

## Andrew Kitchen Anthropology

Curriculum Vitae as of 2026 March 2

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### EDUCATION AND PROFESSIONAL HISTORY

#### Post Graduate Education

2008 - 2012      **Postdoctoral 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 (Advisor: Connie J. Mulligan)

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 (Advisor: Edward C. Holmes)

2001              **BS**, Biomedical Engineering, The Johns Hopkins University  
**Supporting Areas / Minor**: Computer Science

#### Professional and Academic Positions

2025 – Present    **Professor**, Department of Anthropology, University of Iowa

2018 – 2025      **Associate Professor**, Department of Anthropology, University of Iowa

2012 – 2018      **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

2025 – 2027      **Collegiate Scholar**, College of Liberal Arts and Sciences, University of Iowa

2002 – 2007      **Alumni Fellowship**, University of Florida; tuition, fees, and a stipend per annum

1997 – 2001      **National Merit Scholar**, The Johns Hopkins University; a per annum stipend

#### Memberships

American Association of Anthropological Genetics  
 American Association of Biological Anthropology

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### TEACHING

#### Courses Taught at the University of Iowa

<b>Term</b>	<b>Course</b>	<b>Title</b>	<b>Final Enrollment</b>
Spring 2026	ANTH:2390	Lab Methods in Biological Anthropology	3*
Spring 2026	ANTH:3015	Independent Study	2*
Spring 2026	ANTH:6010	Research Anthropology	1*
Fall 2025	ANTH:1301	Human Origins	106
Fall 2025	ANTH:2390	Lab Methods in Biological Anthropology	2
Summer 2025	ANTH:6010	Research Anthropology	1
Summer 2025	IGPI:6520	Research for Dissertation	1
Spring 2025	ANTH:2390	Lab Methods in Biological Anthropology	2
Spring 2025	ANTH:3015	Independent Study	1
Spring 2025	ANTH:6005	Independent Study: Anthropology	1
Spring 2025	IGPI:6520	Research for Dissertation	1
Spring 2025	ISA:3992	ISA Undergraduate Research	1
Fall 2024	ANTH:1301	Human Origins	137
Fall 2024	ANTH:2390	Lab Methods in Biological Anthropology	1
Fall 2024	ANTH:3015	Independent Study	2
Fall 2024	ANTH:6005	Independent Study: Anthropology	1
Fall 2024	ISA:3992	ISA Undergraduate Research	1
Fall 2024	IGPI:6520	Research for Dissertation	1
Summer 2024	ANTH:6005	Independent Study: Anthropology	1
Spring 2024	ANTH:2320	Origins of Human Infectious Disease	59
Spring 2024	ANTH:2390	Lab Methods in Biological Anthropology	1
Spring 2024	ANTH:3015	Independent Study	3
Spring 2024	ANTH:6005	Independent Study – Anthropology	1
Spring 2024	ANTH:6015	Thesis	1
Spring 2024	MICR:3150	Eukaryotic Pathogens and Human Disease	31
Fall 2023	ANTH:1301	Human Origins	127
Fall 2023	ANTH:2390	Lab Methods in Biological Anthropology	2
Fall 2023	ANTH:3015	Independent Study	1
Fall 2023	ANTH:4995	Honors Research Seminar	2
Fall 2023	ANTH:6005	Independent Study – Anthropology	1
Fall 2023	ANTH:6015	Thesis	1
Fall 2023	IGPI:6520	Research for Dissertation	1
Spring 2023	ANTH:1301	Human Origins	130

<b>Term</b>	<b>Course</b>	<b>Title</b>	<b>Final Enrollment</b>
Spring 2023	ANTH:3015	Independent Study	1
Spring 2023	ANTH:3328	Molecular Genetics of Human Disease	20
Spring 2023	ANTH:6005	Independent Study – Anthropology	1
Spring 2023	ANTH:6010	Research Anthropology	1
Spring 2023	IGPI:6520	Research for Dissertation	1
Spring 2023	MICR:3150	Eukaryotic Pathogens and Human Disease	24
Spring 2023	MICR:6240	Grad Eukaryotic Pathogens and Human Disease	2
Fall 2022	ANTH:5110	Anthropological Data Analysis	4
Fall 2022	ANTH:3015	Independent Study	1
Fall 2022	ANTH:6005	Independent Study: Anthropology	1
Fall 2022	ANTH:2009	Individual Study	1
Fall 2022	ANTH:1001	Issues in Anthropology – Forensic Anthropology	27
Fall 2022	ANTH:2320	Origins of Human Infectious Disease	76
Fall 2022	ANTH:6010	Research Anthropology	1
Fall 2022	IGPI:6520	Research for Dissertation	1
Spring 2022	MICR:3150	Eukaryotic Pathogens and Human Disease	23
Spring 2022	MICR:6240	Grad Eukaryotic Pathogens and Human Disease	3
Spring 2022	ANTH:1301	Human Origins	111
Spring 2022	ANTH:3015	Independent Study	1
Spring 2022	ANTH:2390	Lab Methods in Biological Anthropology	1
Spring 2022	ANTH:6010	Research Anthropology	1
Spring 2022	IGPI:6520	Research for Dissertation	1
Fall 2021	ANTH:2320	Origins of Human Infectious Disease	66
Fall 2021	IGPI:6520	Research for Dissertation	1
Fall 2021	ANTH:5301	Seminar: Biological Anthropology	4
Fall 2021	URES:3992	Undergraduate Research / Creative Projects	1
Spring 2021	ANTH:5110	Anthropological Data Analysis	6
Spring 2021	ANTH:1301	Human Origins	146
Spring 2021	ANTH:2390	Lab Methods in Biological Anthropology	3
Spring 2021	IGPI:6520	Research for Dissertation	1
Fall 2020	ANTH:6005	Independent Study: Anthropology	1
Fall 2020	ANTH:2320	Origins of Human Infectious Disease	71

<b>Term</b>	<b>Course</b>	<b>Title</b>	<b>Final Enrollment</b>
Fall 2020	IGPI:6520	Research for Dissertation	1
Summer 2020	ANTH:6010	Research Anthropology	1
Spring 2020	IGPI:6520	Research for Dissertation	1
Fall 2019	ANTH:4996	Honors Research	1
Fall 2019	ANTH:3015	Independent Study	1
Fall 2019	ANTH:6005	Independent Study: Anthropology	1
Fall 2019	ANTH:2390	Lab Methods in Biological Anthropology	1
Fall 2019	ANTH:2320	Origins of Human Infectious Disease	74
Fall 2019	ANTH:6010	Research Anthropology	1
Fall 2019	IGPI:6520	Research for Dissertation	1
Fall 2019	ANTH:5301	Seminar: Biological Anthropology	6
Summer 2019	ANTH:6005	Independent Study: Anthropology	1
Spring 2019	ANTH:5110	Anthropological Data Analysis	6
Spring 2019	ANTH:4996	Honors Research	1
Spring 2019	ANTH:3325	Human Evolutionary Genetics	15
Spring 2019	ANTH:3015	Independent Study	2
Spring 2019	ANTH:6005	Independent Study: Anthropology	1
Spring 2019	IGPI:6520	Research for Dissertation	1
Fall 2018	ANTH:3015	Independent Study	3
Fall 2018	ANTH:6005	Independent Study: Anthropology	1
Fall 2018	ANTH:3328	Molecular Genetics of Human Disease	15
Fall 2018	ANTH:2320	Origins of Human Infectious Disease	65
Fall 2018	IGPI:6520	Research for Dissertation	1
Summer 2018	ANTH:6005	Independent Study: Anthropology	1
Spring 2018	ANTH:1301	Human Origins	146
Spring 2018	ANTH:3015	Independent Study	1
Spring 2018	ANTH:2390	Lab Methods in Biological Anthropology	1
Spring 2018	IGPI:6520	Research for Dissertation	1
Spring 2018	ANTH:5301	Seminar: Biological Anthropology	7
Fall 2017	ANTH:3325	Human Evolutionary Genetics	12
Fall 2017	ANTH:2390	Lab Methods in Biological Anthropology	1
Fall 2017	ANTH:2320	Origins of Human Infectious Disease	52
Fall 2017	IGPI:6520	Research for Dissertation	1

<b>Term</b>	<b>Course</b>	<b>Title</b>	<b>Final Enrollment</b>
Spring 2017	ANTH:5110	Anthropological Data Analysis	9
Spring 2017	BIOL:1061	Big Ideas: Evol and Life in the Universe	74
Spring 2017	ANTH:6005	Independent Study: Anthropology	1
Spring 2017	ANTH:2390	Lab Methods in Biological Anthropology	2
Spring 2017	IGPI:6520	Research for Dissertation	1
Fall 2016	ANTH:1301	Human Origins	133
Fall 2016	ANTH:2390	Lab Methods in Biological Anthropology	1
Fall 2016	ANTH:2320	Origins of Human Infectious Disease	42
Fall 2016	IGPI:6520	Research for Dissertation	1
Summer 2016	ANTH:3015	Independent Study	1
Spring 2016	BIOL:1061	Origins of Life in the Universe (Part 2)	77
Spring 2016	IGPI:6520	Research for Dissertation	1
Spring 2016	ANTH:5301	Seminar: Biological Anthropology	9
Spring 2016	MICR:7269	Grad Topics in Viral Biology/Pathogenesis	1
Fall 2015	ANTH:3015	Independent Study	2
Spring 2015	ANTH:3328	Molecular Genetics of Human Disease	6
Spring 2015	ANTH:2320	Origins of Human Infectious Disease	33
Spring 2015	GRAD:7400	Practicum in College Teaching	1
Fall 2014	HONR:3200	Honors Research Practicum	1
Fall 2014	ANTH:3326	Infectious Disease and Human Evolution	19
Spring 2014	113:013	Human Origins	71
Spring 2014	113:183	Independent Study	1
Spring 2014	213:090	Origins of Human Infectious Disease	37
Fall 2013	113:176	Honors Research	1
Fall 2013	213:151	Human Evolutionary Genetics	4
Fall 2013	213:153	Infectious Disease and Human Evolution	10
Spring 2013	113:013	Human Origins	70
Spring 2013	213:090	Origins of Human Infectious Disease	16
Fall 2012	213:151	Human Evolutionary Genetics	16

\*Enrollment numbers are not final

## Innovations in Teaching (Other Teaching Contributions)

### *Outreach Teaching*

- 2023 Co-organizer (with Maurine Neiman and Andrew Forbes) of Senior College course titled ‘Understand Evolution: from Molecules to Ecosystems’ ([https://www.foriowa.org/senior-college/pdfs/Fall\\_2023\\_Courses.pdf](https://www.foriowa.org/senior-college/pdfs/Fall_2023_Courses.pdf))

### *Guest Lecture*

- 2025 Guest lecture for SIED:3164 Intro Global Socioscientific Challenges (instructor: Hyesun You) titled “Origins of Human Infectious Disease”
- 2025 Guest lecture for BME:5010 Seminar in Biomedical Engineering (instructor: Michael Schneiders) titled “From Meat-Eating to Dog Breeding: Genetics and the History of Human Behavior and Ecology”
- 2024 Guest lecture for One Health and Emerging Infectious Disease at The University of Texas Southwestern Medical Center (instructor: Sean Young) titled “Antiquity of Human Pathogens and Ecological Shifts”
- 2023 Guest lecture for BI:191 Forensic Anthropology at Illinois College (instructor: Miranda Karban) titled “Forensic Genetics”
- 2022 Guest lecture in ANTH:1000 A Tour of Biological Anthropology (instructor: Lara Noldner) titled "Genetic Perspectives on Modern Human Origins, Dispersals, and Behaviors"
- 2022 Genetics Cluster Initiative / IIHG Summer MOOC on Human Genetics (organizer: Richard Smith) titled "Identifying Ancient Disease and Health: The Antiquity of Human Infections"
- 2021 Guest lecture in IMMU:7221 Advanced Topics in Immunology (instructor: Mary Wilson) titled “Molecular Phylogenetics”
- 2021 Guest lecture in ANTH:1000 A Tour of Biological Anthropology (instructor: Lara Noldner) titled "Genetic Perspectives on Modern Human Origins, Dispersals, and Behaviors"
- 2021 Genetics Cluster Initiative / IIHG Summer MOOC on Human Genetics (organizer: Richard Smith) titled "Identifying Ancient Disease and Health: The Antiquity of Human Infections"
- 2021 Guest lecture for BI:191 Forensic Anthropology at Illinois College (instructor: Miranda Karban) titled “Forensic Genetics”
- 2020 Guest lecture in ANTH:1000 A Tour of Biological Anthropology (instructor: Lara Noldner) titled "Genetic Perspectives on Modern Human Origins, Dispersals, and Behaviors"
- 2020 Guest lecture in Medical Scientist Training Program (MSTP) at the University of Wisconsin-Madison (instructor: Caitlin Pepperell) titled "Phylodynamics"
- 2020 Genetics Cluster Initiative / IIHG Summer MOOC on Human Genetics (organizer: Richard Smith) titled "Identifying Ancient Disease and Health: The Antiquity of Human Infections"
- 2019 Guest lecture in ANTH:2164 Culture/Healing for Health Professionals (instructor Erica Prussing) titled "Medical Anthropology: A Genetic Approach"
- 2019 Guest lecture in ANTH:1000 A Tour of Biological Anthropology (instructor: Lara Noldner) titled "Genetic Perspectives on Modern Human Origins, Dispersals, and Behaviors"
- 2019 Guest lecture in Secondary Student Training Program (SSTP) (organizer: Charles Netzer) titled "Identifying Ancient Disease and Health: The Antiquity of Human Infections"
- 2019 Iowa Institute of Human Genetics Career Day (organizer: Richard Smith) titled "Potholes to Pandemics (and all points in between)"
- 2019 Genetics Cluster Initiative / IIHG Summer MOOC on Human Genetics (organizer: Richard Smith) titled "Identifying Ancient Disease and Health: The Antiquity of Human Infections"
- 2019 Guest lecture in BIOL:3172 Evolution (instructor: Maurine Neiman and Ana Llopart) titled “Human Evolution 2”

- 2019 Guest lecture in BIOL:3172 Evolution (instructor: Maurine Neiman and Ana Llopart) titled “Human Evolution 1”
- 2019 Guest lecture in ANTH:2164 Culture/Healing for Health Professionals (instructor Erica Prussing) titled “Medical anthropology: A Genetic Approach”
- 2018 Guest lecture in ANTH:3260 Pleistocene Peopling of the Americas (instructor Matt Hill) titled “Genetic Inferences of The Peopling of the Americas” on 13 September 2018.
- 2018 “Phylogeography of Mycobacterium tuberculosis: from empire to the recent rise of multi-drug resistant TB” for rEvo journal club presentation in Biology Department.
- 2018 Guest lecture in the Genetics Cluster Summer Short Course on Genetics titled “Phylogeography of Mycobacterium tuberculosis: from empire to the recent rise of multi-drug resistant TB” on 13 June 2018
- 2018 “Phylogeography of African Taxa” for rEvo journal club presentation in Biology Department, University of Iowa
- 2018 Guest lecture for ANTH:1061 Big Ideas: Evol and Life in the Universe (instructors Andrew Forbes, Russell Ciochon, Mary Kosloski, and Cornelia Lang) titled “Agriculture, Modern Behavior, and Chronic Disease” on 29 March 2018.
- 2018 Guest lecture in EPID:5550 Introduction to Molecular Epidemiology (instructor Wei Bao) titled “Phylogenetic and Coalescent Approaches to Studying the Epidemiology of Infectious Disease” on 21 March 2018
- 2018 Guest lecture in HIST:6002 History Research Methods'(instructor James Giblin) titled “Genetic Approaches to History” on 6 March 2018
- 2018 Guest lecture in BIOL:4373 Molecular Evolution (Instructor John Logsdon) titled “Approximate Bayesian Computation” on 15 February 2018
- 2018 Guest lecture in BIOL:4373 Molecular Evolution (Instructor John Logsdon): “The Coalescent” on 13 February 2018
- 2018 Guest lecture in ANTH 4953: Advanced Topics in Human Evolution at University of Oklahoma titled “Evolutionary History of the Afroasiatic Language Family”
- 2017 Guest lecture in ANTH:2164 Culture/Healing for Health Professionals (instructor Erica Prussing) title “Genetic approaches to medical anthropology”
- 2017 Guest lecture in ANTH:1000 First-Year Seminar: A Tour of Biological Anthropology (instructor Lara Noldner) titled “Genetics and human history”
- 2017 “The Long History of Native Americans and Their Canine Companions” for rEvo journal club presentation in Biology Department, University of Iowa
- 2017 Genetics Cluster Initiative / IIHG Summer MOOC on Human Genetics (organizer: Richard Smith) titled "Identifying Ancient Disease and Health: The Antiquity of Human Infections"
- 2017 “Emerging Bugs: Systematic Overestimates of the Age of Bacterial Infections in Humans” for rEvo journal club presentation in Biology Department, University of Iowa
- 2016 Guest lecture in ANTH:3260 Pleistocene Peopling of the Americas (instructor Matt Hill)
- 2016 Guest lecture in MICR:4169 Topics in Viral Biology and Pathogenesis (instructor: Wendy Maury) titled “Phylogenetics, the coalescent, and tree-thinking”
- 2015 Guest lecture in ANTH:1000 First-Year Seminar: A Tour of Biological Anthropology (instructor Lara Noldner) titled “Genetics and human history”
- 2015 Guest lecture in ANTH:2164 Culture/Healing for Health Professionals (instructor Erica Prussing) titled “Genetic approaches to medical anthropology”
- 2015 Guest lecture in ANTH:1061 Origins of Life in the Universe (Part 2) (instructor Andrew Forbes) titled “Human infectious disease”
- 2015 Guest lecture in EPID:5560 Introduction to Molecular Epidemiology (instructor Margaret Chorazy) titled “Phylogenetic and coalescent methods”
- 2015 Guest lecture in BME:2010 Professional Seminar Biomed Engineering (instructor David Wilder) titled “Biomedical engineering and evolutionary biology”

- 2014 Guest lecture in ANTH:1001 Issues in Anthropology: Anthropological Forensics (instructor Miranda Karban) titled “Forensic Genetics”
- 2014 Guest lecture in ANTH:2164 Culture/Healing for Health Professionals (instructor Erica Prussing) titled “Medical Anthropology: A Genetic Approach”
- 2014 Guest lecture in Genes, Culture, and Human Diversity at Washington State University (instructor Brian Kemp) titled “Evolutionary history of the Afroasiatic language family”
- 2014 Guest lecture in ANTH:5301 Seminar Biological Anthropology (instructor Russell Ciochon) titled “Genetic anthropology”
- 2014 Guest lecture in ANTH:5301 Seminar Biological Anthropology (instructor Russell Ciochon) titled “Biological anthropological theory”
- 2014 Guest lecture in 127:173 Computational Genomics (instructor Thomas Casavant) titled “Phylogenetics”
- 2014 Guest lecture in 187:020 Introduction to International Studies (instructor Michael Zmolek) titled “Anthropology as an International Discipline”
- 2013 Guest lecture in 127:173 Computational Genomics (instructor Thomas Casavant) titled “Phylogenetics”
- 2012 Guest lecture in 113:130 Tribes and Chiefdoms of Ancient Europe (instructor Katina Lillios) titled “European genetics and the origins of Indo-European languages”

### Student Mentoring

#### *PhD - Dissertation Committee Chair*

- 2025 – Present Mains, Christine; *Pre-Candidacy*
- 2024 – Present Cross, Mackenzie; *Ph.D. Candidate*
- 2015 – 2025 Wilson, Mary; *Completed*  
(*Current Position: Postdoctoral Researcher in Biological Anthropology Lab, College of Liberal Arts & Sciences, University of Iowa and Professor of Microbiology, Carver College of Medicine, University of Iowa*)
- 2024 – 2025 Johnsen, Danielle; *Withdrawn*
- 2017 – 2024 Thomas, Ariane; *Completed*  
(*Current Position: Postdoctoral Fellow in Dr. Elaine Ostrander’s Lab at the NIH*)

#### *PhD - Dissertation Committee Member*

- 2025 – Present Mulcahy, Clare; *In Process*
- 2025 – Present Saravanakumar, Varshu; *In Process*
- 2025 – Present Steffensen, MaKella; *In Process*
- 2024 – Present Boyle, Miah; *In Process*
- 2024 – Present Weinreich, Christian; *In Process*
- 2022 – Present Derick Juptner; *In Process*
- 2020 – Present Moore, Logan; *In Process*
- 2022 – 2025 Tang, Austin; *Completed*
- 2018 – 2023 Hippee, Alaine; *Completed*

2019 – 2022	Jalinsky, Joseph; <i>Completed</i>
2018 – 2022	Kim, Seungwon; <i>Completed</i>
2017 – 2022	Ward, Anna; <i>Completed</i>
2017 – 2021	Koomar, Tanner; <i>Completed</i>
2016 – 2021	Pettie, Nikale; <i>Completed</i>
2016 – 2020	Woods, Emma; <i>Completed</i>
2015 – 2020	Marks, Tarah; <i>Withdrawn</i>
2015 – 2019	McElroy, Kyle; <i>Completed</i>
2014 – 2019	Capobianco, Paul; <i>Completed</i>
2015 – 2018	Newbury, Elizabeth; <i>Withdrawn</i>
2014 – 2018	Tvedte, Eric; <i>Completed</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 (Washington State University); <i>Completed</i>
2012 – 2016	Karban, Miranda; <i>Completed</i>

***PhD - Directed Individual/Independent Study***

Fall 2022 – Fall 2023	Tang, Austin; <i>Completed</i>
Spring 2017	Kim, Seungwon; <i>Completed</i>

***MA - Master's Thesis Committee Chair***

2022 – 2024	Szymanski, Tristan; <i>Completed</i>
2022 – 2024	Johnsen, Danielle; <i>Completed</i>
2022 – 2024	Cross, Mackenzie; <i>Completed</i>
2018 – 2020	McKinney, Joshua; <i>Completed</i>
2015	Richie, Joshua; <i>Withdrawn</i>

***MA - Master's Thesis Committee Member***

2022 – 2023	Renquist, Wren; <i>Completed</i>
2020 – 2021	Tang, Austin; <i>Completed</i>
2018 – 2020	Moore, Logan; <i>Completed</i>
2016 - 2018	McCracken, Sarah; <i>Completed</i>

***MPH - Master's Thesis Committee Member***

2016 - 2017	Anderson, Bryan; <i>Completed</i>
2015 - 2016	Jasper, Elizabeth; <i>Completed</i>

***MA – Directed Individual/Independent Study***

Fall 2020 Tang, Austin; *Completed*

***Undergraduate - Honors Thesis***

Fall 2019 – Spring 2020 Cross, Mackenzie; *Completed*

Fall 2018 – Spring 2020 Justmann, Meghan; *Withdrawn (from Honors)*

Fall 2013 Jasper, Elizabeth; *Completed*

***Undergraduate – Supervised Research / Directed Individual or Independent Study***

Spring 2026 Ross, Madeline; *In Process*

Spring 2026 Plowman, Catie; *In Process*

Spring 2026 Chose, Lydia; *In Process*

Fall 2025 – Present Meyer, Elsa; *In Process*

Fall 2025 – Present Robinson, Riley; *In Process*

Spring 2023 – Present Seren Castellano; *In Process*

Summer 2025 Blackledge, Ava (Stanford University, CA) [NSF REU]; *Completed*

Spring 2025 Lobo Gonzalez, Valeria; *Completed*

Spring 2025 Samara, Elizabeth; *Completed*

Summer 2024 – Summer 2025 Bharadwaj, Krishna [OUR – Summer/Fall/Spring]; *Completed*

Fall 2023 – Spring 2025 Ford, Rachel; *Completed*

Fall 2022 – Spring 2024 Snyder, Gabriella; *Completed*

Summer 2023 Kaldahl, Thomas (Rice University, TX); *Completed*

Summer 2023 Krishnamoorthy, Prithivi (Ohio State University) [NSF REU]; *Completed*

Summer 2023 - Fall 2023 Bouslog, Chelsea; *Completed*

Fall 2022 Zine, Amy; *Completed*

Summer 2022 Kaldahl, Thomas (Rice University, TX); *Completed*

Summer 2022 Zine, Amy [NSF REU]; *Completed*

Summer 2021 Rumfelt, William (Clemson University) [NSF REU]; *Completed*

Spring 2021 – Spring 2022 Zine, Amy; *Completed*

Spring 2022 Wold, Arthur; *Completed*

Summer 2019 Jongitud, Alex (University of South Carolina – Beaufort) [NSF REU]; *Completed*

Summer 2019 Price, Isiaha (Amherst College, MA) [NSF REU]; *Completed*

Spring 2019 – Spring 2020 Wold, Arthur; *Completed*

Fall 2018 – Spring 2020	Xu, Jiangchun; <i>Completed</i>
Fall 2018 - Spring 2019	Jones, Kayla; <i>Completed</i>
Fall 2018	Meyer, Jeremiah; <i>Completed</i>
Spring 2018	Niles, Michael; <i>Completed</i>
Spring 2017	Ruba, Emily; <i>Completed</i>
Spring 2017	Vo, Tracy; <i>Completed</i>
Fall 2015	Balakrishnan, Anubhav; <i>Completed</i>
Fall 2015	Porter, Allison; <i>Completed</i>
2014 – 2015	Moscatel, Christina [ICRU – Fall/Spring]; <i>Completed</i>
2014	Nielsen, Daniel [ICRU – Summer]; <i>Completed</i>
2014	Rivera-Gonzalez, Joyce (University of Puerto Rico) [Graduate College SROP]; <i>Completed</i>

#### ***Undergraduate - Internship Advisor***

May – July 2024	Spade, Lillian (Luther College) [IIHG Summer Internship]; <i>Completed</i>
May - July 2016	Brennan, John [IIHG Summer Internship]; <i>Completed</i>
May - July 2016	Schiro, Kelly (Iowa State) [IIHG Summer Internship]; <i>Completed</i>
May - August 2013	Antrim, Amelia (Dartmouth College) [IIHG Summer Internship]; <i>Completed</i>
May - August 2013	Jasper, Elizabeth [IIHG Summer Internship]; <i>Completed</i>

#### ***Secondary School Students - Internship Advisor***

June 2025 – July 2025	Lin, Jennifer; Summer Secondary Student Training Program (SSTP) at the University of Iowa.
January 2024 – May 2024	Ford, Zsigmond; Workplace Learning Connection is a program to place high school students in academic labs as interns to develop interests of students in STEM fields
July 2023 – August 2023	Ford, Zsigmond; Workplace Learning Connection is a program to place high school students in academic labs as interns to develop interests of students in STEM fields
June 2022 – August 2022	Ford, Zsigmond; Workplace Learning Connection is a program to place high school students in academic labs as interns to develop interests of students in STEM fields
June 2022 - July 2022	Wu, Samantha; Summer Secondary Student Training Program (SSTP) by the University of Iowa.
June 2022 - July 2022	Yan, Chloe; Summer Secondary Student Training Program (SSTP) by the University of Iowa.
June 2019 - August 2019	Ephraim, Madeline; Workplace Learning Connection is a program

	to place high school students in academic labs as interns to develop interests of students in STEM fields.
June 2019 - August 2019	Holman, Spencer; Workplace Learning Connection is a program to place high school students in academic labs as interns to develop interests of students in STEM fields.
June 2019 - July 2019	Xiao, Alexander; Summer Secondary Student Training Program (SSTP) by the University of Iowa.
August 2018 - November 2018	Foster, Grace; Workplace Learning Connection is a program to place high school students in academic labs as interns to develop interests of students in STEM fields.
June 2018 - August 2018	Brown, Jonathan; Workplace Learning Connection is a program to place high school students in academic labs as interns to develop interests of students in STEM fields.
June 2018 - August 2018	Sami, Sanya; Workplace Learning Connection is a program to place high school students in academic labs as interns to develop interests of students in STEM fields.
June 2017 - August 2017	Bolton, Jillian; Workplace Learning Connection is a program to place high school students in academic labs as interns to develop interests of students in STEM fields.

## Professional Mentoring

### Graduate Student

August - December 2023	Lucas Howser; Anthropology, University of Iowa
August - December 2022	Gurung, Binit; Anthropology, University of Iowa
January - December 2021	Msuya, Jasmin; Anthropology, University of Iowa
August - December 2018	Priola, Victoria; Anthropology, University of Iowa
August - December 2017	Klipowicz, Caleb; Anthropology, University of Iowa

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## SCHOLARSHIP

### Publications

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

### Refereed Articles

1. \*Hippee, A. C., Geib, S. M., Renquist, W., Sim, S. B., Weinrich, C. L., Mueller, N. G., Kitchen, A., Forbes, A. A. (In Press) Evidence from a specialist parasitic insect supports anthropogenic range expansion of cultivated sunchoke (*Helianthus tuberosus*) in the Eastern Agricultural Complex. *Proceedings of the Royal Society of London, Series B*.
2. \*Thomas, A. E., Hill, Jr., M. E., Stricker, L., Lavin, M., Givens, D., de Flamingh, A., Witt, K. E., Malhi, R. S., Kitchen, A. (2024) The dogs of Tsenacomoco: Ancient DNA reveals presence of local dogs at Jamestown Colony in Early Seventeenth Century. *American Antiquity*, 89, 341-359.
3. \*Ciubotariu, I. I., Wilkes, R. P., Kattoor, J. J., Christian, E. N., Carpi, G., Kitchen, A. (2024) Investigating the rise of Omicron variant through genomic surveillance of SARS-CoV-2 infections in a highly vaccinated university population. *Microbial Genomics*, 10(2), 001194
4. \*Kim, S., Carrel, M., Kitchen, A. (2023) Spatial genetic structure of 2009 H1N1 pandemic influenza established as a result of interaction with human populations in mainland China. *PLoS*

- ONE*, 18(5), e0284716.
5. \*Tang, Z., Carrel, M., Koynu, C., Kitchen, A. (2023) How human ecology landscapes shape the circulation of H5N1 avian influenza: a case study in Indonesia. *One Health*, 16, 100537.
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33. \* Kitchen, A., Carpi, G., Holmes, E. C. (2010). The evolutionary dynamics of Bluetongue virus. *Journal of Molecular Evolution*, *70*, 583-592.
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### ***Refereed 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.

### ***Encyclopedia Entry***

1. Kitchen, A. (2018). Bottleneck. W. Trevathan (Ed.), *The International Encyclopedia of Biological Anthropology*. John Wiley and Sons, Inc..
2. Kitchen, A. (2018). Site Frequency Spectrum. W. Trevathan (Ed.), *The International Encyclopedia of Biological Anthropology*. John Wiley and Sons, Inc..

### **Publications In Progress**

#### ***Journal Articles***

- 2026                      *Comparison of antibiotic resistance gene prevalences by host and isolation types in U.S. E. coli isolates*; Tang, Z., Carrel, M., Kitchen, A., Goto, M. [In Review at *One Health Advances*]

- 2026 *Phylogenetic analysis reveals cross-host and regional circulation patterns of Escherichia coli ST131 strains with multidrug resistance genes in the U.S.* Tang, Z., Kitchen, A., Carrel, M. [In Revision for *Infection, Genetics, and Evolution*]
- 2026 *A gene selection analysis of the umami taste receptor encoded by TAS1R1 and TAS1R3 within humans and Pan species;* Cross, M.L., Kitchen, A. [In Prep for *Molecular Biology and Evolution*]
- 2025 *Dogs as Proxies for Past Human Behaviour;* Thomas, A.E., Hill, M.E., Kemp, B.M., Kitchen, A. [In Prep for *Annual Review of Anthropology*]
- 2023 *Bayesian phylogenetic modeling identifies origin and dispersal of Afroasiatic languages;* Kitchen A., Vyas D., Ehret C. [In Prep for *Proceedings of the Royal Society B*]

### 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 to answer exciting evolutionary questions.

I am also interested in these topics:

- 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

#### **Funded**

- Aug 2021 - Dec 2025 *Collaborative Research: Tracking histories of North American crops using the genomes of specialist herbivorous insects #2114296*  
Funded by National Science Foundation. Investigator/s Andrew Kitchen (Principal Investigator), Andrew A Forbes (Co-Principal Investigator), Natalie Mueller (Co-Principal Investigator).  
Funded by National Science Foundation. Award Amount: (\$220,786.00)
- Jul 2019 - Jun 2022 *Anthropology STF Proposal for 2019-2020 STF Proposal #1020-01*  
Funded by University of Iowa - CLAS IT Committee. Investigator/s Matthew E Hill (Collaborator), Andrew Kitchen (Collaborator).
- Jul 2019 - Jun 2020 *Interdisciplinary expansion of a successful community-focused science education program Innovation in Graduate Education Challenge Grant*  
Funded by University of Iowa, Graduate College. Award amount: (\$119,590.00). Investigator/s Maurine Neiman (Collaborator), Andrew A Forbes (Collaborator), Andrew Kitchen (Collaborator), Heather A Saner (Collaborator), Marc Linderman (Collaborator).

#### **Currently Under Review**

- Aug 2025 *REU Site: Engaging Undergraduates in Interdisciplinary Evolutionary Science #2548111*  
Funded by National Science Foundation. Investigator/s John M. Logsdon (Principal Investigator), Andrew Kitchen (Co-Principal Investigator).  
Requested funding: \$465,000 (direct costs: \$440,761); Period of funding: Oct 2025 – Sept 2028. [N.B. – this is a renewal of an existing REU program.]

#### **Not Funded**

- Aug 2024 *REU Site: Engaging Undergraduates in Interdisciplinary Evolutionary Science*

- #2447516  
 Funded by National Science Foundation. Investigator/s John M. Logsdon (Principal Investigator), Andrew Kitchen (Co-Principal Investigator). Requested funding: \$464,448; Period of funding: Oct 2025 – Sept 2028. [N.B. – this is a renewal of an existing REU program.]
- 2021 *Doctoral Dissertation Research: Dogs as biological markers of past human behavior: the effect of human cultural identity on indigenous and European dog populations of North America 2051452*  
 Funded by National Science Foundation. Investigator/s Andrew Kitchen (Principal Investigator), Ariane Thomas (Co-Principal).
- 2021 *A phylogenetic approach to tracking SARS-CoV-2 transmission in group facilities*  
 Funded by Carver Trust. Investigator/s Mary E Wilson (Co-Investigator), Andrew Kitchen (Co-Investigator).
- 2019 *Unearthing “lost” North American crops using signals captured in the genomes of plant-feeding insects 1945706*  
 Funded by National Science Foundation. Percent effort: 4. Investigator/s Andrew Kitchen (Principal Investigator), Andrew A Forbes (Co-Principal).
- 2019 *Love (or ecological character displacement) will tear us apart again. Do interactions with congeners strengthen reproductive isolation during host-shift speciation? 1946440*  
 Funded by National Science Foundation. Percent effort: 4. Investigator/s Andrew A Forbes (Principal Investigator), Andrew Kitchen (Co-Principal).
- 2018 *Uncovering lost histories of domesticated plants using genomes of their specialist insect herbivores 1854352*  
 Funded by National Science Foundation. Award amount: (\$0.00). Investigator/s Andrew A Forbes (Co-Principal), Andrew Kitchen (Co-Principal).
- 2017 *Anthropology STF Proposal for 2017-2018 STF Proposal #1020-81*  
 Funded by University of Iowa - CLAS IT Committee. Investigator/s Andrew A Kitchen (Senior Personnel), Matthew E Hill (Supporting).
- 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. 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.

### **Notes About Grants**

I am not the only member of my research group who applies for internal and external funding. In particular, my graduate students apply for many grants and have a record of success. For example, graduate students in my lab have successfully procured funding from the Wenner-Gren Foundation (e.g., Ariane Thomas, Dissertation Fieldwork Grant, 2022) and the National Science Foundation (e.g., Mackenzie Cross, GRFP Award, 2024). Members of the group regularly pursue funding for graduate student work.

## Invited Lectures and Conference Presentations

### *University – Colloquium / Seminar / Invited Lectures*

- 2023 *Phylogenetic identification of pathogen origins across time and space*, Department of Microbiology, University of Iowa; Presenter: Kitchen, Andrew
- 2023 *The human geography of viruses*, Department of Anthropology, University of Iowa; Presenter: Kitchen, Andrew
- 2022 *Tracking SARS-CoV-2 into, out of, and around the United States*, Global Health Seminar, Carver College of Medicine, University of Iowa; Presenter: Kitchen, Andrew
- 2022 *From Epigenetics to Ethics: Anthropological Genetics*, Innovation, Business, and Law Center Speaker Series: The Legal and Social Implications of Genetic Technologies, College of Law, University of Iowa; Presenter: Kitchen, Andrew.
- 2022 *Genetic Perspectives on Modern Human Origins, Dispersals, and Behaviors*; Personal Genetics Learning Center, University of Iowa; Presenter: Kitchen, Andrew
- 2016 *Evolutionary Investigations into the History of Human Infections*, Genetics Cluster Initiative, Iowa Institute of Human Genetics, University of Iowa; Presenter: Kitchen, Andrew
- 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
- 2015 *Evolutionary genetics reveal the shared history of humans and their pathogens*, Department of Microbiology, University of Iowa; Presenter: 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

### *State – Colloquium / Seminar / Invited Lectures*

- 2018 *Searching for Native American Dogs*, Archaeological Institute of America, Iowa City, Iowa, United States Presenters/Authors: Kitchen, Andrew
- 2017 *Archaic Ancestry*, DNA Interest Group - Iowa City, Iowa City, Iowa, United States Presenters/Authors: Kitchen, Andrew
- 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
- 2014 *Iowa City Foreign Relations Council, The co-evolution of humans and pathogens*, Iowa City, Iowa, United States
- 2015 *Oaknoll Retirement Community, The origin and natural history of human infectious disease*, Iowa City, Iowa, United States Presenters/Authors: Kitchen, Andrew
- 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

### *National – Colloquium / Seminar / Invited Lectures*

- 2020 *PhyloDnYmacs*, University of Wisconsin-Madison MSTP Program, Madison,

- Wisconsin, United States Presenters/Authors: Kitchen, Andrew
- 2016 *Evolutionary Investigations into the History of Human Infections*, University of Oklahoma – Anthropology; Norman, Oklahoma, United States; Presenter: Kitchen, Andrew
- 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
- 2010 Department of Anthropology, *Inferring ancient events in human population history from pathogen genetic diversity*, Washington State University, Pullman, Washington, United States

***International – Colloquium / Seminar / Invited Lecture***

- 2026 *Human-Associated Genomes*, PaleoBarn Group Meeting, University of Oxford, Oxford, United Kingdom; Presenters/Authors: Kitchen, Andrew
- 2024 *The Evolutionary Context of Clothing: Implications from the Evolution of Human Lice*, Stone Age History of Clothing, 17<sup>th</sup> Archaeological Conference of Central Germany, State Office for Heritage Management and Archaeology in Saxony-Anhalt; Halle (Salle), Germany; 25-28 September 2024; Presenter: Kitchen, Andrew
- 2016 *Modeling and genetic inference and the Beringian standstill hypothesis*, Beringian Standstill Workshop, National Science Foundation; University of Colorado, Boulder, Colorado, United States; Presenter: Kitchen, Andrew
- 2014 American Colonization Workshop, *Genetic methods for understanding human population history*, University of Missouri, Columbia, Missouri, United States
- 2012 *Molecular Perspectives on Human Evolution and the Evolution of Human Infectious Disease*, Department of Anthropology, Durham University, Durham, United Kingdom; Presenter: Kitchen, Andrew
- 2011 *The emergence and evolutionary dynamics of human pathogens*, School of Biological Sciences, University of Queensland, Brisbane, Australia; Presenter: Kitchen, Andrew
- 2011 *The emergence and evolutionary dynamics of human pathogens*, Tempo and Mode Seminar, Australian National University, Canberra, Australia; Presenter: Kitchen, Andrew

***International – Paper (Peer Reviewed)***

- 2026 95<sup>th</sup> Annual Meeting of the American Association of Biological Anthropology, **TITLE**, Peer-Reviewed/Refereed. Presenters/Authors: Kitchen A
- 2026 95<sup>th</sup> Annual Meeting of the American Association of Biological Anthropology, **TITLE**, Peer-Reviewed/Refereed. Presenters/Authors: **Hippee A, Kitchen A, Forbes AA**
- 2025 94<sup>th</sup> Annual Meeting of the American Association of Biological Anthropology, *Re-evaluating humans' evolutionary relationship with meat through a gene selection analysis of the umami taste receptor*, Baltimore, Maryland, United States. Peer-Reviewed/Refereed. Presenters/Authors: Cross ML, Kitchen A.
- 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-Meerri, Ali, Mulligan, Connie J
- 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
- 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

#### ***International - Workshop***

- 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

#### ***International – Poster (Peer Reviewed)***

- 2025 94<sup>th</sup> Annual Meeting of the American Association of Biological Anthropology, *Parasitic insect genomes provide insight into the expansion of the Eastern Agricultural Complex in North America*, Baltimore, Maryland, United States. Peer-Reviewed/Refereed. Presenters/Authors: Kitchen A, Hippee AC, Mueller NG, Forbes AA.
- 2024 93<sup>rd</sup> Annual Meeting of the American Association of Biological Anthropology, *A gene selection analysis of the umami taste receptor encoded by TAS1R1 and TAS1R3 within humans and Pan species*, Los Angeles, California, United States. Peer-Reviewed/Refereed. Presenters/Authors: Cross M.L., Kitchen A.
- 2022 87th Annual Meeting of the Society of American Archaeologists, *Ancient DNA evidence suggests dogs as commodities of exchange at Jamestown Colony*, Chicago, Illinois, United States. Peer-Reviewed/Refereed. Presenters/Authors: Thomas A.E., de Flamingh A., Witt K.E., Hill M.E., Malhi R.S., Kitchen A.
- 2022 91st Annual Meeting of the American Association of Biological Anthropology, *Ancient dog mitochondrial lineages indigenous to North America recovered from Jamestown Colony*, Denver, Colorado, United States. Peer-Reviewed/Refereed. Presenters/Authors: Thomas A.E., de Flamingh A., Witt K.E., Hill M.E., Malhi R.S., Kitchen A.
- 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

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**SERVICE**
**Profession**

2026 NSF\*, Senior Award Grant Panel, Reviewer, Grants  
 2025 – 2026 American Association of Anthropological Genetics, Vice President  
 2025 Promotion Review, External Letter Writer (R2 U.S. University)  
 2025 Proceedings of the Royal Society B, 1 manuscript, Reviewer, Publications  
 2024 Proceedings of the Royal Society B, 1 manuscript, Reviewer, Publications  
 2024 Wellcome Open Research, 1 manuscript, Reviewer, Publications  
 2023 NSF\*, Senior Award Grant Panel, Reviewer, Grants  
 2012 - 2021 American Association of Anthropological Genetics, Election Committee, Chair  
 2021 Genome Biology and Evolution, 1 manuscript, Reviewer, Publications  
 2021 NSF\*, 1 Senior Award proposal, Reviewer, Grants  
 2020 Acta Tropica, 1 manuscript, Reviewer, Publications  
 2020 NSF\*, 1 Senior Award proposal, Reviewer, Grants  
 2020 Philosophical Transactions of the Royal Society - Series B, 2 manuscripts, Reviewer, Publications  
 2020 Proceedings of the National Academy of Sciences USA, 1 manuscript, Reviewer, Publications  
 2020 Viruses, 1 manuscript, Reviewer, Publications  
 2019 NSF\*, Doctoral Dissertation Research Improvement Grant Panel, Reviewer, Grants  
 2018 NSF\*, Doctoral Dissertation Research Improvement Grant Panel, Reviewer, Grants  
 2018 NSF\*, Doctoral Dissertation Research Improvement Grant Panel, Reviewer, Grants  
 2017 American Journal of Physical Anthropology, 1 manuscript, Reviewer, Publications  
 2017 The Leakey Foundation, 1 grant proposal, Reviewer, Grant Proposals  
 2017 NSF\*, Doctoral Dissertation Research Improvement Grant Panel, Reviewer, Grants  
 2017 NSF\*, Doctoral Dissertation Research Improvement Grant Panel, Reviewer, Grants  
 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\*, Doctoral Dissertation Research Improvement Grant Panel, Reviewer, Grants  
 2015 Ecological Anthropology, 1 manuscript, Reviewer, Publications  
 2015 NSF\*, 1 Senior Award proposal, Reviewer, Grants  
 2015 NSF\*, 1 Senior Award proposal, Reviewer, Grants  
 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 Major Award proposal, Reviewer, Grants  
 2014 Journal of Virology, 1 manuscript, Reviewer, Publications  
 2014 Molecular Biology and Evolution, 1 manuscript, Reviewer, Publications  
 2014 NSF\*, 1 Senior Award proposal, Reviewer, Grants  
 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 Explorer Grant proposal, Reviewer, Grants
2013	NSF*, 1 Senior Award proposal, Reviewer, Grants
2013	Royal Society of New Zealand, 1 Marsden Fund Award proposal, Reviewer, Grants
2013	Wiley-Blackwell, 1 book 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

\* = I have reviewed for several NSF programs

### Department

2024 – Present	Departmental DEO (Chair)
2023 – 2024	Curriculum Coordinator
2023 – 2024	Director of Undergraduate Studies
2022 – 2024	Website Coordinator
2022 – 2023	Curriculum Review Committee, Member
2021 – Present	Graduate Admissions Committee, Member
2022	Lara Noldner Promotion Review Committee, Chair
2021 – 2022	Graduate Program Assessment Committee, Member
2019 – 2020	Fiftieth Anniversary and Colloquium Committee, Member
2014 – 2019	Colloquium Committee, Member

2019	Diversity Committee, Member
2018 - 2019	Colloquium Committee, Chair
2014 - 2019	Admissions Committee, Member
2014 - 2019	Website Committee, Chair
2013 - 2019	Space Committee, Member
2012 - 2013	Colloquium Committee, Member

### College

2024 – Present	CLAS – Graduate Education Policy Committee, Member
2024	CLAS – Department of Biology Review Committee
2023	CLAS – College IT Director Search Committee, Member
2022 – 2023	CLAS – Ad Hoc Taskforce Committee, Member
2019 – 2022	CLAS – Information Technologies Committee, Member
2019 – 2022	CLAS – Undergraduate Educational Policy and Curriculum Committee, Member
2017 – 2020	CLAS – Scholarship Committee, Member
2019	CLAS – Interdisciplinary Programs Review Committee, Member
2018 - 2019	CLAS – Faculty Assembly, Attendee
2017	CLAS – Faculty Assembly, Attendee

### University

2024 – Present	Presidential Committee on Athletics, Member
2025 – 2026	Ideas Lab: Reducing Iowa’s Cancer Risk through Novel Collaborations, Organizing Committee, Member
2020 – 2023	Faculty Senate, Member
2018	Nathan Holten Tenure Committee, Member (University of Iowa, College of Dentistry)
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, Co-Chair
2014 - 2017	Iowa City Darwin Day, Planning Committee, Member
2017	DNA Interest Group, Guest Speaker, I gave a talk on 'Archaic Admixture' at the monthly meeting of the Iowa City DNA Interest Group, founded and chaired by Bryant McAllister in the Department of Biology.
2017	National History Day, Reviewer, Ad-hoc

### Media Contributions

2024	<i>The New York Times</i> , Famine Drove Jamestown Settlers to Eat Native Dogs, DNA Reveals. 2024 June 29. This article reviewed research performed with Ariane Thomas and Matt Hill into the ancient DNA of dog remains from the 17 <sup>th</sup> century English colony of Jamestown after it was published in <i>American Antiquity</i> .
2023	<i>The Daily Iowan</i> , UI researchers find Indigenous dog lineages at Jamestown. 2023 January 25. This article reviewed research performed with Ariane Thomas and Matt Hill into the ancient DNA of dog remains from the 17 <sup>th</sup> century English colony of Jamestown.
2023	<i>USA Today</i> , Remains of ancient, Indigenous dogs found at Jamestown, as well as proof people at them. 2023 January 4. This article reviewed research performed with Ariane

- Thomas and Matt Hill into the ancient DNA of dog remains from the 17<sup>th</sup> century English colony of Jamestown.
- 2022 *Washington Post*, Bones of ancient native dogs found at Jamestown. 2022 December 29. This article reviewed research performed with Ariane Thomas and Matt Hill into the ancient DNA of dog remains from the 17<sup>th</sup> century English colony of Jamestown.
- 2022 *Science*, Jamestown colonists may have kept, eaten indigenous American dogs. 2022 March 31. This article reviewed research performed with Ariane Thomas and Matt Hill into the ancient DNA of dog remains from the 17<sup>th</sup> century English colony of Jamestown.
- 2017 Magazine, Proceedings of the National Academy of Science of the U S A, International I commented for a review of the model for the peopling of the Americas ten years after the publication of key articles (including two of mine) suggesting people stopped in Beringia before entering North America.
- 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, Canadian Broadcasting Corporation (CBC) News, International How pregnant woman, unborn son died in ancient city of Troy: McMaster scientists; review of 2017 eLife paper
- 2017 Internet, FOX News, International Bones unearthed near ancient city of Troy yield clues of deadly infection; review of 2017 eLife paper
- 2017 Internet, IFL Science!, International Byzantine Skeleton Contains 800-Year-Old DNA From The Infection That Killed Her; review of 2017 eLife paper
- 2017 Internet, International Business Times, International Mysterious nodules on 800-year-old skeleton from Troy contain intact DNA of deadly bacteria; review of 2017 eLife paper
- 2017 Newspaper, The Daily Mirror, International Killer 'ghost cells' of Ancient Troy revealed as archeologists discover nodules on 800-year-old skeleton containing fossilised deadly bacteria; review of 2017 eLife paper
- 2017 Newspaper, The Globe and Mail, International McMaster scientists unearth infection evidence in 13th-century Troy bones; review of 2017 eLife paper
- 2017 Newspaper, The Daily Mail, International The 'ghost cells' of Troy: 800 year old skeleton with mysterious nodules allowed researchers to reconstruct ancient bacteria; review of 2017 eLife paper
- 2017 Newspaper, Milwaukee-Wisconsin Journal Sentinel, National UW researcher unlocks story of 800-year-old skeleton; review of 2017 eLife paper
- 2015 Newspaper, ScienceDaily Study of ancient dogs in Americas yields insights into human, dog, migration; work referenced and named
- 2014 Radio, River to River on Iowa Public Radio Guest concerning 45,000-year-old human genome
- 2013 Newspaper, ScienceNews Quoted
- 2013 Radio, University of Iowa WorldCanvass program Understanding the World through Genetics and New Technologies, Guest
- 2012 Radio, Friday Science Hour KRUI (89.7 FM), Guest
- 2012 Magazine, Nature Genetics Editorial

- 2012 Genomes against parasites, work referenced  
Magazine, Nature Genetics News and View
- 2012 The emergence and spread of dysentery, work reference  
Newspaper, Washington Post  
Quoted

**Professional Development Activities**

- 2019 Training/Development Program, "Entering Mentoring" mentoring training seminar, Iowa  
Mentoring Academy & Iowa Biosciences Academy