

CURRICULUM VITAE

RESEARCH INTERESTS

The influence of biocultural factors on human production, reproduction and health from a life history perspective.

- The effects of market integration, and socioeconomic and ecological changes, on women's and men's reproductive preferences and fertility; and, consequently women's reproductive health and autonomy.
- Allocation of resources to the competing demands of growth, reproduction, and somatic maintenance, and how disruption of this affects women's and their children's long-term health and well-being.
- Developing cross-culturally applicable experimental methods to determine the casual pathways and specific environmental cues that influence human reproductive decision making and fertility.
- Local causes of international migration in Nicaragua, Belize and Honduras, and how migration affects: (1) household security, vulnerability and resilience; (2) household dynamics, including the division of labor and power; (3) family planning and health; and (4) childhood development and growth.

EDUCATION

University of California, Santa Barbara

2017 Ph.D. filed January 4th 2017, Conferred March 2017

Anthropology, Department of Anthropology

Advisor: Dr. Michael Gurven

Emphases in: Quantitative Methods for the Social Sciences; and Demography

2009 M.A. in Anthropology, Department of Anthropology

Thesis Advisor: Dr. Michael Gurven

University of Liverpool, Liverpool UK

2003 M.Sc. in Evolutionary Psychology, Department of Biology

Thesis Advisors: Prof. Robert Dunbar, Dr. Louise Barrett and Dr. John Lycett

Imperial College London, London UK

2002 B.Sc. in Zoology, Department of Biology.

Thesis Advisors: Prof. Ian Owen and Prof. Robert Sinden

GRANTS, FELLOWSHIPS, HONORS

External

2015 Human Behavior and Evolution Society Student Travel Grant (\$175)

2014 NESCent Working Group Research Grant, Duke University (\$10,000)
Student Travel Grant, University of California Global Health Day (\$345)

2012 Student Travel Grant, University of California Global Health Day (\$350)

2010 NSF Doctoral Dissertation Research Improvement Grant #1060319 (\$18,467)

2005 Travel and living expenses funding, UNM-UCSB Tsimane Health and Life History Project

Internal

2012 Department of Anthropology Summer Research Grant (\$500)

2011 Spalding Fellowship, UCSB (\$2500)

Department of Anthropology Summer Research Grant (\$1500)

- 2010 Spalding Fellowship, UCSB (\$2500)
 Humanities and Social Sciences Research Grant (\$2000)
 Integrative Anthropological Sciences Donor Grant (\$833)
- 2006-2007 Funding for Undergraduate Research Assistants, UCSB
- 2004-2012 Non-resident and Resident Fees Fellowships, UCSB

Honors

- 2012 Fiona Goodchild Award for Excellence as a Graduate Mentor of Undergraduate Research

PUBLICATIONS

Peer-Reviewed

- 2016 **McAllister, L.**, Pepper, G., Hackman, J., Virgo, S., Sobraske, K., Coall, D., The evolved psychological mechanisms of fertility motivation: Hunting for causation in a sea of correlation. *Philosophical Transactions B*.
- 2016 Coall, D., Tickner, M., **McAllister, L.**, Sheppard, P. (2016) Developmental influences on human fertility decisions: An evolutionary perspective. *Philosophical Transactions B*.
- 2014 Veile, A., Martin, M., **McAllister, L.**, Gurven, G. (2014) Modernization is Associated with Intensive Breastfeeding Patterns in the Bolivian Amazon. *Social Science & Medicine*. 100: 148-158
- 2012 **McAllister, L.**, Gurven, M., Kaplan, H., Steiglitz, J. Why do women have more children than they want? Understanding differences in women's ideal and actual family size in a natural fertility population. *American Journal of Human Biology*. 24(6):786-799
- 2009 Gurven, M., Winking, J., Kaplan, H., von Rueden, C., **McAllister, L.** A bioeconomic approach to marriage and the sexual division of labor. *Human Nature*. 20(2):151-183

Other Publications

- 2016 Sears, R., Pepper, G., **McAllister, L.** Demography needs you! Why demography needs psychologists. *The Psychologist*.

FIRST-AUTHORED PRESENTATIONS

- 2016 **McAllister, L.**, Gurven, M. Too sick to have another baby: Effects of perceived health on family planning in the Bolivian Amazon. *American Association of Physical Anthropology; Atlanta, GA*.
- McAllister, L.**, Blackwell A., Garcia, G., Gurven, M. Teenage pregnancy compromises maternal growth but not reproductive success among the Tsimane, Bolivian forager-farmers. *Human Biology Association; Atlanta, GA*.
- 2015 **McAllister, L.**, Shenk, M., Tweed, D., Jaeggi, A. Mortality and Family Planning: using experimental methods to find a causative link between mortality and reproductive preferences. *Human Behavior and Evolution Society, Columbia, MO*.
- McAllister, L.**, Blackwell A., Garcia, G., Gurven, M. Who Reaps the Rewards and Who Pays the Costs of Precocious Investment in Reproduction? Adolescent Reproduction in the Bolivian Amazon. *Population Association of America; San Diego, CA*.
- 2012 **McAllister, L.**, Blackwell A., Garcia, G., Gurven, M. Human Growth and Development, Motherhood and Reproduction. *American Anthropological Association; San Francisco, CA*.
- McAllister, L.**, Blackwell A., Garcia, G., Gurven, M. Does Teenage Reproduction Compromise Growth. *Human Behavior and Evolution Society; Albuquerque, NM*.

- McAllister, L.,** Gurven, M., Kaplan, H. Why Do Women Have More Children Than They Want: Understanding Excess Fertility in Bolivian Amerindians. *Population Association of America; San Francisco, CA.*
- McAllister, L.,** Gurven, M., Kaplan, H. Why Do Women Have More Children Than They Want: Understanding Excess Fertility in Bolivian Amerindians. *American Association of Physical Anthropologists; Portland, OR.*
- McAllister, L.,** Gurven, M., Kaplan, H. Reproductive Decision Making in the Bolivian Amazon. *UC Global Health Day; Berkeley, CA.*
- 2010 **McAllister, L.,** Gurven, M., Kaplan, H. The determinants and consequences of women's fertility preferences and fertility outcomes in a rapidly acculturating Amerindian population. *Vienna Institute of Demography; Vienna, Austria.*
- McAllister, L.,** Gurven, M., Kaplan, H. Market Integration and Fertility in an Amerindian Population. *Human Behavior and Evolution Society; Eugene, OR.*
- McAllister, L.,** Gurven, M., Kaplan, H. Market Integration and Fertility in an Amerindian Population. *Annual 3UCs Conference; San Luis Obispo, CA.*
- 2008 **McAllister, L.,** Stonich, S. Tourism and Fertility: The effects of tourism development on Belizean women's fertility. *VI Taller Internacionalde Turismoen el Caribe; Cozumel, Mexico.*
- 2007 **McAllister, L.,** Gurven, M., Kaplan, H. Acculturation and Reproductive Decision Making In The Tsimane Of Bolivia. *Human Behavior and Evolution Society; Williamsburg, VA.*

FIELD RESEARCH

Current

- 2017 - **Research in Matlab, Bangladesh**
- Developing survey instruments for a pilot study on the relationship between mortality and reproduction with Mary Shenk, Ph.D., Pennsylvania State University and Madeleine Zoeller, UCSB. Training student and local research assistants. Remotely managed site.
- 2015 - **Research with Nicaraguans on Big Corn Island, Nicaragua**
- Developing fertility and reproductive decision making components for a project on health and adolescent development with Carolyn Hodges-Simeon, Ph.D., Boston University, MA.
- 2014 - **Research with students across eleven universities and the U.S. general public**
- Project manager and co-PI, under Mary Shenk, Ph.D., University of Missouri, for the project *Psychological Mechanisms of Fertility Motivation*. This research aims to take relationships among environmental cues and fertility preferences, theorized from demographic and anthropological research, and elucidate causal pathways using experimental methods adapted from experimental psychology. In 2017, this work will be adapted to be applicable in field settings for a cross-cultural study with people at different levels of subsistence across South America, Africa, Europe and Australia.
- 2010 - **Research with the Tsimane, Bolivian forager farmers (Ph.D. Dissertation)**
- Topics of research include the determinants and consequences of women's fertility preferences and fertility in a rapidly acculturating Amerindian population, and the health and developmental consequences of adolescent reproduction.

Past

- 2008 **Research with residents of three coastal towns in Belize**
- Site manager in Punto Gorda, Belize for the project *From Vulnerability to Resilience: Helping People and Communities Cope with Crisis*, under PIs Susan Stonich, Ph.D., University of California Santa Barbara, CA, and Sara Alexander, Ph.D., Baylor University, TX. Explored the effects of tourism and environmental crisis on family planning.
- 2005 **Research with the Tsimane, Bolivian forager farmers (M.A. Thesis)**

- Topics of research included the effects of acculturation on Tsimane women's views on success, and parental investment decisions.

UNM-UCSB Tsimane Health and Life History Project

- Supervised by Michael Gurven, Ph.D., University of California Santa Barbara, CA, and Hillard Kaplan, Ph.D., University of New Mexico Albuquerque, NM. Explored subsistence patterns, resource accrual and sharing networks, and division of labor.

2002 Research with post-menopausal women in the U.K. (M.Sc. Thesis)

- Topics of research included exploring parental investment decisions across three generations and their long-term reproductive consequences, and the feasibility of applying evolutionary and life history theories to modern societies.

ACADEMIC POSITIONS

Lecturer at University of California, Santa Barbara, CA

Human Variation, ANTH 105 (Summer 2017)

Introduction to Biosocial Anthropology, ANTH 7 (Summer 2017)

Methods in the Human Behavioral Sciences, ANTH 9 (Spring 2017)

Teaching Associate at University of California, Santa Barbara, CA

Human Variation, ANTH 105 (Summer 2016, 2013 & 2012)

Primate Behavior, ANTH 153T (Winter 2013, Fall 2010, Winter 2010 & 2007, Spring 2006)

Primate and Human Sexual Behavior, ANTH 153 (Spring 2010, Fall 2008 & 2007)

Teaching Assistant at University of California, Santa Barbara, CA

Introduction to Physical Anthropology (Summer 2015, Fall 2012 & 2011, Spring 2007 & 2005, Fall 2004);

Introduction to Chicano History (Fall 2009); Third World Environments (Spring 2009); Hunters and

Gatherers (Winter 2009); Human Variation (Winter 2006); Introduction to Cultural Anthropology

(Winter 2005)

Guest Lectures

California State University, Channel Islands, CA

Adolescent Reproduction and Health, Course: Medical Anthropology, Instructor: William Adams, Ph.D.

Demographic Transition and Fertility, Course: Medical Anthropology, Instructor: William Adams, Ph.D.

Santa Barbara City College, Santa Barbara, CA

Gender and Sexuality, Course: Introduction to Cultural Anthropology, Instructor: Rani Mclean, Ph.D.

University of California, Santa Barbara, CA

Adolescent Reproduction, Course: Human Growth & Development, Instructor: Aaron Blackwell, Ph.D.

Understanding Genetics, Course: Human Variation, Instructor: Sabrina Curran, Ph.D.

Evolution and Natural Selection, Course: Human Variation, Instructor: Sabrina Curran, Ph.D.

Demographic Transition and Fertility, Course: Human Variation, Instructor: Sabrina Curran, Ph.D.

Variation in Human Skin Color, Course: Human Variation, Instructor: Phillip Walker, Ph.D.

Reproductive Decisions in Hunter-gatherer Societies, Course: Anthropological Demography and Life History, Instructor: Michael Gurven, Ph.D.

PROFESSIONAL EXPERIENCE

2017- **Postdoctoral Scholar and Project Manager: Psychological Mechanisms of Fertility Motivation (Pennsylvania State University)**

- Managing a multi-university collaborative project in the US, and pilot work in Bangladesh. Survey design, pre-testing and implementation, and data analysis and write up. Grant writing, and reporting to granting agencies and Human Subjects Committees.

2014-17 **Postdoctoral Scholar and Project Manager: Psychological Mechanisms of Fertility Motivation (University of Missouri, MO)**

- Site recruitment; managing 35 affiliated professors and graduate students across eleven universities; Human Subjects Committee liaison; method and survey design; utilization of Qualtrics, SONA systems and Amazon Mechanical Turk.
- 2012 **Certificate recipient, Summer Teaching Institute for Associates (UCSB, CA)**
 - Short course for teaching associates focused on interactive learning, and course planning, conduct and evaluation
- 2008 **Site Manager in Punta Gorda, Belize: From Vulnerability to Resilience: Helping People and Communities Cope with Crisis (Baylor University, TX)**
 - Site setup; local government liaison; recruitment and training of five local research assistants; survey design and implementation; community mapping.
- 2005 **Site Manager in Tacuaral del Mato, Bolivia: UNM-UCSB Tsimane Health and Life History Project (University of New Mexico, Albuquerque, NM and UCSB, CA)**
 - Training and management of 4 local research assistants; local community liaison for the project; training in various field methods; medical support.

STUDENT MENTORING

- 2017 **Supervised Ema Angeles' original research project for the Undergraduate Research and Creative Activities Grant (UCSB, CA).**
 - Provided training in project development and the scientific method, hypotheses development and testing, data base building and management, statistical analysis and the use of statistical software (SPSS), project write up, and presentation at conferences.
- 2015 **Supervised Ivanna Robeldo's original research project for the Undergraduate Research Colloquium (UCSB, CA).**
 - Provided training in project development and the scientific method, hypothesis testing, data base building and management, statistical analysis and the use of statistical software (SPSS), project write up, and presentation as a poster.
- 2012 **Supervised Geni Garcia's undergraduate honors thesis (UCSB, CA)**
 - Provided training in project development and the scientific method, data base building and management, statistical analysis and the use of statistical software (SPSS), project write up, and presentation at conferences. Received the *Fiona Goodchild Award for Excellence as a Graduate Mentor of Undergraduate Research*. Ms. Garcia graduated with Honors in 2012 and presented her research at the 2014 UC Global Health Day at UC Davis, CA.
- Supervisor for UCSB Summer Research Program for Gifted High School Students**
 - Recruited, trained and managed three gifted High School students for 6 weeks. Provided training in project development and the scientific method, data base building and management, statistical analysis and the use of statistical software (SPSS), project write up, and public presentation skills.
- 2006 - **Supervised undergraduate independent research (UCSB, CA)**
 - Recruited, trained and managed nine undergraduate research assistants for various projects related to the UNM-UCSB Tsimane Health and Life History Project.

ACADEMIC AND COMMUNITY SERVICE

Organizations Chaired

- 2011-2012 Organizer, Anthropology Graduate and Undergraduate Annual Research Symposium
- 2008-2009 Co-president, Anthropology Graduate Student Association
- 2004-2011 Co-organizer, Anthropology Fundraising

Symposia Organized

- 2016 Biocultural perspectives on family health within and across generations. *American Association of Physical Anthropology; Atlanta, GA.*
- 2015 When to start, when to stop? Insights from life history theory on fertility decisions. *Human Behavior and Evolution Society; Columbia, MO.*

Invited Reviewer

Annals of Human Biology
 Evolution and Human Behavior
 International Journal of Fertility and Sterility
 PeerJ
 PLoS ONE
 Psychoneuroendocrinology
 American Public Health Association Student Presentations
 University of California Global Health Day Presentations

Other Service

- 2014 - Creator and Manager of the Tsimane Flood Relief Fund,
<https://sites.google.com/site/tsimanefloodrelief>
- 2011-2013 Grant Writer, Community Outreach Center for the Santa Barbara Birthing Center
- 2011-2013 Campus Economic Projects Representative, University of California Haiti Initiative
- 2011-2013 Graduate Student Representative, Student Initiated Outreach Programs
- 2004-2011 Co-organizer, Anthropology Fundraising
- 2004-2007 Organizer, Anthropology Graduate Student Association Events

PROFESSIONAL AFFILIATIONS

Member, National Evolutionary Synthesis Center Working Group: Integrating Evolutionary Models of Human Fertility Change

Graduate Associate, UCSB Broom Center for Demography

Member, American Anthropological Association

Member, American Public Health Association

Member, Human Behavior and Evolution

Member, Population Association of America

LANGUAGES AND SOFTWARE

Spanish: conversational
 Tsimane: conversational
 SPSS Statistical Software

PROFESSIONAL INTERESTS

Indigenous Demography; Human Behavioral Ecology; Family Planning and Dynamics; International Migration; Nutritional and Economic Security; Health/Development Vulnerability; Applied Anthropology

REFERENCES

Michael Gurven, Ph.D.

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Anthropology, University of
California, Santa Barbara
CA 93106-3210
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Mary Shenk, Ph.D.

Associate Professor, Anthropology
Address: University of Missouri,
1205 University Avenue, Suite
1110, University Place,
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