Ecology, 1 manuscript, Reviewer, Publications
2010	Molecular Biology and Evolution, 1 manuscript, Reviewer, Publications
2010	PLoS ONE, 1 manuscript, Reviewer, Publications
2009	Archives of Virology, 1 manuscript, Reviewer, Publications
2009	Current Anthropology, 1 manuscript, Reviewer, Publications
2009	Genetica, 1 manuscript, Reviewer, Publications
2009	Molecular Biology and Evolution, 1 manuscript, Reviewer, Publications
2009	Molecular Phylogenetics and Evolution, 1 manuscript, Reviewer, Publications
2008	Infection, Genetics and Evolution, 1 manuscript, Reviewer, Publications
2008	Molecular Biology and Evolution, 1 manuscript, Reviewer, Publications

### Department

2014 - Present	Admissions Committee, Member
2014 - Present	Colloquium Committee, Member
2014 - Present	Website Committee, Chair
2013 - Present	Space Committee, Member
2012 - 2013	Colloquium Committee, Member

### College

2017 - Present	CLAS - Scholarship Committee, Member
2017 - Present	CLAS - Faculty Assembly, Attendee

### University

2012 - Present	Genetics Cluster, Member
2012 - Present	Interdisciplinary Graduate Program in Informatics, Member
2013 - 2015	International Programs, Faculty Fellow
2013	Faculty Engagement Corps, Member

### Community

2017 - Present	Iowa City Darwin Day, Planning Committee, Chair
2014 - 2017	Iowa City Darwin Day, Planning Committee, Member
2017	National History Day, Reviewer, Ad-hoc

### Media Contributions

2017	Internet, ABC News, International Ancient Bacteria Yield Clues for Woman's Dramatic Cause of Death 800 Years Ago; review of 2017 eLife article
2017	Internet, IFL Science!, International Byzantine Skeleton Contains 800-Year-Old DNA From The Infection That Killed Her; review of 2017 eLife paper
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