India A. Schneider-Crease
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Arizona State University
Life Science C, 427 East Tyler Mall
Tempe, Arizona, 85281

CURRENT POSITION

2022-*present* Assistant Professor in Global Health, School of Human Evolution and Social Change, Center for Evolution and Medicine, Arizona State University

AFFILIATE POSITIONS

2024-*present* Faculty, Department of Anthropology, Wollo University, Dessie, Ethiopia

2023-*present* Senior Global Futures Scientist, Jo Ann Wrigley Global Futures Laboratory, Arizona State University

PREVIOUS POSITIONS

2020-2022 Postdoctoral Researcher, Center for Evolution and Medicine, Arizona State University

2017-2019 NSF Postdoctoral Scholar, Department of Anthropology, Stony Brook University & Department of Psychology, University of Washington

EDUCATION

Ph.D., Evolutionary Anthropology, Duke University (2017)

B.A., Philosophy, French Language and Literature, Stony Brook University, *summa cum laude* (2009)

RESEARCH FUNDING

2025 The Leakey Foundation, Senior Research Grant ($30,000), Co-PI

2024 Arizona State University Institute for Social Science Research ($8,000); PI

2024 The Leakey Foundation, Project Sponsorship ($15,100); PI

2022 The Leakey Foundation, Research Field Site Grant ($25,000); PI

2021 The Carter Center Guinea Worm Eradication Program pilot funding ($18,000); PI

2021 The Leakey Foundation, Research Field Site Grant ($25,000); PI

2020 Arizona State University, Center for Evolution and Medicine Postdoctoral Research Fellowship ($140,000, PI)

2017 National Science Foundation, Directorate for Social, Behavioral, and Economic Sciences Postdoctoral Research Fellowship ($130,000, PI)

2018 University of Washington Postdoctoral Awards ($1200); PI

2018 The Leakey Foundation Research Grant ($25,000); PI

2016 Primate Conservation, Inc. ($2,900); PI

2015 Duke Department of Evolutionary Anthropology Graduate Mentorship Award ($1000); PI

2014 Nacey Maggioncalda Foundation ($3000); PI

2014 Margot Marsh Biodiversity Foundation ($10,000); PI

2013 Primate Action Fund, Conservation, Inc. ($3,000); PI

2013 Duke Department of Evolutionary Anthropology Internal Graduate Award ($700); PI

2012 Duke Department of Evolutionary Anthropology Graduate Mentorship Award ($2,000); PI

2012 National Science Foundation, Graduate Research Fellowship ($130,000, 3 years); PI

CONSERVATION FUNDING

2024 Beagle Charitable Foundation ($20,000); PI

2023 Beagle Charitable Foundation ($20,000); PI

2023 Rapid Response Facility ($40,000); PI

2021 Beagle Charitable Foundation ($15,000); PI

2019 Natural Habitat Adventures- World Wildlife Federation Partnership ($5,500); PI

FIELD SITE DIRECTORSHIP & GLOBAL LEADERSHIP

2022-*present* Co-Director, Simien Mountains Gelada Research Project (Simien Mountains National Park, Ethiopia)

2020-*present* Co-Director & Founder, Zelaki Project (Arizona State University, USA; Addis Ababa College of Technology & the Built Environment, Ethiopia)

2019-*present* Co-Director, Kasanka Baboon Project (Kasanka National Park, Zambia)

MANUSCRIPTS—SUBMITTED & UNDER REVIEW

^denotes undergraduate/graduate student mentee

*denotes senior authorship

°denotes corresponding author

(27) **Schneider-Crease, I.A.**°, Mesfin, G., Farah, A.^, Chiou, K.L., Verma, M.^, Lenfesty, H., Dernauw, V., Abuna Kurra, F. Emerging *Taenia solium* risk in a country with a strong pork taboo. *Submitted.*

(26) Mekonone, S.T., Ambelu, A., Gzate, Y., Beju, Y.Z., Abebe, M., Wubete, W., **Schneider-Crease, I.A.**, Wassie, A.B. Multi-objective optimization of mixing and pressing parameters of charcoal briquette production from municipal solid waste. *In review*, *Ren Energy*

(25) Feder, J.,...**Schneider-Crease, I.A.**,...Silk, J. Disparate social structures are underpinned by distinct social rules across a primate radiation. *In review, PNAS*

(24) Scott, B.R., Ayele, F., Lemma, A., Moges, A., Abebe, B,, Greenier, A., Slikas, E., Blackwell, M., Becker, K., Stoltzmann, M., Sadoughi, B., Johann, A., Brüning, N., Haile, A.A., Kebede, F., Joka, F.R., Guarracino, A., Mekonnen, A., Hindle, A., Beehner, J.C., **Schneider-Crease, I.A.**, Lu, A., Bergman, T.J., Chiou, K.L., Snyder-Mackler, N. Genomic and cytogenic evidence for divergence and speciation in geladas. *In review, Genome Bio*

(23) Syed, Z.^, Betelie, A.A., Melkamu, L., Haile, A.A., Abebe, B., Mekonone, S.T., Workneh, A., Karasik, R., Stewart, C., Olson, L., Assegued, A.T. ^, Barnett, C.R. ^, Koehler, J. ^, Norkus, T. ^, Sheard, E. ^, Tefera, K. ^, Westby, A. ^, Woldegabriel, M.B. ^, Asrat, S., Eglen, T., **Schneider-Crease, I.A.***° The Zelaki Project: a One Health model for tackling plastic pollution through experiential learning. *In review, CABI One Health*.

(22) Saroff, M.J.^, Haile, A.A., Baniel, A., Kraberger, S., Regney, M., Balázs Harrach, B., Kaján, G.L, Lu, A., Beehner, J.C., Bergman, T.J., Snyder-Mackler, N., Varsani, A., **Schneider-Crease, I.A.***° Early-life infection dynamics and genomic diversity of adenoviruses in a wild primate (*Theropithecus gelada*). *In review, Microb Genom.*

PEER-REVIEWED PUBLICATIONS

^denotes undergraduate/graduate student mentee

*denotes senior authorship

°denotes corresponding author

(21) **Schneider-Crease, I.A.**°, Moya, I.L.^, Chiou, K.L., Baniel, A., Azanaw, A.H., Kebede, F., Abebe, B., Lu, A., Bergman, T.J., Snyder-Mackler, N., Varsani, A. Intestivirid acquisition increases across infancy in a wild primate. (2025). *Mol Ecol.* https://doi.org/10.1111/mec.17801

(20) Longtin, A., Watowich, M.M.,… **Schneider-Crease, I. A.**, Snyder-Mackler, N., Jones, A., Bick, A.G., Lea, A.L. Cost-effective solutions for high-throughput enzymatic DNA methylation sequencing. (2025) *PLoS Genetics*.

(19) Weyher, A.H., Katinta, M., Mubemba, B., Petersdorf, M., Kamilar, J.M., **Schneider-Crease, I.A.*°**, Chiou, K.L. A friendlier "kinda" social system: male Kinda baboons invest in long-term social bonds with females. (2025). *Am J Biol Anthropol*. *186*(1), e25056

(18) Feder, J., **Schneider-Crease, I.A.,** Beehner, J.C., Bergman, T.J., Seyfarth, R., Silk, J., Snyder-Macker, N., Lu, A. (2025) Reproductive aging patterns in chacma baboons and geladas. *R Soc Open Sci. 12*(1), 241210.

(17) Jarvey, J.C.^, Lowe, B.S., Chiou, K.L, Azanaw, A.H., Lu, A., Snyder-Mackler, N., Bergman, T.J., Beehner, J.C., **Schneider-Crease, I.A.*°** (2024). Dominant females exploit foraging effort of lower-ranking females for seasonally desirable resources. *Behav Ecol*; arad079, https://doi.org/10.1093/beheco/arad079

(16) Watowich, M., Chiou, K.L., Graves, B., Montague, M., Brent, L., Higham, J., Horvath, J., Lu, A., Martinez, M., Platt, M., **Schneider-Crease, I.A.**, Lea, A.J., Snyder-Mackler, N. (2023). Best practices for genotype imputation from low-coverage sequencing data in natural populations. *Mol Ecol Resour*; 2023;00:1–13. 10.1111/1755-0998.13854

(15) Delacey, P.M, Sen, S., **Schneider-Crease, I.A.**, Chiou, K.L., Lemma, A., Ayele, F., Haile, A.A., Lu, A., Bergman, T.J., Snyder-Mackler, N. (2023).Vascularization underlies differences in sexually selected skin coloration in a wild primate. *Mol Ecol*;*00:1–11.* https://doi.org/10.1111/mec.17026

(14) **Schneider-Crease, I.A.**°, Feder, J.A., Baniel, A., McCann, C., Azanaw, A.H., Abebe, B., Fitzgerald, F.^,… Snyder-Mackler, N., Lu, A. (2022). Urinary neopterin reflects lifetime variation in innate immunity, helminth-induced immunomodulation, and microbiome diversity in a wild primate. *Sci Rep*, *12(1): 21307*. https://doi.org/10.1038/s41598-022-25298-9

(13) **Schneider-Crease, I.A.**°, Chiou, K.L., Moya, I.L.^, Lemma, A., Ayele, F., Azanaw, A.H., Kebede, F., Abebe, B., Bergman, T.J., Beehner, J.C., Lu, A., Lund, M.C., Custer, J.M., Kraberger, S., Snyder-Mackler, N., Varsani, A. (2022). Novel statovirus identified in fecal samples from wild geladas in the Ethiopian highlands*, Arch Virol*. https://doi.org/10.1007/s00705-022-05588-3

(12) **Schneider-Crease, I. A**.°, Weyher, A. H., Mubemba, B., Kamilar, J. M., Petersdorf, M., & Chiou, K. L. (2022). Stronger maternal social bonds and higher rank are associated with accelerated infant maturation in Kinda baboons. *Anim Behav*, *189*, 47-57.

(11) Chiou, K. L., Janiak, M. C., **Schneider-Crease, I. A.**, Sen, S., Ayele, F., Chuma, I. S., ... & Snyder-Mackler, N. (2022). Genomic signatures of high-altitude adaptation and chromosomal polymorphism in geladas. *Nature Ecol & Evol*, 1-14.

(10) Delacey, P.M., Perlman, R.F., Sen, S., **Schneider-Crease, I.A**, Chiou, K.L., Lemma, A., Ayele, F., Higham, J.P., Lu, A., Snyder-Mackler, N., Beehner, J.C., Bergman, T.J. (2022) Assessing male gelada chest patches: color measurement and physiological mechanisms. *Mamm Biol,* 1-13

(9) **Schneider-Crease, I.A.**°, Blackwell, A.D., Kraft, T.S., Emery Thompson, M., Maldonado Suarez, I., Cummings, D.K., Stieglitz, J., Kaplan, H., Snyder-Mackler, N., Gurven, M., Trumble, B.C. (2021). Helminth Parasitism Inhibits Cytokine Responses to Viral and Bacterial Stimulations in a Subsistence Population in Bolivia. *Evol. Med. Public Health*. *9*(1)*;* https://doi.org/10.1093/emph/eoab035.

(8) **Schneider-Crease, I.**°, Beehner, J.C., Bergman, T.J., Gomery, M.A., Koklic, L.^, Lu, A., Snyder-Mackler, N. (2020). Ecology eclipses phylogeny as a major driver of nematode parasite community structure in a graminivorous primate. *Funct Ecol*. doi:10.1111/1365-2435.13603

(7) Trumble, B.C., **Schneider-Crease, I.** (2020). Chronic Diseases of Aging in an Evolutionary Context. *Evol, Med, Pub Health*. eoaa013, https://doi.org/10.1093/emph/eoaa013.

(6) **Schneider-Crease, I**.°, Chiou, K.L., Snyder-Mackler, N., Beehner, J.C., Bergman, T.J, Lu, A. (2020). Beyond infant death: the hidden costs of infanticide in geladas (*Theropithecus gelada*). *Anim Behav, 59*: 89-95.

(5) Lu, A., Petrullo, L. Carrera, S., Feder, J., **Schneider-Crease, I.,** Snyder-Mackler, N. (2019). Developmental Responses to Early Life Adversity: Evolutionary and Mechanistic Perspectives. *Evol Anthropol*, doi.org/10.1002/evan.21791.

(4) Miller, I.F., **Schneider-Crease, I**, Nunn, C.L., Muehlenbein, M.P. (2018). Estimating infection prevalence: best practices and their theoretical underpinnings. *Ecol & Evol*, *8,* 6738-6747.

(3) **Schneider-Crease, I**.°, Griffin, R.H., Gomery, M.A., Dorny, P., Noh, J.C., Handali, S., Chastain, H., Wilkins, P.P., Nunn, C.L., Beehner, J.C., Bergman, T.J. (2017). Identifying wildlife reservoirs of neglected taeniid tapeworms: Non-invasive diagnosis of endemic *Taenia serialis* infection in a wild primate population. *PLoS Negl Trop Dis*, *11*(7), e0005709.

(2) **Schneider-Crease, I**.°, Griffin, R.H., Gomery, M.A., Bergman, T.J., Beehner, J.C. (2017). High mortality associated with tapeworm parasitism in geladas (*Theropithecus gelada*) in the Simien Mountains National Park, Ethiopia. *Am J Primatol*, *79*(9), e22684.

(1) **Schneider-Crease, I**.°, Snyder-Mackler, N., Jarvey, J.C., Bergman, T.J. (2013). Molecular identification of *Taenia serialis* coenurosis in a wild Ethiopian gelada *(Theropithecus gelada*). *Vet Parasitol*, *198,* 240-243.

BOOK CHAPTERS

Schneider-Crease, I. (2020). Larval Tapeworm Infections in Primates: Coenurosis, Cysticercosis, and Echinococcosis. In: Neglected Diseases of Monkeys: From the Monkey-Human interface to One Health, Eds: S. Knauf & L. Jones-Engel. (pp. 323-342). Springer.

SELECTED KEYNOTE LECTURES, INVITED TALKS, & SEMINARS

- "Integrating research, conservation, and education", Yorkshire Wildlife Park, United Kingdom.
- "Zoonoses in endemic Ethiopian mammals", Keynote Speaker. Global Institute for Science and Technological Advancement (GISTA), Ministry of Science and Technology, Addis Ababa, Ethiopia. *Virtual*. 2025
- "One Health in Ethiopia: zoonoses in domestic & wild animals", Keynote Speaker. International Health Research Conference & Exhibition. College of Medicine & Health Sciences, Wollo University, Dessie, Ethiopia. *Virtual*. 2025
- "Zelaki Project: One Health approach to mitigating the impact of plastic bottle pollution on human and animal communities", Addis Ababa University, College of Technology and the Built Environment, Addis Ababa, Ethiopia, 2025. With ASU and AAU students
- "One Health approach to tapeworms in Ethiopian mammals", Addis Ababa University College of Veterinary Medicine, Bishoftu, Ethiopia, 2025
- "Data-based approaches for monitoring conservation interventions". Interactive seminar series for Ethiopian Wildlife Conservation Authority, with the Duke University Plastic Pollution Working Group. *Virtual*. 2024
- "Ecological dimensions of zoonotic emergence in natural systems" Integrative Biology Seminar Series, Michigan State University, East Lansing, MI. *Virtual*. 2023
- "One Health Approaches to Zoonoses: tapeworms, viruses, and Guinea worm in primates." North Carolina State University College of Veterinary Medicine, Raleigh, North Carolina. 2022
- "Disease ecology from multiple dimensions: leveraging natural systems to understand broad patterns of infectious disease" Department of Wildlife and Fisheries, Penn State University. 2022
- "Multidimensional approaches to understanding drivers of novel disease emergence in natural systems." Center for Tropical and Emerging Infectious Diseases, Department of Infectious Diseases, College of Veterinary Medicine, University of Georgia. 2022
- "Ecological interactions as drivers of health and disease in humans and nonhuman primates." Host-Parasite Interactions Group, University of Calgary, Alberta, Canada. *Virtual. 2021*
- "Drivers of heterogeneity in patterns of infectious disease in primates". Guinea Worm Eradication Program, The Carter Center, Atlanta, GA. *Virtual*. 2021

- "Integrating conservation, public health, and primate behavior in the Simien Mountains National Park, Ethiopia." Ministry of Science and Technology, Addis Ababa, Ethiopia. 2017
- "A parasitic driver of natural selection in primates." Sociality and Health in Primates (SoHaPi) workshop. Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany. 2016

SELECTED PRESENTATIONS

- Verma, M., Hutchings, L., Baumgarten, M., Trumble, B.C., Lemma, A., Ayele, F., Beehner, J.C., Bergman, T.J., Lu, A., Snyder-Mackler, N., **Schneider-Crease, I.A.**, Why so *serialis*?: *Taenia serialis* changes hormonal profiles in male geladas. 94th meeting of the American Association of Biological Anthropologists (AABA). Baltimore, Maryland. 2025
- Kottke, S., Hutchings, L., Beehner, J.C., Bergman, T.J., Lu, A., Snyder-Mackler, N., Silk, J., **Schneider-Crease, I.A.** Social status predicts parasite infection in geladas. 94th meeting of the American Association of Biological Anthropologists (AABA). Baltimore, Maryland. 2025
- **Schneider-Crease, I.A.**, Blackwell, A.D.,…Trumble, B.C. "Helminth infection is associated with dampened cytokine responses to viral and bacterial stimulations in Tsimane hunter-horticulturalists". 6th Annual Meeting, International Society for Evolutionary Medicine and Public Health (ISEMPH). Lisbon, Portugal. 2022
- **Schneider-Crease, I.,** Beehner, J.C., Lu, A., Bergman, T.J., Snyder-Mackler, N. "Ecology eclipses phylogeny as a driver of parasite community structure in a graminivorous primate" International Primatological Society. Quito, Ecuador. *Virtual*. 2021
- **Schneider-Crease, I,** Griffin, R.H., Gomery, M.A., Bergman, T.J., Beehner, J.C. "Zoonotic taeniid infections: Fitness costs in a primate model system". 5th Annual Meeting, International Society for Evolutionary Medicine and Public Health (ISEMPH). Zurich, Switzerland. 2019
- **Schneider-Crease, I.,** Noh, J.C., Bergman, T.J., Beehner, J.C. **"**Diagnosing *Taenia serialis* in wild geladas: Novel use of adapted urine Ag-ELISA for assessing wildlife health." 2nd Annual Meeting, International Society for Evolutionary Medicine and Public Health (ISEMPH), Durham, NC. 2016

AWARDS. *2024*: President's Award for Global Engagement, Office of the President, Arizona State University; ASU nominee for the Blavatnik Award for Young Scientists, Life Sciences; Excellence in Graduate Teaching Award, School of Human Evolution and Social Change, ASU. *2023*: Community Catalyst Award, Engineering Projects in Community Service (EPICS), Fulton School of Engineering, ASU

TEACHING AND MENTORING

Instructor of Record: Arizona State University: Advanced Evolutionary Medicine (4 semesters online, 2023-present). One Health (2 semesters in-person: 2 semesters online, 2023-present). Duke University: Advanced Primate Conservation (1 semester, in-person, 2017)

New Course Development. One Health (online, in-person). Arizona State University, 2023

Faculty lead: Engineers Without Borders-Arizona State University Chapter. 2020-present

Training and credentials: Navigating Unique Student Situations; ASU Student Accessibility and Inclusive Learning Services (2025); Academic leadership & conflict resolution, *Pranna Consulting* (2024), ASU Foundation Moonshot Accelerator Program (2024); ASU Global Education Training Programs on conflict resolution, emergency preparedness, and mental health (2024-2025); ASU Master Class for Teaching Online (2024, 2025); Association of College and University Educators (ACUE) Microcredential (2023)

PhD chair, *ASU School of Human Evolution and Social Change*: Belayneh Abebe Mengesha (Global Health), 2025-present; Medhavi Verma (Global Health), 2024-present; Sophia Kottke (Evolutionary Anthropology), 2024-present

PhD committee member: Catherine Kitrinos, Department of Anthropology, University of Massachusetts Amherst. 2022-2024; Rebecca Tiernan, School of Life Sciences, Arizona State University. 2025-present

Undergraduate Honors Chair: *ASU School of Life Sciences:* Tiffany Duong (2023- May 2026), Maya Saroff (2023- 2025), Isabella Moya (2022- 2023). *ASU Fulton Schools of Engineering:* Zain Syed (2025). Rachael Zhan (2024-2025)

Undergraduate Research Mentor: ASU School of Human Evolution & Social Change: Abdulahi Farah (2025-present); Mya Bugos (2025-present)*;* Lorin Hutchings (2023-2024). *ASU School of Life Sciences:* Alejandro Ortiz (2023-2024)*;* Jess Neumaier (2023-2024)*;* Jack Schwebel (2023-2024)*;* Aliya Kammerer (2022)*; University of Washington:* Lia Koklic (Animal Behavior program, 2017-2018)

Mentor, BOOST Science Program (National Institute of Health). Durham, North Carolina (2014-2015)

SERVICE

Search committee, Assistant Teaching Professor, School of Human Evolution and Social Change, ASU (2025-2026)
Committee member, School of Human Evolution and Social Change Research Committee, ASU, 2025-2026
Committee member, School of Technology for Public Health Curriculum Committee, ASU. 2025
Grant writer, Presidential Graduate Assistantship Program, School of Human Evolution & Social Change, ASU 2025
Search committee, Anthropological Genetics, School of Human Evolution and Social Change, ASU. 2024
President & founder, Ethiopian Organization for Sustainability (*ETHOS*). 501(c)(3). 2023-present
Faculty mentor, Engineers Without Borders, Engineering Projects in Community Service, ASU. 2022-present
Board member, *Save the Simiens* (501(c)(3). 2015-2019
Reviewer: Sci Advances, Emerg Infect Dis, Phil Trans B, PLOS ONE, Am J Primatol, Parasitol Int, Int J Parasitol, Int J Parasitol: Parasites & Wildlife, Primates, Ecol & Evol, Glob Ecol Conserv, Heliyon, Folia Primatol, R Soc Open Sci, Ev Med Public Health, Cur Zool

SELECTED MEDIA: Coverage in ASU Thrive, AZ Family, ASU News, KJZZ NPR, UNESCO World Heritage Convention, Semonegna, Amhara Mass Media Agency (AMMA), Ethiopian Television (ETV), ShayBuna, Ethiopian News Agency

MISCELLANEOUS

Certificate in wildlife handling and chemical immobilization from Global Wildlife Resources.
Certificate in wilderness first aid from Survival Med.
Global Health Educators Community member.