

# STEPHEN T. MCGARVEY

## CURRICULUM VITAE

May 1, 2025

### PRESENT POSITION

Professor of Epidemiology, School of Public Health  
Professor of Anthropology  
Brown University

Address: Center for Global Public Health (formerly International Health Institute)  
121 S. Main Street, Box G-S121  
Brown University, Providence, RI 02912  
Email: Stephen\_McGarvey@brown.edu

### EDUCATION

B.A., Sociology (With Honors), 1971, Villanova University, Villanova, PA  
M.A., Anthropology, 1974, The Pennsylvania State University, University Park, PA  
Ph.D., Anthropology, 1980, The Pennsylvania State University, University Park, PA  
MPH, Epidemiology, 1984, Yale University, New Haven, CT

### PROFESSIONAL POSITIONS

2015 Interim Chair, Dept of Epidemiology (Jan-Dec 2015)  
2014-15 Interim Director, Institute for Community Health Promotion, Brown  
University School of Public Health (Academic Yr 2014-15)  
2012-present Professor of Anthropology, Brown University  
2011-present Professor of Epidemiology, Brown University School of Public Health  
2010 Acting Chair (January – July 2010), Epidemiology Section, Dept. of  
Community Health, Brown University Medical School  
2006-2010 Professor of Anthropology, Brown University  
2002-2011 Professor of Community Health, Brown University Medical School  
2000-2002 Associate Professor of Community Health, Brown University Medical School  
1999-2021 Director, International Health Institute, Brown University.  
1994-2000 Associate Professor of Medicine (Research) and Community Health  
(Research), Brown University, Providence, R.I.  
1994-99 Associate Director for Research and Training, International Health Institute  
1993-94 Associate Professor of Medicine (Research), Brown University  
1993-2000 Anthropologist, Division of Clinical Immunology & Geographic  
Medicine, The Miriam Hospital, Providence, R.I.  
1990-93 Research Scientist, Division of Geographic Medicine, The Miriam Hospital,  
Providence, R.I.  
1984-89 Research Scientist, Department of Medicine, Roger Williams General  
Hospital, Providence, R.I.  
1984-93 Assistant Professor of Medicine (Research), Brown University.  
1987-89 Visiting Assistant Professor of Anthropology, Brown University.  
1985 Asst Prof of Anthropology (Visiting), Rhode Island College, Prov., R.I.  
1983-85 Research Associate, Department of Anthropology, Brown University.

- 1983-84 Research Associate, W.M. Krogman Center for Research in Child Growth and Development, School of Dental Medicine, University of Pennsylvania
- 1983-84 Research Associate, Department of Community and Preventative Medicine, Medical College of Pennsylvania
- 1983 Instructor, Dept. of Anthropology & Sociology, Rutgers University Camden
- 1977-79 Instructor, Dept. of Anthropology, Pennsylvania State University
- 1977 Instructor, Division of Continuing Education, Pennsylvania State University

## **HONORS and FELLOWSHIPS**

- 2025 Franz Boas Distinguished Achievement Award, Human Biology Association
- 2019 MPH Thesis Mentor Award, Brown University School of Public Health
- 2019 Outstanding Alumnus Award, Pennsylvania State University, College of Liberal Arts, Department of Anthropology
- 2014 Dean's Teaching Award, Brown University School of Public Health
- 2013 Honorary Scientific Advisor, Institute for Anthropological Research, Zagreb, Croatia
- 2007 Elected Fellow, American Association of Advancement of Science (AAAS)
- 1980-1 Postdoctoral Fellowship in Medical Anthropology, NIH, National Institute of Mental Health, Department of Anthropology, University of Hawaii
- 1971-7 Predoctoral Traineeship in Human Biological Adaptability, NIH, NIGMS, Human Biology Program, Dept of Anthropology, Pennsylvania State Univ.
- 1970-71 Presidential Scholarship, Villanova University

## **PROFESSIONAL ACTIVITIES**

### Peer-Reviewed Journal Editor and Membership on Editorial Boards

- 2002-present Editorial Board, American Journal of Human Biology
- 2015-20 Editorial Board, Annals of Human Biology
- 2016-20 Editorial Board, American Anthropologist
- 2006-10 Co-Editor, Annals of Human Biology
- 2003-10 Editorial Board, Anthropological Science

### External Research Funders NIH/CSR Review Committees

- 2011-14 Chairperson, International and Cooperative Projects-1 (ICP-1) Study Section, National Institutes of Health, Center for Scientific Review
- 2010-14 Member, International and Cooperative Projects-1 (ICP1) Study Section, National Institutes of Health, Center for Scientific Review

### *NIH Special Review Committees:*

1. National Institute on Aging, Site Visitor, Boston, May 14-16, 1985 and Boston, Nov. 10-11, 1986;
2. NIAID Review Committee on Minority Institutions Adult AIDS Clinical Trial Units, Bethesda, MD, April 8, 1993;
3. Review Committee ZRG1 SNEM-3 - International Studies on Health & Economic Development. Wash DC, 8-10, 2000
4. Review Committee ZCA1 SRRB-D, Meetings and Networks for Methodological Development in Interdisciplinary Research, Bethesda, July 15-16, 2004;
5. Review Committee ZRG1 ICP-3, International Research Scientist Development

- Award, Wash DC July 26, 2004;
6. Review Committee, ZRG1 ICP-2, International Studies on Health & Economic Development. Wash DC, July 26, 2004.
  7. Chairperson, Center for Scientific Review Special Emphasis Panel Fogarty International Center Research Collaboration Award (FIRCA) Biobehavioral and Social Sciences, and Global Research Initiative Program for New Foreign Investigators (GRIP), ZRG1 BDA-K (50), Washington DC March 24, 2009.
  8. Review Committee ZRG1 ICP1, Center for Scientific Review Special Panel, Fogarty International Center Research Collaboration Award (FIRCA) and Global Research Initiative Program for New Foreign Investigators (GRIP), February 10-11, 2010 (teleconference due to snow).
  9. Review Committee ZRG1 GGG-H (50), Center for Scientific Review Special Emphasis Panel, Epigenetics and Human Disease II, Washington DC April 11, 2011.
  10. Review Committee ZHL1 CSR-H (F2), Center for Scientific Review Special Emphasis Panel, Life after Linkage: The Future of Family Studies, Bethesda, MD. Dec 1-2, 2011.
  11. Review Committee ZMH1 ERB-B (01): Grand Challenges in Global Mental Health. CSR Special Emphasis Panel, Nov 8, 2012.
  12. Chairperson, NIH Center for Scientific Review, Special Emphasis Review Panel, PAR-109: Mechanistic Insights from Birth Cohorts. Feb 28, 2014.
  13. Review Committee, ICP - 1 Study Section, Biology of Development and Aging Integrated Review Group. K43 grants Fogarty Ctr, Mar 21, 2016.
  14. Chair, Review Committee, ICP-1 Special Emphasis Panel. April 6, 2017.
  15. Chair, Review Committee, ICP-1 Special Emphasis Panel. K43 grants, May 29, 2018.

External Research Application Reviewer- Domestic and International Organizations

US Domestic

National Science Foundation; Rhode Island Medical Foundation; Thrasher Foundation; University of North Carolina Population Center; National Research Council; National Geographic Foundation; BUILD EXITO/NIH at Portland State University; Brown University Office of Vice President Research;

International

Wellcome Trust (4 times); Canadian Institutes of Health Research and Canadian International Development Research Centre; UK Social and Economic Research Council; Health Research Council of New Zealand; Canterbury Medical Foundation, Christchurch, NZ; Auckland NZ Medical Society; New Zealand Royal Society. CARTA (The Consortium for Advanced Research Training in Africa; 3 times)

NIH/NHLBI Trans-Omics for Precision Medicine Consortium (TOPMed)

Principal Investigator – Samoan Adiposity Study (2014 – 2022)  
 Co-Convener – Anthropometry & Adiposity Working Group (2014 – 19)  
 Member- Ethical, Legal, and Social Implications Committee (2014 – 2020)

Data Safety Monitoring and Ethical Review Committees

2014-17 Member, Data Safety and Monitoring Committee, Clinical Trial “Postpartum deworming: A novel way to improve breastfeeding and optimize infant

- growth”. PI: Theresa Gyorkos, McGill University Health Centre & Dept. of Epidemiology.
- 2010-14 Member, Data Safety and Monitoring Committee, Clinical Trial “Improving Early Childhood Growth and Development in Resource-poor LMICs by Incorporating Deworming in Integrated Child Health Care”. PI: Theresa Gyorkos, McGill University Health Centre & Department of Epidemiology
- 2001-05 Brown University Institutional Review Board (IRB), Alternate Member
- 2000-04 Member, Data Safety & Monitoring Committee for ‘Project Protect’, Women & Infants Hospital of Rhode Island
- 1985-86 Member, Research and Human Rights Committee Women & Infants Hospital of Rhode Island.

#### External Reviewer of Academic Programs

- 2003 External Reviewer of University of Tokyo Graduate School Faculty of Medicine, Departments of 1) Social Medicine; 2) Health Sciences and Nursing, and 3) International Health. Feb.17-18.

#### Manuscript Peer Reviewer for Journals

##### 1979-present General Scientific Journals

Proceedings of the National Academy of Sciences (PNAS); PLoS ONE; Journal of the Royal Society Interface; Expert Opinion on Medical Diagnostics; Nature Scientific Reports.

##### Public Health & Epidemiology Journals

Lancet; American Journal of Epidemiology; American Journal of Public Health; Bulletin of the World Health Organization; Social Science and Medicine; Journal of Clinical Epidemiology; Journal of Chronic Disease; Lancet Regional Health – Western Pacific; Lancet Global Health; BMJ Open; BMC Public Health; Journal of Pediatrics; Hawaii Journal of Medicine & Public Health.

##### Obesity and Diabetes Journals

International Journal of Pediatric Obesity; International Journal of Obesity; Obesity Research; Obesity Reviews; Diabetes Care; Obesity; Diabetes Research & Clinical Practice; Expert Reviews Endocrinology & Metabolism.

##### Human Biology and Biological Anthropology Journals

American Journal of Human Biology; Human Biology; American Journal of Physical Anthropology; Annals of Human Biology; Economics and Human Biology; Evolutionary Behavioral Sciences; Human Nature.

##### Nutrition Journals

American Journal of Clinical Nutrition; European Journal of Nutrition; British Journal of Nutrition; Journal of the American Dietetic Association; Public Health Nutrition; Ecology of Food & Nutrition; Asia Pacific Journal of Clinical Nutrition

##### Genetics Journals

Annals of Human Genetics

##### Parasitology and Tropical Health Journals

American Journal of Tropical Medicine & Hygiene; Parasitology Research; Acta Tropica; International Journal of Parasitology; Tropical Medicine & International Health; PLoS Neglected Tropical Diseases (NTDs); PLoS Pathogens; Infectious

Diseases of Poverty; Vaccines; Trends in Parasitology; Expert Review of Vaccines; Applied and Environmental Microbiology; BMC Infectious Diseases; Vaccines; Expert Review of Vaccines; Applied and Environmental Microbiology  
Behavioral Health and Medicine Journals

Annals of Behavioral Medicine; Health Psychology; Psychosomatic Medicine  
Social Science Journals

Demography; Human Organization; Medical Anthropology; American Anthropologist; Population & Development Review; Journal of Sports & Development.

#### Professional Scientific Organization Roles

- 2021 Symposium Organizer, Human Biology Association 2021 Annual Meeting, 'Establishing Best Practices for Engaging Underrepresented, Minority, and Marginalized Communities'.
- 2021 Symposium Co-organizer (with Serena Tucci), American Association of Physical Anthropologists 2021 Annual Meeting, '20 Years of the Human Genome: Insights into Human Population History, Biology and Health'.
- 2019-21 Training Advisory Committee (TAC) for NIH Grant D43-TW010552, 'Building Research to Integrate and Deepen the Gains against HIV through the Social Sciences: The BRIDGES Programme'. PI, C Colvin, University of Cape Town.
- 1994-98 Executive Committee, Human Biology Association
- 2004-14 Nominations & Elections Committee, Human Biology Association
- 2000-01 Representative to the American Association for the Advancement of Science, Anthropology Section H for the Human Biology Association.
- 1990-pres Abstract Reviewer for Scientific Meetings: American Assoc. of Physical Anthropologists, Human Biology Association, North American Association for the Study of Obesity

#### Discussant and Rapporteur

- 2012 Discussant, 10<sup>th</sup> WBCA (University of Witwaterstrand, Brown University, University of Colorado, Africa Population and Health Research Centre) Consortium Meeting on Population and Health. Johannesburg, South Africa May 30-June 2.
- 2009-16 Member, Advisory Committee, Schistosomiasis Consortium for Operational Research and Evaluation (SCORE). [www.ctegd.uga.edu/score.php](http://www.ctegd.uga.edu/score.php).
- 2009 Moderator, Health and Well-Being. Session 5 of the PSTC African Alumni Conference, Brown University, April 26-28, 2009.
- 2009 Organizer, Symposium at the American Association of Physical Anthropologists and Human Biology Association Annual Meetings, "Detecting Natural Selection in Humans", April 3, 2009, Chicago.
- 2008-10 Member, Expert Group Corresponding Member, Other Infectious Diseases Expert Group, Communicable Diseases Cluster, Global Burden of Diseases, Injuries, and Risk Factors Study (GBD Study).
- 2007 Moderator, International Perspectives on HIV and Women. Panel II of Symposium The Global Threat of HIV Among Women: Challenges

- and Responses. Brown University, May 5, 2007.
- 2006 Discussant, *Medicine and Evolution* Symposium, Society for the Study of Human Biology & The Biosocial Society. Dec 11-12, York, UK
- 2005 Presenter, WHO Scientific Work Grp on Schistosomiasis, Ecological factors in transmission of schistosomiasis". Geneva, November 14-16.
- 2005 Co-Organizer, Joint Symposium of the Human Biology Association and the American Association of Physical Anthropologists, "The Metabolic Syndrome: Epidemiological, Methodological, Genetic, and Cross-Cultural Perspectives", April 7, Milwaukee.
- 2004 Discussant, 2<sup>nd</sup> University of Witwaterstrand-Brown University Colloquium on Emerging Population Issues. Brown Univ, March 29.
- 2004 Discussant, Conference on The Political and Symbolic Implications of Quantification. Working Group on Anthropology and Population. Brown University, February 27-28.
- 2001 Co-Organizer, Joint symposium of the Society for the Study of Human Biology and the Human Biology Association, "The Changing Face of Disease". Cambridge, UK, September 17-18.
- 2000 Participant, 'ADI-Map' An Obesity Gene Mapping Collaborative Project: Are We Ready? NIDDK/NIH. Rockville, MD, July 14,
- 1998 Workshop Rapporteur, "The Epidemiology and Host-Parasite Relationships of *Schistosoma japonicum* in Definitive Hosts" held in Wuxi, Jiangsu Province, China, September 8-10, 1998.
- 1998-05 International Advisor for Regional Network for Research, Surveillance and Control of Asian Schistosomiasis.
- 1995-96 Chairperson, Mission Statement Comm., Human Biology Association 1995-96
- 1994-5 Member, Lifespan Research Advisory Committee.
- 1993 Conducted Workshop, Longitudinal Analysis, Navrongo Health Research Centre, Navrongo, Upper East Region, Ghana. October 9-20.
- 1994 Participant, Planning and Implementing Clinical Trials of Vaccines for Parasitic Diseases. Parasitology and Tropical Diseases Branch, NIAID /NIH, Bethesda, MD. September 19-21.
- 1995 Participant and Rapporteur, A Healthy Body and a Healthy Mind? The relationship between cognitive function and physical illness. Partnership for Child Development and the Wellcome Trust: Dormy House, Broadway, Worcestershire, UK. June 25-28,
- 1991 Planning Workshop on Cognitive and Educational Achievement. Partnership for Child Development, University of The West Indies and the McDonnell Foundation. Kingston, Jamaica. Planned new studies to assess cognition and parasitic infections in children. November 2-6.
- 1992 Human Genome Diversity Workshop. Pennsylvania State University. South Asia and Pacific Sub-group. Planned new studies to assess human genetic diversity as part of human genome projects. October 28-31.
- 1992-93 Session Chairperson, American Association of Physical Anthropologist 62nd and 63rd Annual Meetings.
- 1993 Symposium organizer. Schistosomiasis: Multidisciplinary approaches. XVII Pacific Science Congress, Honolulu Hawaii, May 31.

- 1988-89 Election & Nominations Committee, Human Biology Association  
 1985-86 Epidemiology Consultant, Rhode Island Department of Health, Diabetes Control Program.  
 1984-91 Consulting Editor for biological anthropology, Behavioral Medicine Abstracts.

## **BROWN UNIVERSITY ACTIVITIES AND SERVICE**

### Committee Service and Leadership

- 2022-24 Faculty Mentor, Dept of Epidemiology (Mentee: Alexandra Collins, PhD)  
 2020-21 Lead Faculty, Global Health concentration, MPH Program  
 2019-21 Committee on Public Health Faculty Appointments (PHFA)  
 2019-21 MPH Admissions Committee  
 2018-21 Advisor, Global Health concentration, MPH Program  
 2018-20 ScM in Global Public Health Admissions Committee  
 2018 Brown International Advanced Research Institute (BIARI), "Health and Social Change in Africa". African Population & Health Research Centre, Nairobi, Kenya, June 3-9. Co-led capacity building workshop for junior researchers at African institutions.  
 2015-16 Office of Global Engagement Advisory Committee  
 2012-21 Core Advisor, MPH Program  
 2010-17 Population Studies & Training Center (PSTC) Advisory Committee  
 2009-21 Member, Executive Committee, Global Health Initiative  
 2009-12 Member, International Affairs Advisory Board, Office of International Affairs  
 2008-18 Director, Global Health Scholars, MPH Program, School of Public Health  
 2007-08 Co-Chair, Global Health Faculty Committee  
 2007-08 Director, International Activities, Division of Biology and Medicine  
 2007-21 Faculty Associate, Center for Latin American Studies  
 2006-07 Member, Global Health Working Group, Internalization Initiative  
 2006-08 Faculty Associate, Watson Institute for International Studies  
 2006-07 Member, Medical Committee on Academic Standing  
 2006-07 Member, Nominations Committee, Office of Faculty Governance  
 2006-10 Member, Executive Committee, Public Health Program and Department of Community Health  
 2005-07 Chair, Research Faculty Committee, Public Health Program  
 2000-04 MPH Steering Committee, Master of Public Health Program, Department of Community Health  
 2000-21 Director, International Health Institute  
 1999-2003 Member, Executive Committee, Watson Inst. for International Studies  
 1998-2003 Member, Executive Leadership Core, Center for Behavioral and Preventive Medicine, The Miriam Hospital & Brown University School of Medicine  
 1995-96 Faculty Associate, World Hunger Program  
 1990-present Faculty Associate, Population Studies and Training Center  
 1988-present Core Faculty, International Health Institute

### Research Funding Reviewer

- 2015-21 Nora Kahn Piore Grants, School of Public Health, Reviewer  
2014 Undergraduate Teaching & Research Awards (UTRA) Reviewer  
2012 Research Grant Reviewer for Office of Vice President for Research:  
Salomon Awards, Research Seed Grants  
2012-15 Proposal Reviewer, Brown International Advanced Research Institute  
(BIARI), Population & Development  
2010-23 Framework in Global Health Grants Review Committee  
1999-2000 Smoke Summer Research Assistantship Review Committee,  
Watson Institute for International Studies  
1994-98 School of Medicine and Program in Liberal Medical Education (PLME),  
Summer Research Assistantship Review Committee: Social and  
Behavioral Sciences  
1990-2010 Foreign Study Fellowship Jury Member, Chair 2000-10.  
1992-94 Affinity Group Faculty Co-Leader, Junior & Senior PLME, Int'l Health  
1987-89 Affinity Group Faculty Co-Leader, 2<sup>nd</sup> Year Med Students, Int'l Health

### **RESEARCH GRANTS**

#### Active

- 2024-28 Lipidomics and structural genomics of cardiometabolic health in Samoan adults.  
PI: R Minster, Co-I: ST McGarvey (PI of subcontract to Brown University); total  
subcontract costs \$243,909. NIH R01 HL133040. Total Costs Awarded: \$4,855,467.  
2024-29 CREBRF and risk of pregnancy and postpartum dysglycemia in American Samoan  
women. Multiple PIs: Hawley NL, Bengtson A, Kershaw EE. (Consultant: ST  
McGarvey). NIH R01 R01DK139672.

#### Pending

- 2024-29 Phenotypic consequences of lipoprotein(a) in diverse populations. PI: Avery C,  
(Consultant ST McGarvey.). NIH R01 HL172887 (revised). Univ. of Pittsburgh  
subcontract costs: \$352,489. Scored 11<sup>th</sup> percentile in initial review. July 13, 2024.

#### Completed

- 2018-24 Impact of the obesity-risk CREBRF p.Arg457Gln variant on energy  
expenditure, intake, and substrate utilization in Samoans. PI: ST McGarvey  
with MPI: J DeLany. NIH R01 HL140570. Total Costs \$3,073,527.  
2017-24 Next Generation Association Studies of Adiposity in Samoans Enhanced by a  
Samoan-Specific Whole Genome Sequence Reference Panel. PI: R Minster. Co-  
I: ST McGarvey. NIH R01 HL133040. Total Costs \$3,644,933.  
2016-24 Migration, Urbanization and Health in a Transition Setting. PI: M White,  
NIH R01 HD083374-01A1. Total Costs \$2,583,415.  
2018-22 Development of Samoan-specific fetal growth references and an assessment of  
their diagnostic ability. PI: N Hawley, Co-I: ST McGarvey. NIH



R03-HD093993, total subcontract \$39,638.

- 2016-21 Integrated cellular, mouse and human research on a novel missense variant influencing adiposity in Samoans. PI: ST McGarvey, NIH 2 R01 HL093093-06. Total Direct Costs, \$3,035,442.
- 2019-20 Improving childhood health in LMICs starting in pregnancy: addressing metabolic syndrome's impact on pregnancy outcomes among HIV-infected and HIV-uninfected women in South Africa. PI: A Bengtson, Co-I: ST McGarvey. Brown University School of Public Health Catalyst Grant, #GR300169.
- 2017-20 Integrated Modeling of Epidemiologic and Economic Long-Term Outcomes in Africa. PI: O Galarraga. NIH Fogarty Center, PEPFAR & CRDF Global Grant OISE-17-62967-1, Total Costs \$225,462.
- 2013-18 Partnerships for the next generation of HIV social science in South Africa. Co-investigator with PI: M Lurie. NIH R24-HD077976-01. Total Costs \$1,905,194.
- 2013-17 Feasibility and effectiveness of the baby friendly community initiative (BFCI) in Kenya: A pilot community trial in a rural setting. PIs: J Kimiywe, Kenyatta University, Elizabeth Kimani-Muarge, Africa Population & Health Research Centre (APHRC), with NIH funded Partner: ST McGarvey. USAID & NIH Partnerships for Enhanced Engagement in Research for Health Program. Total Costs \$449,321.
- 2009-15 Genome-Wide Association Studies of Adiposity in Samoans. PI: ST McGarvey, NIH Grant R01-HL093093. Total Costs \$5,229,699.
- 2006-13 Diabetes Care in American Samoa. PI: ST McGarvey. NIH Grant R18-DK075371. Total Costs \$ 2,432,866.
- 2010-12 Migration, HIV and Socioeconomic Change in South Africa. Co-Investigator with PI Michael White. Brown University Center for AIDS Research. Total Costs \$40,000.
- 2008-13 Global Health Framework at Brown University. Co-PI with S. Cu-Uvin. NIH Grant R25-TW008102, Total Costs: \$406,806.
- 2010-12 Genetic Modification of PUFA Biosynthesis and CHD. PI, ST McGarvey, with subcontract to University of Michigan, Co-PI Ana Baylin. NIH 5R01HL081549-03, \$606,612 Total Costs.
- 2010-11 Supplement to Diabetes Care in American Samoa. PI: ST McGarvey. NIH Grant 3R18DK075371-04S1. Total Costs \$96,391.

- 2007-10 Alcohol Phenotype Development in Samoans. Co-investigator with PI: Robert Swift. R21-AA016597. Total Costs \$426,718.
- 2009-10 Susceptibility genes for polycystic ovarian syndrome in Samoan and American Samoan women. PI, GERALYN MESSERLIAN, BROWN UNIVERSITY, INNOVATIONS IN WOMEN'S HEALTH RESEARCH SEED GRANT PROGRAM. \$35,000.
- 2005-07 Inflammation, Iron and Cognition in *S. japonicum*. Coinvestigator with PI: Jennifer Friedman. NIH R03 AI064735.
- 2007 Diversity Supplement, Diabetes Care in American Samoa. PI: ST McGarvey, NIH Grant R18 DK075371-01S1.
- 2000-06 Genome-scan for Obesity Susceptibility Loci in Samoans. PI: ST McGarvey. NIH: R01-DK59642.
- 2004-06 Puberty, Immunity and Malnutrition in *S. japonicum*. Coinvestigator with PI: JD Kurtis. NIH: R01-AI48123. (ST McGarvey was PI 7/1/01- 3/25/04).
- 2003-07 Urbanization, Health and the Environment in Coastal Ghana. Coinvestigator with PI, M White. NIH R21-TW006508.
- 2000-06 Ecology and Transmission of *S. japonicum* in The Philippines. PI: ST McGarvey. NIH Grant TW01582 in the NIH/NSF Ecology of Infectious Diseases Program.
- 2001-04 Puberty, Immunity and Malnutrition in *S. japonicum*. PI: ST McGarvey. NIH: R01-AI48123.
- 1998-02 Genome Scan for NIDDM Susceptibility Genes among Samoans. NIH DK55406. Co-PI with R Deka.
- 1994-00 International Training in AIDS Epidemiology. NIH D43 TW00237. Co-Director with KM Mayer, Director. Dr. McGarvey's role ended 9/00.
- 1995-99 Genetics of CVD Risk in Samoans. NIH HL52611. Co-PI with MI Kamboh.
- 1993-96 Phase II Study on Multi-Drug Chemotherapy of Geohelminths in the Philippines and the People's Republic of China. WHO. G.R. Olds, PI.
- 1992-97 Infants of Gestational Diabetes: Birth to seven years. NIH HD11343. Co-Investigator with B. Vohr, PI. Project 2 in Center Project, Diabetes Pregnancy, Effects on offspring. Overall PI, W. Oh.
- 1991-96 Morbidity and resistance to reinfection in Schistosomiasis japonicum and development of a strategic plan for disease control. NIH AI30601. Co-PI

with R. Olveda. Project 1 in Tropical Medicine Research Center.

- 1990-96 Adiposity, Insulin, Electrolytes and Samoan Blood Pressure. NIH AG09375. Principal Investigator: S.T. McGarvey.
- 1995 Health Transition in Navrongo, Ghana. Faculty Foreign Travel Grant, Brown University, Watson Institute for International Studies.
- 1993-94 Polyparasitism and Cognitive Function in Chinese Children. Partnership for Child Development, London. PI: S.T. McGarvey.
- 1993-94 Fertility Patterns in Western Samoa. Brown University Population Studies and Training Center. PI: S.T. McGarvey.
- 1993-94 Immunogenetic Analysis of Clot Blood from a Schistosomiasis Endemic Chinese Population. The Miriam Hospital Foundation. PI: S.T. McGarvey, with P.M. Wiest, and G.R. Olds.
- 1992 Lipid profiles, adiposity and psychosocial factors among modernizing Samoans. Miriam Hospital Foundation. PI: S.T. McGarvey.
- 1989 Schistosomiasis in Jiangxi Province, China. Faculty Foreign Travel Grant, Brown University Institute for International Studies.
- 1988-89 Enhancing Hospital Care for the Older Patient. Co-Investigator with M.D. Fretwell, PI. Robert Wood Johnson Foundation.
- 1988 Salt Taste, Infant Diet and Blood Pressure. S.T. McGarvey and S.H. Zinner. Gerber Products Co.
- 1986-87 Family Care-Givers of Frail Elders. Co-Investigator with R.A. Silliman. Brown University Program in Medicine Research Support Funds.
- 1982-83 Epidemiology of Blood Pressure in Samoans. PI: S.T. McGarvey. Wenner-Gren Foundation.

## **PUBLICATIONS**

### **Peer Reviewed Journal Articles (Student and trainee authors underlined)**

1. The effects of modernization and migration on Samoan blood pressure. **ST McGarvey** and PT Baker. Human Biology 1979; 51:461-479.
2. Modernization effects on familial aggregation of Samoan blood pressure. **ST McGarvey**, D. Schendel and PT Baker. Medical Anthropology 1980; 4:321-338.
3. The effect of modernization on spouse concordance in American Samoa. G.D. James, **ST McGarvey**, PT Baker. Human Biology 1983; 55:634-652.

4. Psychological impact of the diagnosis of gestational diabetes. A. Spirito, C. Williams, L. Ruggiero, A. Bond, **ST McGarvey**, D. Coustan. Obstetrics and Gynecology 1989; 73: 562-566.
5. Blood pressure in infancy. **ST McGarvey**, S.H. Zinner. Seminars in Nephrology 1989; 9: 260-26.
6. Impact of social support and stress on compliance in women with gestational diabetes. L. Ruggiero, D. Spirito, A. Bond, D. Coustan, **ST McGarvey**, Diabetes Care 1990;13 (4): 441-443.
7. The Senior Care Study: does inpatient interdisciplinary geriatric assessment help the family care-givers of acutely ill older patients. R.A. Silliman, **S.T. McGarvey**, P. Raymond, M.D. Fretwell. J Am Geriatric Soc 1990; 38:461-466.
8. The Senior Care Study: a controlled trial of a consultative/unit- based geriatric assessment program in acute care. M.D. Fretwell, P.M. Raymond, **S.T. McGarvey**, N. Owens, M.L. Trainee, R.A. Silliman, V. Mor. J. Am. Geriatric Soc. 1990; 38:1073-1081.
9. Maternal and fetal health locus of control during pregnancy: A comparison of women with diabetes and nondiabetic women. A. Spirito, L. Ruggiero, **ST McGarvey**, D Coustan, K Low, J Reprod. & Infant Psych 1990; 8:195-206.
10. Maternal prenatal dietary potassium, calcium, magnesium, and infant blood pressure. **ST McGarvey**, SH Zinner, WC Willett, B Rosner, Hypertension 1991;17:(2):218-224.
11. Obesity in Samoans and a perspective on its etiology in Polynesians. **ST McGarvey**. Am J Clin Nutr 1991; 53 (6): 1586S-1594S. PMID: 2031491.
12. Stress, coping and social support as mediators of the emotional status of women with gestational diabetes. A Spirito, L Ruggiero, A Bowen, **ST McGarvey**, A Bond, D Coustan. Psychology and Health 1991; 5:111- 120.
13. Morbidity due to Schistosomiasis japonica in the People's Republic of China, PM Wiest, G Wu, S Zhang, J Yuan, P Peter, **ST McGarvey**, M Tso, R Olveda, GR Olds. Trans Roy Soc Trop Med Hyg 1992; 86:47-50.
14. Biocultural predictors of age increases in adult blood pressure among Samoans. **ST McGarvey**. Am J Human Biology 1992; 4:27-36. PMID: 28524402 DOI: 10.1002/ajhb.1310040106.
15. Mood state of women with diabetes during pregnancy. A Spirito, L Ruggiero, D Coustan, **ST McGarvey**, A Bond. J of Reprod and Infant Psych, 1992; 10:29-38.
16. Child growth, and Schistosomiasis japonica in Northeastern Leyte, The Philippines: cross-sectional results. **ST McGarvey**, G Aligui, BL Daniel, P Peters, R Olveda, GR Olds. Am J Trop Med Hyg 1992; 46:571-581.
17. Temporal changes and rural urban differences in cardiovascular disease risk factors and mortality in the People's Republic of China. Zhai S, **ST McGarvey**. Human Biology 1992; 64: 807-819.
18. Population change in adult obesity and blood lipids in American Samoa from 1976-78 to 1990. **ST McGarvey**, PD Levinson, L Bausserman, D Galanis, C Hornick. Amer J of Human Biology 1993; 5:17-30.
19. Child growth, nutritional status and Schistosomiasis japonica in Jiangxi, People's Republic China: **ST McGarvey**, G. Wu, S. Zhang, Y. Wang, P. Peters, G. R. Olds, P.M. Wiest. Am J. Trop. Med. Hyg 1993; 48: 547-553.

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14. Research Faculty in Medical, Nursing and Public Health Schools. **ST McGarvey**, GD James. In AS. Ryan (ed.) *A Guide to Careers in Physical Anthropology*. Greenwood Publishing Group, 137-150, 2002.
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**Abstracts** (abstracts available by request)

### INVITED PRESENTATIONS

- 1) Blood pressure of Samoans in Hawaii and American Samoa. S.T. McGarvey. In a symposium: *Biological and Social Consequences of Migration and Modernization among Samoans*. American Anthropological Association. Los Angeles. 1978.
- 2) Biomedical characteristics of the Samoan community in Hawaii. J.M. Hanna and S.T. McGarvey. In *Man and the Biosphere Conference: Migration and Adaptation to Environmental Change: Processes in Socioeconomic and Biological Evolution*. Honolulu. 1981.

- 3) Modernization and Health in Samoans. S.T. McGarvey. Colloquium. Department of Anthropology, Brown University. 1982.
- 4) Margaret Mead, Derek Freeman and Anthropological Research. Colloquium and Roundtable Discussion. Department of Anthropology, Brown University. 1983.
- 5) Modernization, emotion and blood pressure among Samoan women. S.T. McGarvey and M. Weishaar. Citation Paper. Annual Meeting, the Society of Behavioral Medicine, Philadelphia. 1984.
- 6) Salt Taste and Blood Pressure: Work in Progress. S.T. McGarvey, S.H. Zinner, L. Lipsitt, B. Rosner, W. Oh. International Symposium on the Early Pathogenesis of Primary Hypertension. Rotterdam, The Netherlands. 1986.
- 7) Neonatal Salt Taste and Infant Blood Pressure. S.H. Zinner, L. Lipsitt, S.T. McGarvey. NIH Investigators Meeting. Bethesda, MD. Nov. 13. 1986.
- 8) Urinary Kallikrein and Blood Pressure in Infants and Children. S.T. McGarvey, S.H. Zinner, H.S. Margolius, B. Rosner. Symposium on Renal Function, Hypertension and Kallikrein-Kinin System. Sapporo, Japan, December 7-9, 1987.
- 9) Neonatal Salt Taste and Infant Blood Pressure. S. T. McGarvey. University of Sapporo, Department of Psychology Colloquium. Sapporo, Japan, December 9, 1987.
- 10) The Impact of Modernization on Human Biology and Health. S.T. McGarvey. Shanghai 2nd Medical University. Shanghai, People's Republic of China, Dec. 11, 1987.
- 11) Genetic and Environmental Influences on Childhood Blood Pressure. S.T. McGarvey. Shanghai 2nd Medical University, Shanghai, P.R. of China, Dec. 18, 1987.
- 12) Psychosocial Factors and Blood Pressure in Modernizing Samoans. S.T. McGarvey. Departmental Colloquium. Department of Anthropology, University of Massachusetts, Amherst, MA. April 4, 1988.
- 13) Maternal Pregnancy Diet and Infant Blood Pressure. S.T. McGarvey. Brown University Pediatrics Division Colloquium. July 19, 1988.
- 14) Human Adaptability and Modernization of the Socio-Economic Environment. S.T. McGarvey. In a Symposium on Biological Approaches to Health and Life-Style Change. American Anthropological Association, Phoenix, AZ, November 17, 1988.
- 15) Biological Anthropology Perspectives on Schistosomiasis. S.T. McGarvey. Research Institute for Tropical Medicine, Manila, Philippines, May 16, 1989.
- 16) Economic Modernization in Polynesia and Cardiovascular Disease. S.T. McGarvey. Nanjing Medical College, Nanjing, China, June 3, 1989.
- 17) Malnutrition, Child Growth and Schistosomiasis. S.T. McGarvey. Jiangxi Provincial Institute of Parasitic Diseases, Nanchang, Jiangxi, China, June 7, 1989.
- 18) Progress Report on Schistosomiasis Project in Jiangxi, China. S.T. McGarvey. Brown University Population Studies and Training Center Summer Lectures, July 19, 1989.
- 19) Child Growth and Schistosomiasis in the Philippines and China. S.T. McGarvey, B. Daniel, M. Tso, G.L. Aligui, R. Olveda, Wu, G., Zhang, S., Wiest, P., Olds, G.R. WHO/Rockefeller Tropical Disease Research - 1st Annual Meeting, Bangalore, India, Dec. 4-8, 1989.

- 20) A Perspective on the Etiology of Obesity in Polynesians, Focusing on Samoans. S.T. McGarvey. National Institutes of Health, National Heart, Lung and Blood Institute. Workshop on obesity in minority populations, Bethesda, MD. August 28-29, 1990.
- 21) Human Biological and Health Responses to Economic Modernization in Samoa. S.T. McGarvey. Seminar Talk, Yale University School of Medicine, Department of Epidemiology and Public Health, January 14, 1991.
- 22) Temporal Changes in Obesity and Lipids in American Samoa. S.T. McGarvey. Pacific Science Congress, Honolulu, May 30, 1991.
- 23) Malnutrition, Child Growth and Schistosomiasis japonica. S.T. McGarvey. Pacific Science Congress, Honolulu, May 31, 1991.
- 24) Schistosomiasis and Child Growth. S.T. McGarvey. Jiangxi Institute for Parasitic Diseases, Nanchang, Jiangxi China, July 6, 1991.
- 25) Nutrition, Child Growth and Schistosomiasis in the Philippines and China. S.T. McGarvey. Department of Anthropology and Medical Scholars Program, Case Western Reserve University, Cleveland, Ohio, February 11, 1992.
- 26) Biocultural Approaches to Samoan Modernization. S.T. McGarvey. Department of Anthropology and Medical Scholars Program, Case Western Reserve University, Cleveland, Ohio, February 12, 1992.
- 27) Demographic Aspects of Modernization in Samoa. S.T. McGarvey. Brown University, Population Studies and Training Center, Summer Lectures, July 8, 1992.
- 28) Nutrition, Child Growth and Schistosomiasis japonica: population surveys and effects of treatment with praziquantel. S.T. McGarvey, R. Olveda, E. Aligui, G. Wu, S. Zhang, P.M. Wiest, G.R. Olds. Japan - U.S. Cooperative Medical Science Program. Twenty-seventh Joint Conference on Parasitic Disease Maeboshi, Japan. July 14-18, 1992
- 29) Schistosomiasis japonicum in the Philippines and China: Epidemiology and approaches to control. G.R. Olds, R. Olveda, G. Wu, P.M. Wiest, S.T. McGarvey. Schistosomiasis Research Project Meeting, Egyptian Ministry of Health, Cairo, Egypt, February 20, 1993.
- 30) Lecture Series on: Modernization and Health in Western Samoa: Department of Health, Government of Western Samoa. S.T. McGarvey. June 4-9, 1993.
  - June 4 - Dietary Changes in Samoa and Cardiovascular Health.
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  - June 9 - Cardiovascular Risk Factors: Report on 1991 Survey.
- 31) Epidemiological and human biological studies on adiposity and cardiovascular disease risks in Samoans. S.T. McGarvey. University of Auckland, Department of Anthropology Seminar Auckland, New Zealand. June 30, 1993
- 32) Adaptive perspectives on psychosocial, biological, and health responses to modernisation: The Samoan case. S.T. McGarvey. University of Auckland, Department of Anthropology Seminar Auckland, New Zealand. July 01, 1993
- 33) Nutritional status, child growth and cognition in children with schistosomiasis japonica. S.T. McGarvey. International Symposium on Schistosomiasis. Manila, and Palo, Leyte, the Philippines. November 9, 1993.

- 34) Cognitive function and polyparasitism in Chinese school children. Partnership for Child Development Workshop. Tarrytown, New York. February 14, 1994.
- 35) Adiposity and cardiovascular risk factor: Results of 2-year follow-up. S.T. McGarvey. Western Samoa Department of Health, Apia, Western Samoa. April 6, 1994.
- 36) Biocultural perspectives on fertility in Western Samoa. S.T. McGarvey, A. Brewis. Brown University Working Group in Anthropology and Demography Colloquium, April 21, 1994.
- 37) Randomized studies of anti-schistosomal drugs on nutritional status and cognitive function in the Philippines and in China. S.T. McGarvey, G. Aliqui, R. Olveda, Wu, G., Liu C., L. Shiue, C. Nokes, G.R. Olds. National Institute of Health, National Institutes of Allergy and Infectious Disease. International Centers for Tropical Disease Research, Second Annual Meeting. Bethesda, MD. April 28, 1994.
- 38) Approaches towards control of Schistosomiasis japonica: Population-based chemotherapy and vaccine development. PM Wiest, JD Kurtis, BL Ramirez, G Wu, S Zhong, ST McGarvey, RM Olveda, GR Olds. Workshop on the Molecular Biology of Schistosoma japonicum. Ministry of Public Health / Tropical Disease Research. Nanjing Medical University, People's Republic of China. October 24-26, 1994.
- 39) Modernization, lifestyle and health. S.T. McGarvey. Symposium on Hormones, Health and Behavior. Human Biology Association Meetings, Oakland, California. March 29, 1995.
- 40) Biocultural aspects of social changes in Samoa. S.T. McGarvey. Department of Anthropology Colloquium, University of Massachusetts, Amherst, October 30, 1995
- 41) Government of Western Samoa Health Department Lectures. S.T. McGarvey.
  - Report on 4-year Longitudinal Study, May 22, 1996
  - Overweight and Heart Disease, May 29, 1996
- 42) Discussant for Symposium: Biocultural Approaches to Studies of Human Reproduction. American Anthropological Association Annual Meeting, San Francisco, November 20, 1996.
- 43) Cardiovascular Risk Factors in Modernizing Samoans. Research Colloquium. University Physicians Foundation, The Miriam Hospital, February 20, 1997.
- 44) Psychosocial Factors and CVD Risk in Modernizing Samoans. Dept of Community Health, Brown University, April 10, 1997.
- 45) Report on Samoan Adiposity and Cardiovascular Disease Risk Factors Study. Department of Health, Western Samoa, Apia, W Samoa, June 11, 1997.
- 46) Childhood and Adolescent Growth in Modernizing Samoans. ST McGarvey, MS Steele. The Eighth International Congress of Auxology: Human Growth and Development. Philadelphia, July 2, 1997.
- 47) Nutrition and Parasitism in Children in Developing Countries. Lead Lecture at a Workshop Pigs and People: Similarities and Differences with Respect to Parasites and Nutrition, The Centre for Experimental Parasitology, The Royal Veterinary and Agricultural University, Copenhagen, Denmark, December 3, 1997.
- 48) Multidisciplinary Studies of Schistosomiasis japonica in The Philippines and

- China. Danish Society of Parasitology & The Danish Society for Tropical Medicine, Winter Meeting, Copenhagen, Denmark, December 4, 1997.
- 49) Multidisciplinary Perspectives on Community Studies of Schistosomiasis japonica in the Philippines and China. International Workshop, "The Epidemiology and Host-Parasite Relationships of Schistosoma japonicum in Definitive Hosts", Wuxi, Jiangsu Province, China, September 8, 1998.
  - 50) Samoan Adiposity and Cardiovascular Risk Study: Genetic, Evolutionary and Adaptive Perspectives. Workshop on Anthropological and Primate Genetics. Southwest Foundation for Biomedical Research, San Antonio, Texas, November 20, 1998.
  - 51) Biobehavioral and Evolutionary Perspectives on Samoan Responses to Modernization. Colloquium, Department of Anthropology, State University of New York, Binghamton, March 5, 1999.
  - 52) Multidisciplinary Perspectives on Schistosomiasis japonica in China and The Philippines. Departmental Seminar, Department of Biological Sciences, State University of New York, Binghamton, March 5, 1999.
  - 53) How to Integrate International Health into Your Career. Faculty Panel. International Health Medical Education Consortium (IHMEC) Annual Meeting, Boston University Medical School, October 23, 1999.
  - 54) Modernizing Samoans and Cardiovascular Risk: Environmental, Genetic and Evolutionary Perspectives. Departmental Colloquium, Department of Environmental Health, University of Cincinnati Medical Center, October 27, 1999.
  - 55) Genetic Epidemiology Studies among Samoans. Women in Science & Engineering (WISE) at Brown University, April 4, 2000.
  - 56) Behavioral, Environmental and Genetic Perspectives on Samoan Human Biological Responses to Modernization. Departmental Colloquium, Department of Anthropology, Harvard University, September 22, 2000.
  - 57) International Health Research Prospectus: Compound Social & Economic Factors, Seasonality, Childhood Nutritional and Immune Status, Morbidity and Mortality. Brown University Population Training & Studies Center Colloquium, Nov. 16, 2000.
  - 58) Integrating International Health into Your Professional Career. Professional Panel. New England Regional International Health Medical Education Consortium (IHMEC) Medical Student Conference, Massachusetts Medical Society, October 6, 2001.
  - 59) Ecology and Transmission of *S japonicum* in The Philippines: A Research Prospectus. Stakeholders' Meeting on Environmental Management of *Schistosoma japonicum* in the Philippines. Sponsored by WHO Program in Experts in Environmental Management (PEEM), Palo, Leyte. The Philippines, October 18-20, 2001.
  - 60) Ecology and Transmission of *Schistosoma japonicum* in Rice Farms in the Visayas, The Philippines. Colloquium Working Group on Anthropology and Population. Brown University, Nov. 9, 2001.
  - 61) Obesity, Hypertension and Type 2 Diabetes in Modernizing Samoans. Renal and Hypertension Group, Dept of Medicine, Rhode Island Hospital, January 18, 2002.
  - 62) Evolutionary and Adaptive Perspectives on Samoan Obesity and Diabetes. Department of Anthropology Colloquium, State University of New York at Albany, January 25, 2002.

- 63) Two Colloquia in the Environmental Health Colloquium for the Watson Institute for International Studies International Scholars of the Environment program. A. Environmental Health in Developing Nations: Epidemiology and Context January 23, 2002.  
B. Ecology and Transmission of *Schistosoma japonicum*: A Case Study in Environmental Health, January 30, 2002.
- 64) Ecology & Transmission of *S. japonicum* in The Philippines. Network Meeting Ecology of Infectious Diseases. Fogarty International Center, NIH, June 12-14, 2002.
- 65) Obesity and Diabetes as Public Health Problems in the Developing World. The Leadership Alliance, Summer Research Early Identification Program. Brown University, July 12, 2002.
- 66) The Changing Burden of Disease in Developing Nations. Villanova University-Howard Hughes Medical Institute Summer Research Institute in Biology, Computing & Mathematics. Villanova, Pennsylvania, July 18, 2002.
- 67) Nutrition and Health in Modernizing Samoans: Evolutionary and Adaptive Perspectives. Invited talk in a Symposium "Modernization and Biocultural Adaptation among Populations of the Asia-Pacific Region". International Union of Anthropological and Ethnological Sciences Inter-Congress, Tokyo, Sept. 23, 2002.
- 68) AIDS International Training and Research Program (AITRP) at Brown University. Colloquium at Nanjing Medical University, Nanjing, Jiangsu Province, China, November 4, 2002.
- 69) Teaching International Health. Informal Roundtable. Nanjing Medical University, November 6, 2002.
- 70) Gene-Environment Interactions: Recent Research in Samoa. In a Symposium, Is Our Fate Determined by Our Genes? Dept of Mental Hygiene, Johns Hopkins University School of Public Health, Nov 15, 2002.
- 71) Genetic Epidemiology of Obesity and Type 2 Diabetes in Samoans. University of Alaska, Anchorage, Sept 24, and University of Alaska, Fairbanks and Center for Alaska Native Health Research, Sept 26, 2003.
- 72) Why Study Genes? Genetic Epidemiology of Adiposity and Type 2 Diabetes in Samoans. Population and Studies Training Center, Brown University, Nov 6, 2003.
- 73) Ecology and Transmission of *Schistosoma japonicum* in the Philippines. Dept of Ecology & Evolutionary Biology. Brown University, Nov 10, 2003.
- 74) Samoan Obesity, Diabetes and CVD Risk Factors. Division of Endocrinology, Dept of Medicine, Brown University Medical School and Hallett Diabetes Cntr. Lifespan Academic Medical Center, Nov 25, 2003.
- 75) Genetic Epidemiology Studies of Type 2 Diabetes and Obesity in Modernizing Samoans. University of Alabama-Birmingham, Clinical Nutrition Research Center & Statistical Genetics Group, Mar 9, 2004.
- 76) Nutrition and Health of Modern Samoans. Course lecture in ANBR 354 Nutrition & Evolution, University of Michigan, Dept of Anthropology, March 18, 2004.
- 77) History, Evolution and Adaptation in Samoan Biology and Health. Colloquium, Department of Anthropology, University of Pennsylvania, March 24, 2004.
- 78) The Global Burden of Disease. 37<sup>th</sup> Annual Meeting of the Association for Population/Family Planning Library and Information Centers-International. Boston,

- March 30, 2004.
- 79) Quantitative trait linkage mapping studies in Samoa. Invited presentation in Symposium “QTL Mapping in Biological Anthropology”. A joint symposium of the American Association of Anthropological Genetics and the American Association of Physical Anthropology. Annual Meeting, Tampa, FL, April 16, 2004.
  - 80) Puberty, immunity and malnutrition in *Schistosoma japonicum*. Invited presentation in Symposium “Human Ecological Immunology: Models and Methods for Future Research”. Joint Symposium of American Association of Physical Anthropology and Human Biology Association, Annual Meeting, Tampa FL, April 16, 2004.
  - 81) Ethical Issues in International Research. In “It’s a Small World”, an IRB seminar on international research. Brown University and Lifespan, Dec 6, 2004.
  - 82) Prevalence of the metabolic syndrome in Samoans . Invited Symposium presentation in “The Metabolic Syndrome: Epidemiological, Methodological, Genetic, and Cross-Cultural Perspectives.” Joint Symposium of American Association of Physical Anthropology and Human Biology Association, Annual Meeting, Milwaukee, April 7, 2005.
  - 83) Nutrition, Genes and Health of Modern Samoans. Monell Chemical Senses Center, Philadelphia, PA. March 28, 2006.
  - 84) Association of human and animal *S. japonicum* infection in the Philippines. International Research in Infectious Diseases Annual Meeting May 30, 2006. NIH/NIAID, Bethesda, Maryland.
  - 85) Socioeconomic influences, CVD Risk Factors and Economic Development in the Samoas. 32nd School of Biological Anthropology. In a symposium "Biological, Cultural and Environmental Linkages: Current Research and Future Trends". Organized by the Croatian Anthropological Society, Institute for Anthropological Research, and Croatian Medical Association. Zagreb, Croatia, June 10, 2006.
  - 86) Obesity and Health of Contemporary Samoan Women: Epidemiologic and Applied Anthropology Perspectives. In a symposium "Anthropological Perspectives on Women and Obesity". International Institute for Advanced Studies in Anthropology. Hvar, Croatia, June 14, 2006.
  - 87) Samoan Biology and Health: History, Adaptation and Applied Research. Loughborough University College of Human Sciences. December 13, 2006.
  - 88) Biology and Health: History, Adaptation and Applied Research. Cells to Society Program and Department of Anthropology Colloquium, Northwestern University, February 5, 2007.
  - 89) Samoan Biology and Health: History, Adaptation and Applied Research. Charles J. Hoff Memorial Annual Lecture. Research Infrastructure Minority Institutions Program, University of Hawaii, Hilo. February 19, 2007.
  - 90) Samoan Biological Responses to the Nutrition Transition: Health, History, Adaptation and Applied Research. Cornell University, Program in International Nutrition Colloquium. October 25, 2007.
  - 91) Temporal Trends in Obesity and CVD Risk Factors in Samoans. American Samoa Community College, Land Grant Program. Pago Pago, American Samoa, Jan 14, 2008.
  - 92) Applied Public Health Research on Non-Communicable Diseases among Samoans. Samoa Ministry of Health and Oceania School of Medicine. Jan 16,



- 2008, Apia, Samoa
- 93) Implications of the Rise in Non-Communicable Diseases for Applied Health Research. Program in Appropriate Technology in Health (PATH), Seattle, Jan 22, 2008.
  - 94) Health Responses to Economic Development in Samoans: Biological, Behavioral and Applied Research. Grand Rounds. Center for Primary Care and Prevention. Memorial Hospital, Brown University, Pawtucket, RI. Feb 12, 2008.
  - 95) Nutrition Transitions in the Samoas and South Africa. Africa Centre for Health and Population Studies, University of KwaZulu-Natal, Mtubatuba, S Africa. March 11, 2008.
  - 96) Interdisciplinary Perspectives in Global Health. Case Western Reserve University, Dept of Anthropology. Combined undergraduate and graduate courses in global health. Feb 12, 2009
  - 97) Public Health in the Samoas: Anthropology, Nutrition and Translational Research. Case Western Reserve University, Lecture Series in Global Health, Culture and Change. February 12, 2009.
  - 98) Schistosomiasis in The Philippines: Transmission, Ecology & Future Directions. Case Western Reserve University School of Medicine. Medical World Health Interest Group, Center for Global Health and Disease. February 13, 2009.
  - 99) Developing Country Children and the Nutrition Transition: Etiologic and Applied Research. Brown University, Pediatric Global Health Interest Group Lecture Series, February 17, 2009
  - 100) Interdisciplinary Studies of the Nutrition Transition in South Africa. 7<sup>th</sup> Annual Wits/Brown/Colorado/APHRC Colloquium on Emerging Population Issues. Boulder, CO, May 5, 2009.
  - 101) Investigating Population Health and Wellbeing. Biological Anthropology of Health in the 21<sup>st</sup> Century. From Describing Variation to Understanding Determinants. 35<sup>th</sup> School of Biological Anthropology, Croatian Academy of Sciences and Arts, Zagreb, Croatia, June 10, 2009.
  - 102) Investigations of the Determinants of non-communicable diseases of lifestyle in Samoans. Workshop of the 35<sup>th</sup> School of Biological Anthropology, Institute of Anthropology, Zagreb, Croatia. Dubrovnik, Croatia, June 12-13, 2009.
  - 103) The Epidemiologic Transition: The Burden of Disease in Industrialized and Developing Countries. Invited Lecture in Plenary Session ‘Rich Bug Poor Bug – Human Microbiota in the Industrialized and Developing World’. American Society for Microbiology Annual Meeting, New Orleans, May 24, 2011.
  - 104) Epigenetics, human biology and health responses to modernization in the Samoan Archipelago. Anthropology of Transition and Tradition. 33<sup>rd</sup> International Workshop on Anthropology and Health. Hvar, Croatia, Sept 12-15, 2012.
  - 105) Behavioral Intervention to Improve Diabetes Care: Evidence from a Randomized Trial in American Samoa. Translating Research into Healthy Native Hawaiian and Pacific Islander Communities. Plenary Presentation, Los Angeles, Sept 23-24, 2012.
  - 106) Ecology & Transmission of Schistosomiasis. Marine Biological Laboratory (MBL) & Brown University meeting on Environment and Health, MBL, Woods Hole, MA, Nov 9-10, 2012
  - 107) A Community Health Worker Behavioral Intervention to Improve Diabetes

- Control in American Samoa. Vanderbilt University Diabetes Research & Training Center, Oct 25, 2013.
- 108) Temporal and Developmental Approaches to Human Biology and Health in Samoans. In a symposium 'Comparative Advantage: Global Perspectives on Human Biology and Health'. American Association for the Advancement of Science 2014 Annual Meeting, Chicago, Feb 16, 2014.
  - 109) Interdisciplinary Approaches to the Nutrition Transition: Obesity and Health in Modernizing Samoans. Division of Nutritional Sciences Colloquium. Cornell University. Feb 24, 2014.
  - 110) Interdisciplinary Approaches to the Nutrition Transition: Obesity and Health in Modernizing Samoans. Yale University, Department of Anthropology, Bioanthropology Group, March 27, 2014.
  - 111) Four lectures in American Samoa May 28-June 5, 2014: Community Health Workers and Diabetes Control and Infant Feeding and Obesity.
  - 112) Interdisciplinary Approaches to the Nutrition Transition: Obesity and Health in Modernizing Samoans. University of Michigan, Dept. of Epidemiology, Sept 18, 2014.
  - 113) Community health worker intervention to improve diabetes control in American Samoa. First Int'l Pacific Health Conference. Auckland, NZ. Nov 3-5, 2014.
  - 114) Interdisciplinary Approaches to the Nutrition Transition: Obesity and Health in Modernizing Samoans. Department of Molecular Medicine and Pathology, University of Auckland Medical School, Nov 5, 2014.
  - 115) Temporal Trends in CVD Risk Factors and the Need for Public Health Interventions in Samoans. 5<sup>th</sup> Bilateral Samoa Health Summit, Pago Pago, American Samoa, Nov 12, 2014.
  - 116) Obesity and the Nutrition Transition in Samoans. Max Planck Institute for Cognitive Neurosciences. Leipzig, Germany Dec 16, 2014.
  - 117) Interdisciplinary Approaches to the Nutrition Transition among Samoans. University of Maryland, Maryland Population Research Center. Nov 30, 2015.
  - 118) Interdisciplinary Approaches to the Nutrition Transition among Samoans. Brown University Global Health Research Day, Faculty Lecture, April 21, 2016.
  - 119) Identification of a new obesity gene in the Samoan population. Queenstown Medical Research Week, Mapnet Diabetes and Obesity Satellite, Sept 2, 2016. Nelson, New Zealand.
  - 120) Interdisciplinary Perspectives on Samoan Biological Responses to Modernization: Evolutionary, Genetic, Nutritional and Sociocultural Factors. Sept. 5, 2016. University of Otago, Dunedin, NZ.
  - 121-3) Identification of a new obesity gene in the Samoan population. Several Brown University Research Groups: Population Studies and Training Center, Sept 15, 2016; Center for Computational Molecular Biology, Oct 11, 2016; Center for International Health Research, Oct 18, 2016.
  - 124) Identification of a new obesity gene among Samoans. Tulane University School of Public Health, Dept of Epidemiology, New Orleans, LA, April 21, 2017.
  - 125) Interdisciplinary Perspectives on Samoan Biological Responses to Modernization: Evolutionary, Genetic, Nutritional and Sociocultural Factors. University of Maryland Medical School, Nutrition & Obesity Research Center, May 7-8, 2017.

- 126) Genetics, History, Human Biology and Health among Samoans. 3rd International Founder Populations Conference. The Discovery Research in Founder Populations (DRIFT) Program. October 14, 2019. Houston, Texas.
- 127) Samoan Population History, Biology, Evolution and Public Health, 1975-2025. Yale University, Department of Anthropology, April 18, 2025.

## **MENTOR, TRAINING AND TEACHING EXPERIENCE**

### Physician Scientist Mentor

2002-2006 Primary Mentor for K23-AI52125 Physician Scientist Award to Jennifer Friedman, MD, entitled “Mechanisms of *S. Japonicum* related malnutrition and anemia”.

### Postdoctoral Fellow Mentoring

2019-21 Primary Mentor for Grace Mbutia, RN, PhD, Lecturer, Department of Community Health, College of Health Sciences, Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya. Supported by The Consortium for Advanced Research Training in Africa (CARTA),

2009-11 Primary Mentor for Nicola Hawley, PhD, Human Biology & Genetic Epidemiology of Samoans. International Health Institute, Brown University

1996-98 Primary Mentor for Alexandra Brewis, PhD, Anthropological Demography, Mellon Foundation Fellow at Brown University.

1993-95 Primary Mentor for Daniel J Galanis, PhD, Nutritional Epidemiology, International Health Institute, Brown University.

### PhD Student Dissertation Committees -Brown University, N= 24

2020-24 PhD Committee member, Amanda Ruiz, ‘Whole Proteome Differential Screening for the Identification of Novel Schistosomiasis Japonica Vaccine Candidates’, Pathobiology Graduate Program.

2019-21 Chair, PhD committee, Courtney Choy, ‘Longitudinal growth, obesity, and cardiometabolic risk in Samoan children’, Dept of Epidemiology.

2019-20 PhD Committee member, Tracy Madsen, ‘A Sex-Specific Approach to Stroke Epidemiology and Prevention’. Dept of Epidemiology.

2017-22 PhD Committee member, Chantel Pheiffer, ‘For Better or Worse? Geographic Mobility, Place, and Health in a Transitioning Context’, Dept of Sociology.

2016-19 PhD Committee member, Brianna Osetinsky, ‘HIV and Non-Communicable Disease: Integrated Modeling and Evaluation of Chronic Care in Africa’, Dept. of Health Service, Policy & Practice.

2016-19 PhD Committee member, Yashas Vaidya, ‘Determinants and Metrics of Community Context and Health Outcomes in the Presence of Urban Transformations’, Dept of Sociology.

2017-19 PhD Committee member, Qing Liu, ‘Genes, Lipids, and Their Interactions on Obesity and Coronary Heart Disease’, Dept of Epidemiology

2017-18 PhD Committee member, Mengna Huang, ‘Dietary Carbohydrates, Associated Biomarkers and Genetic Risk in Cardiometabolic Diseases’, Dept. of Epidemiology.

2014-17 Chair, PhD Committee, Ida Sahlu, ‘Estimating the Burden of Neurological Disorders in Low-Resource Settings’, Dept. of Epidemiology.

2015-16 PhD Committee, Jessica Shoaf, ‘Prenatal phthalate exposure and childhood

- obesity', Dept. of Epidemiology.
- 2010-11 Ph.D. Committee, Haley Menard Cash, "DNA Methylation of Repeat Regions in Human Cancer and Metabolic Disease", Pathobiology Graduate Program.
- 2009-11 Ph.D. Committee, Nicholas Everage, "Clustering of Risk Factors and Health Disparities in African Americans". Epidemiology Program, Dept of Community Health.
- 2008-11 Ph.D. Committee, Kartik Venkatesh, "Combining HIV prevention and treatment in Southern Africa and India: implications for care delivery in resource-limited settings." Epidemiology Program, Dept of Community Health.
- 2008-11 Ph.D. Committee, Jian Gong, "Physical Activity and Acute Myocardial Infarction: Acute and Chronic Effects Modified by Genetic Variations." Epidemiology Program, Dept of Community Health
- 2007-09 Ph.D. Committee, Mario Jiz, "Vaccine Development in Schistosomiasis japonica: Paramyosin as a leading candidate." Pathobiology Graduate Program.
- 2007-09 Ph.D. Committee, Julia R. DiBello, "Dietary Patterns and Cardiovascular Disease in Three Populations: US Adolescents, Samoan Islanders and Costa Ricans". Epidemiology Program, Dept of Community Health.
- 2003-06 Chair of Ph.D. Committee, Amara Ezeamama, "Polyparasite Helminth Infections, Anemia and Cognitive Impairment in School-Age Children", Epidemiology Doctoral Program, Dept. of Community Health.
- 2003-05 Ph.D. Committee, Christian Nixon, "A Population-Based Approach to Malaria Vaccine Candidate Identification". Pathobiology Graduate Program.
- 2003-05 Ph.D. Committee, Adina Batnitzky, "Obesity in Women in Morocco", Department of Sociology.
- 2001-05 Ph.D. Committee, Catherine Stiff Andrzejewski, "Health Knowledge and Child Health in Coastal Ghana", Department of Sociology.
- 2000-02 Ph.D. Committee, Kubaje Adazu, "Migration and child mortality in a rural Ghanaian setting", Department of Sociology.
- 1995-97 Ph.D. Committee, Gemiliano Aligui, "Quantifying human *Schistosoma japonicum* infection and exposure: errors in field diagnosis and uncertainties in exposure measurements", Dept. of Community Health.
- 1993-96 Ph.D. Committee, Jonathan Kurtis, "Candidate vaccine antigen against *Schistosomiasis japonica* is homologous to a family of actin-binding proteins", Pathobiology Graduate Program.
- 1989-89 Ph.D. Committee, Donald Pate, "Postmortem chemical changes in buried bone: an investigation of environmental formation processes at the Roonka archaeological site, South Australia, Dept. of Anthropology.

PhD Student Dissertation Committees –Other Universities, Total of 6

- 2016-19 PhD Committee, Kendall Arslanian, "Early Life in Samoa: Nutritional and Genetic Predictors of Infant Body Composition and an Analysis of Maternal Attitudes toward Breastfeeding." Dept. of Anthropology, Yale University.
- 2007-09 Ph.D. Committee, Mushfiq Tarafder, "Co-infection of Geohelminths and Schistosomiasis in Samar, The Philippines". University of Oklahoma Health Sciences, Department of Epidemiology and Biostatistics.

- 2000-04 Ph.D. Committee, Heather Lindstrom, “Aging and health in elderly Samoans” Case Western Reserve University, Dept of Anthropology.
- 2000-2 Ph.D. Committee, Diana Sherry, “Reproductive seasonality in chimpanzees and humans: ultimate and proximate factors, Harvard University, Dept. of Anthropology.
- 1999-03 Ph.D. Committee, Audrey Choh, “The Genetics of obesity and obesity related factors among Samoans”, SUNY Albany, Dept. of Anthropology.
- 1987-89 Ph.D. Committee, Daniel Galanis, “Serum lipids in modernizing Samoans”, Cornell University, Div. of Nutritional Sciences.

MPH, ScM, MS and MA Student Thesis Director & Reader - Brown University (N=37)

- 2023-24 Director, MPH thesis (Epidemiology), Stephanie Munthe DDS, ‘Moderated – Mediation Analysis of CREBRF Gene and Type 2 Diabetes among the Samoan Population: The Role of Adiposity and Alcohol Consumption’
- 2019-21 Director, ScM Thesis (Epidemiology), Kathleen Kuesters, ‘Determination of Fasting HDL and LDL Correlates in Samoan Men and Women in 2017-19’.
- 2021 Reader, ScM Thesis (Global Public Health), Michelle Abuna, ‘The Association Between HIV Status Acceptance and Antiretroviral Adherence Among Recently Diagnosed Individuals in Coastal Kenya’.
- 2018-19 Director, MPH Thesis, Majesta M. Kitts. ‘Stigma as a determinant of non-adherence to antiretroviral therapy in HIV/AIDS patients around the world: A narrative literature review’, and ‘Spatial analysis of malaria outbreaks and geographic land coverage by various water features across the Indian sub-continent’.
- 2018-19 Director, MPH Thesis, Chin Chin Ch’ng. ‘Survival of Elderly and Non-elderly End-stage Renal Failure Patients with and without Dialysis’ and ‘Prevalence of Proteinuria in the Malaysian Indigenous and Ethnic Minorities and Its Risk Factors’.
- 2018-19 Director, ScM Thesis (Epidemiology), Grace O’Brien. ‘AMH Levels and Correlates in Samoan Women’.
- 2017-18 Director, MPH Thesis, Anita Yun. ‘Interactions of CREBRF variant by diet and physical activity on adiposity in adult Samoans’.
- 2017-18 Second Reader, MPH Thesis. Kaitlin Goodman. ‘From Community Health Workers to Community Health Coaches: A Physical Activity Intervention to Address Obesity-Related Chronic Disease Amongst Women in South African Townships’.
- 2018 Second Reader, MPH Thesis, Kelsey Kanik, ‘Barriers to Implementing Screening and Intervention Measures in Primary Care Settings’ & ‘Implementing Hepatitis C Testing Protocols in Primary Care Settings for Adults Born Between 1945 and 1965’.
- 2016-17 Director MPH Thesis, Duha Kalthoum, ‘Understanding Obesity: Review of the Effect in Measurements Error’, and ‘Prevalence of Metabolic Health and Obesity Trends Among Adult Samoans in a Cross-Sectional Study’.
- 2016-17 Second Reader, MPH Thesis, Ewodaghe O. Harrell, ‘Patient Engagement and Advocacy Guide’ & ‘Burden of Identity: Describing experiences of students diagnosed with chronic illness or disability at Brown University’.

- 2016-17 Second Reader MPH Thesis, Bianca Falcone, 'Review of water exposure assessment methods in schistosomiasis', and 'Comparison of exposure measurements within *S. japonicum* endemic villages in Leyte, The Philippines'.
- 2016-17 Second Reader MPH Thesis, Aditi Rawat, 'A review of Barriers to Adherence to Medication in India', and 'Prescriptions, Perceptions and Resistance - A qualitative study to understand public perceptions of antibiotic prescriptions and how it might lead to antibiotic resistance'.
- 2016-17 Second Reader MPH Thesis, Hugo Petitjean, 'The impact of migration on health access in South Africa'.
- 2015-16 Second Reader, MPH Thesis, Naz Karim, 'Evaluating the Impact of a Prehospital Needs Assessment and Training Intervention on Process Indicators and Outcomes Amongst Prehospital Patients in Rwanda' and 'Epidemiology of Prehospital Patients with Head Injury at a Tertiary Hospital in Rwanda'.
- 2014-15 Director, MPH Thesis, Nirdeh Tuladur, 'Geographic Visualization and Spatial Analysis of Contraception Use Variation by Region in Kenya'.
- 2014-15 Director, MPH Thesis, Mila Shakya, 'Changes in Maternal Blood Pressure during Pregnancy and Birth Outcomes among American Samoan'.
- 2014-15 Second Reader, MPH Thesis, Meagan Durso, 'The Association Between Parental and Caregiver Psychiatric History and Child Mental Health DSM-IV Diagnoses Among a Nationally Representative Sample of Chileans' and 'The Association between Parental Post Traumatic Stress Disorder and Child Mental Health DSM-IV Diagnoses among Chileans Post the 2010 Earthquake and Tsunami'.
- 2014-15 Second Reader, MPH Thesis, Kristen E. Morgan, 'Determinants of Mental Health Services Utilization in Guatemala.'
- 2013-14 Director, MPH Thesis, Shuo Huang, 'Cost effectiveness of a community health worker intervention on type 2 diabetes in American Samoa, and Social remittances and cigarette smoking in Samoa'.
- 2013-14 Director, MPH Thesis, Joshua Freeman, 'An exploratory study on fathers' roles in infant feeding in American Samoa, and Frequency, Timing, and Adequacy of Screening for Gestational Diabetes Mellitus in American Samoan Women'
- 2013-14 Reader, MA Thesis in Sociology, Yashas Vaidya, " Biosocial pathways and ethnic differentials in childhood anemia: regression analysis of the NDHS 2006".
- 2012-13 Second reader MPH Thesis, Stacy S Manolas, "Barriers to Physical Activity and Associations with Stage of Change and Physical Activity among Employees Participating in the Working on Wellness Evaluation Cohort".
- 2010-12 Director, MPH thesis, Courtney Cunningham, "Adolescent American Samoans Attitudes about Obesity and Obesity Interventions"
- 2010-12 Director, MPH thesis, Prajula Mulmi, "Socioeconomic Factors in Undernutrition among Nepalese Mothers and Children"
- 2008-10 Director, MPH Thesis, Stefanie I. Hyde, "Body Image, Obesity and HIV in KwaZulu-Natal, South Africa".
- 2008-09 Director, MPH Thesis, Lauren Wier, "Metabolic Syndrome in Samoan Adolescents."
- 2006-07 Second reader MPH Thesis, Nichole McCalvin, "Migration and HIV

- Risk in South Africa”.
- 2004-06 Director, MPH Thesis, Meredith Bergey, “Lifestyle, stress and health in Samoans”.
- 2004-06 Director, MPH Thesis, Emily Elstad, “Living with ma’i suka: a qualitative study of American Samoan perceptions of diabetes.”
- 2005-06 Second reader MPH Thesis, Dana Cignelario, “Antecedent factors in relation to HIV/AIDS and risk taking behaviors: A study of very young adolescents in rural South Africa”.
- 2004-05 Second reader, M.S. thesis in Biostatistics, Farren Briggs. “Longitudinal Data Analysis: A Transitional Ordered Logistic Approach: Understanding the Two-year impact of Praziquantel Treatment for *Schistosoma japonicum*- induced Hepatic Fibrosis”.
- 2004-05 Second reader, MPH thesis, Sok Phan, “A Cambodian Hospital Survey of Demographic and Clinical Characteristics of HIV Patients, and the Sexual Behavior of Male Partners prior to their HIV Infection.”
- 2004-05 Second reader, MPH thesis, Nguyen Cong Vu, “The effects of migration on HIV/AIDS knowledge and practice in married women in Vietnam”.
- 2004-05 Director, MPH Thesis, Julia Finkelstein, “Global Burden of Disease due to *Schistosoma japonicum*: An analysis of disability-related outcomes in endemic schistosomiasis”.
- 2002-04 Director, MPH Thesis, Lien Quach, “Knowledge, Attitudes and Practices about HIV/AIDS in Vietnamese Physicians”.
- 1998-00 Second Reader, M.A.Thesis in Sociology, Eunike Sri Tyas Suci, “HIV/AIDS Risk in female commercial sex workers in Yogyakarta, Indonesia.”
- Master’s Degree Theses – Reader for Other Universities – total of 4
- 2015 Renu Nadkarni, MPH Thesis, Yale University, “Impact of Maternal Demographics on Infant Feeding Habits in American Samoa.”
- 2012 Sara Hamid, MPH Thesis, Yale University, “Impact of a Diabetes Control and Management Intervention on Healthcare Utilization in American Samoa: A Retrospective Cohort Study”.
- 2008 Kathryn Lafond, MPH Thesis, Emory University “A Coupled SIS Model of Schistosomiasis Transmission and Control in the Philippines”.
- 2008 Meaghan House, MPH Thesis, Emory University “Association of Maternal Obesity, Socioeconomic Status, and Health Beliefs with Overweight among Samoan Children and Adolescents”.
- Undergraduate Thesis Director/Primary Reader, Brown University – Total of 58
58. Naomi Desalegne, 2024, Public Health, ‘Urban-rural Differences in and Sociodemographic Correlates of the Hypertension Care Cascade in Samoa in 2010’.
57. Rachel Warner, 2023, Public Health, ‘Predictors of Tobacco Smoking Cessation and Initiation among Samoan Adults’.
56. Clara Warmath, 2022, Public Health, ‘Correlates of Physical Activity in Samoan Children’.
55. Athena Feng, 2020, Public Health. ‘An Investigation of Sleep and Hypertension among Adult Migrants and Non-Migrants in South Africa’.
54. Bella Ehrlich, 2020, Public Health. ‘Palliative care integration in pediatric oncology: Alignment of physician perspectives with WHO guidelines in 11 Eurasian countries’.

53. Danielle Advani, 2018, Public Health. 'Examining dietary fatty acids in 21st century Samoan foods and health'.
52. Trevor Anesi, 2018, Public Health. 'The influence of sociodemographic and household characteristics on childhood anemia prevalence in Upolu, Samoa'.
51. Madison Rodman, 2018, Public Health. 'Influences on Maternal Perceptions of Infant Body Size in Samoa'.
50. Anita Yun, 2017, Public Health, 'The Association of Dietary Intake with CREBRF Variant rs373863828 in Samoans'.
49. Madeline Pesec, 2016, Public Health, 'Systematic Review of Interventions to Reduce Health and Health Care Disparities in US Latino Populations'.
48. Thomas Arns, 2015, Human Biology, 'Nutritional Status, Schistosomiasis Infection and Hepatic Morbidity in Children and Adolescents from Leyte, Philippines'.
47. Jeanette Sternberg-Lamb, 2015, Development Studies, 'Maternal attitudes and practices towards a healthy pregnancy in American Samoa'.
46. Inga Holmdahl, 2014, Community Health, "Infant body size perceptions and feeding methods in American Samoa".
45. Hasina Maredia, 2014, Human Biology, "Toward a Better Understanding of Obesity-Influenced Menstrual Cycle Irregularity: the Samoan Case".
44. James Roose, 2014, Computational Biology, "Obesity, Identity by Descent Estimation and Recent Positive Natural Selection in Samoa".
43. Briana Borgolini, 2014, Human Biology, "The impact of annual case finding and treatment for *Schistosomiasis japonica* on individual and community levels of childhood nutritional status in Leyte, Philippines".
42. Sheena Wood, 2013, Community Health, "Mental health in American Samoa: A mixed methods analysis".
41. Stephanie Lee, 2012, Human Biology, "Body composition and menstrual patterns in Samoan Women".
40. Danielle Crumley, 2012, Human Biology, "Alcohol and Tobacco Use among Samoan Adults in 2010".
39. Katherine R Gannett, 2011, Development Studies, "Bridging National and Cultural Differences through Sport: The Case of the Football for Hope Festival 2010".
38. Carolyn A Brown, 2011, Human Biology, "Barriers to Prenatal care in American Samoa"
37. Andrew A Seiden, 2011, Anthropology, "Food Trade Liberalization, The Nutrition Transition, and Health Outcomes in the Pacific".
36. Benjamin Rome, 2010, Community Health, "Samoan Children's Physical Activity Levels as a Risk Factor for Childhood Obesity".
35. Gabriel Heiderich, 2010, Human Biology, "Assessment of Physical Activity as Measured by Doubly-Labeled Water and Accelerometry in Samoan Children".
34. Samuel Urlacher, 2009, Human Biology. "Müllerian-Inhibiting Substance: Exploring an Important New Marker for Ovarian Function in the Samoan Islands."
33. Michelle Lam, 2009, Human Biology. "The Family: A Framework for Type 2 Diabetes Intervention in American Samoa".
32. Sarah Raifman, 2009, Development Studies. "Obesity in American Samoa: Structural Causes and Policy Solutions".
31. Edgar Woznica, 2009, Development Studies. "Income Inequality and Obesity: Understanding the Pathways".



30. Marisa Roberts, 2008, Human Biology. "The Effect of Obesity on the Menstruation of Samoan Women".
29. Helen M. Lamphere, 2008, Development Studies, "The cultural context of obesity: Adolescents' perspectives on weight, diet, and exercise in American Samoa".
28. Jeanette Saraidaridis, 2007, Human Biology, "Influences on Birth Weight in American Samoa".
27. Adam Akullian, 2007, Environmental Science, "Spatial Patterns of Schistosomiasis: A watershed approach to measuring *S. japonicum* environmental risk and human and animal disease outcomes".
26. Gavin M. Mayers, 2006, Anthropology, "An Analysis of the Relationship between Stress Biomarkers and Stature in an Adult Samoan Population."
25. Priya Batra, 2005, Community Health, "Modernization, Status Inconsistency and Serum Lipids in Adult Samoans".
24. Stephen Hendriksen, 2004, Human Biology, "The Effect of Dietary Intake on Lipidemia in Modernizing Samoans".
23. Ember Keighley, 2004, Human Biology, "'I Wanna be like Tua': Physical Activity and Health in the Samoas".
22. Kathryn Lafond, 2004, Human Biology, "The Power of Cheese: TV, Socioeconomic Factors and Childhood Obesity in Samoa".
21. Nathaniel C. Taplin, 2003, Development Studies, "'Weak People Can't Give Much Milk': Time energy and the microeconomics of breastfeeding in the developing world".
20. Charlotte Arrington, 2002, Human Biology, "Epidemiology of Reversal of Schistosomiasis-induced liver fibrosis after Praziquantel Treatment in Leyte, The Philippines".
19. Meredith Bergey, 2002, Community Health, "Urinary Catecholamines and Stress in Modernizing Samoans".
18. Ahou Meydani, 2001, Human Biology, "Childhood Obesity in Samoa".
17. Rebecca Center, 2000, Development Studies, "Poverty, Ethnicity and Pediatric Asthma in Rhode Island".
16. Asaf Bitton, 1999, Community Health, "Modernization, Psychosocial Stress, and Blood Pressure in Samoans".
15. Rebecca Chernock, 1999, Human Biology, "The Interaction of Menopause and ApoE Genotype on Lipid and Lipoprotein Levels in Samoan Women".
14. Edward Peter Freer, 1998, Development Studies, HIV Knowledge, Attitudes and Practices among American Samoan Youth.
13. Elizabeth P. Renza, 1996, Human Biology, 'Undernutrition and increased risk of re-infection with schistosomiasis'.
12. Kirsten Becker, 1996, Health and Society, 'Ambulatory Blood Pressure in Modernizing Samoans'.
11. Heather Terbell, 1995, Human Biology, "Anger Expression and Blood Pressure in Modernizing Samoans"
10. Vandana Reddy, 1995, Community Health, "Body Image in American Samoan Women"
9. Jeremy Hess, 1995, Community Health, "Documentation and Evaluation of the Pilot Outreach Series of FIGHT HIV, a Filipino Adolescent AIDS Prevention Program"
8. Aimee Afable, 1995, International Relations, "The Sexual Act Between the Child and the Client: The Collision of Poverty and Politics, A multi-disciplinary approach to understand the plight of child prostitutes in the Philippines"

7. Matthew S. Steele, 1994, Anthropology, "Anger Expression in Modernizing Samoans"
6. Felice Banson, 1994, Applied Mathematics and Biology, "The Effects of Pregnancy Outcomes and Infant Survival of Praziquantel Treatment During Pregnancy in Leyte, Philippines".
5. Emily Lloyd, 1994, Development Studies, "Traditional and Western Health Care Systems in Ecuador".
4. Elize Gershater, 1993, Human Biology, "Fourteen Year Changes in Adiposity and Blood Pressure in Samoans"
3. Peter Chin-Hong, 1992, Health and Society, "Lifestyle Incongruity and Blood Pressure in a Modernizing Samoan Population"
2. Elizabeth Eller, 1991, Human Biology, "Socioeconomic Factors, Water Exposure and Growth in a Poor Rural Philippine Population Endemic for Schistosomiasis"
1. John Cuzzo, 1988, Biophysics "Fat Patterning and Blood Pressure in Samoans"

Second Reader of Senior Thesis - Brown University Undergraduates – Total of 26

26. Erin BP Miller, 2019, Public Health. Emerging Strategies with the Double Burden of Malnutrition amongst Nutrition Assistance Programs in Urban Centers of Developing Countries.
25. Hanna Shepherd, 2019, Public Health, 'The Burden of Malnutrition and Food Insecurity Among US Resettled Refugees: A Critical Review of the Literature and Case Study'.
24. Madeline Pese, 2016, Latin American & Caribbean Studies, 'The Compelling Case of Costa Rica'.
23. Emma Lamothe, 2014, Community Health, 'Infant feeding practices and maternal beliefs among low-income women'.
22. Hannah Cockrell, 2013, Development Studies, "Community-based Integrated Management of Childhood Illness: Reducing under-five morbidity and mortality in Rwanda".
21. Christina Santana, 2011, Community Health, "The Dynamics of the Doctor/Patient Relationship for Type 2 Diabetes Intervention in American Samoa"
20. Elizabeth Adler, 2011, Development Studies, "Practicing Good Medicine: A community-based diagnosis and prognosis for promoting obstetric care access & use in rural Nepal".
19. Melanie Zuch, 2010, Development Studies, " 'A Virus and Nothing Else:' The effect of antiretrovirals on HIV-related stigma.".
18. Rashid Hussain, 2010, Anthropology, "Partition to Polio: How the Marginalization of India's Muslims Impedes a Global Eradication Effort".
17. Erica Moen, 2008, Environmental Studies, "Vehicle Emissions and Health Impacts in Abuja, Nigeria".
16. Bharati Kalasapudi, 2007, Community Health, "Measles Control: Vaccine Policy in India".
15. Nadia Diamond-Smith, 2006, Human Biology, "Fertility Decision Making in Rural Tamil Nadu, India: The impact of family planning, gender preference and dowry".
14. Niketa Williams, 2005, Human Biology, "HIV in South Africa".
13. Paola Gilsaz, 2005, Community Health, "A Detailed Look at Infant Mortality Rates in Brazil".
12. Sangeeta Tripathi, 2004, Development Studies, "Refugees and Rights".
11. David Shield, 2003, Latin American Studies. "Prognosis Guarded: Argentina's Health Care System and the Current Economic Crisis".
10. Kristina Treanor, 2002, Biology, "Identification of a *Plasmodium falciparum* vaccine candidate".
9. Brenda Anosike, 2002, Biology, "Purification of a 22.6-kDa *Schistosoma japonicum* Protein

expressed in *E. coli*; a potential vaccine candidate”.

8. Julie Solomon, 2001, Biology, “Twelve degrees of separation: Producing Sj67 as a potential vaccine candidate for *Schistosomiasis japonica*.”

7. Carla Chibwasha, 2000, Community Health, “Prenatal HIV Testing Acceptability in Zambia”.

6. Heather Marlowe, 1999, Health and Society. “Chagas Disease in Bolivia: Implementation of a national program in Tarija, Bolivia”.

5. Vanessa Wolfman, 1998, International Relations, “Transforming Social Development: The Political Economy of Health in Zimbabwe”.

4. Clare Barrington, 1998, Health and Society. “Local Perceptions of Oral Rehydration Therapy Efficacy in Two Villages in the Dominican Republic”.

3. Katharine Kulkarni, 1997, Anthropology, “HIV/AIDS in Female Commercial Sex Workers in India”.

2. Max A Shapiro, 1997, Biology, “Hepatic Lipase Activity on Samoan HDL”.

1. Tilly Gurman, 1995, Development Studies, “Smoking Policy and Health in Latin America”.

#### Research by Brown University Medical Students

Scott Allen 1990; Katherine Mason 1992; Peter V. Chin-Hong 1992-4; Jonathan Kurtis 1995-96; Jennifer Friedman 1995-96; Linda Shiue 1996; Sara Newman 1998; Pooja Sarin 1998; Vandana Reddy 1999; Joshua Schiffman 2000; Sarah Maier 2003; Adam Shur 2017, Alexander Gould 2018.

#### Undergraduate Teaching and Research Awards (Primary Supervisor in Summer)

Heather Terbell - 1994 in American Samoa; Kirsten Becker - 1995 in Western Samoa; Jonathan Newman - 1996 in American Samoa and Western Samoa;

Edward P Freer - 1997 in American Samoa; Asaf Bitton - 1998 in American Samoa;

Meredith Bergey – 2000 in American Samoa, Justa Piasecka – 2001, at Brown University;

Meredith Bergey – 2001 at Brown University; Charlotte Arrington - 2001 at Brown University

Catherine Oswald, Ember Keighley, Kathryn Lafond, James Cowan – Team UTRA 2002 in American Samoa.

Ember Keighley, Niketa Williams, Stephen Hendriksen – Team UTRA 2003 in Samoa.

Jillian Baron – 2005 in American Samoa.

Pamela Pellizari- 2007, Course Improvement for “Burden of Disease in Developing Countries”

Michelle Lam, Sarah Raifman, Samuel Urlacher – Team UTRA 2008 in American Samoa

Benjamin Rome, Gabriel Heiderich, Susanna Evarts, Kirstin Krussel - 2009 in American Samoa (Framework in Global Health Scholarship)

Carolyn Brown – 2010 in American Samoa

Clayton Aldern, Nicholas Petersdorf, Team UTRA 2011 in Samoa.

Nicholas Petersdorf, UTRA 2012 in Samoa,

Emily Liu, UTRA 2012 in Providence.

Inga Holhdahl and Ashton Strait, Team UTRA in American Samoa 2013

James Roose, UTRA in Providence 2013

Jeanette Sternberg-Lamb, UTRA in American Samoa 2014.

Anita Yun, UTRA at Brown 2016.

Mackenzie Walter, UTRA at Brown Summer & Fall 2018.

#### Leadership Alliance – Brown University Summer Early Identification Program Mentorship of Underrepresented Minority College Students

Livia Santiago-Rosado 1995; Stefanie Sykes-Allen 2007; Andre' Whittington 2008; Yesenia Roman-Lopez, 2011; Jose Rosales-Chavez, 2011.

Brown University Minority Health International Research Training Program trainees:  
In Samoa - Trevor Anesi, 2017, Hemant Kadiamada 2018, Alexa Rojas-Carroll, 2018  
Program in Liberal Medical Education Summer Research Assistantship (Supervisor)

Christine Lee - 1994, Patricia Myung - 1996, Deepica Ganta - 1998

Foreign Studies Fellowship for Premedical, Medical and MPH Students (Primary Mentor)

Enoch Choi - China 1991; Katherine Mason- Philippines 1992; Peter Chin-Hong - American Samoa 1992; Linda Shiue - China 1993; Vandana Reddy - American Samoa 1994; Jonathan Kurtis - Brazil 1995; Jennifer Friedman - Brazil 1995; Rajan Agarwal - India 1997; Justyna Piasecka - American Samoa 2000, Sarah Maier - Samoa, 2003; Emily Elstad - American Samoa 2005.

Supervised High School Research Science Volunteers

Miriam Hospital 1992-96, 5 times.

Villanova University - Howard Hughes Medical Institute

Summer Research Institute in Biology, Computing & Mathematics - Research mentoring for seven students and four teachers from three American Samoa high schools. Topics: international health & cardiovascular disease epidemiology.

Villanova, Pennsylvania, July 17-18, 2002.

Bates College - Outside Examiner on Undergraduate Honor Thesis

Erin Bednarek, Interdisciplinary Studies, 2005, "Diabetes in Samoa".

## **Course Teaching at Brown University**

Course Instructor/Leader:

2018-20 PHP 2710, Interdisciplinary Perspectives on Death & Disability

2013-18 PHP 1500, Global Health Nutrition. Spring semester.

2011-15 PHP 2508 Small Group for Biostatistics & Data Analysis Course. Fall 2011, Spring 2012, Fall 2012, Spring 2013. Three MPH students each semester.

2011-pres PHP 2070, MPH Core Seminar, two semesters each year.

2010-12 Public Health, PHP2220-G, Seminar Methodological & Practical Issues in Global Health Research

2006-09 Anthropology 31/ANTH 0310 - Human Evolution. Introduction to Biological Anthropology.

2003-04 Community Health BC183/184 Group Research Project: Samoa Family Study of Obesity. Two semester mentoring of 8 undergraduates as a group in independent research related to long-term Samoan research project.

1994-2020 PHP1070 (formerly BC107 & UC107): The Burden of Disease in Developing Countries. Every fall semester. Approx 40-80 students each semester.

1987-pres Biology 195/196; Community Health/Public Health 1950/1960; Independent Study for Concentrators, 96 student-semesters.

1986-89 Anthropology 31 - Introduction to Biological Anthropology

Guest Lecture in Courses:

2021-23 PHP 1070 - 1 lecture each year on The Health Transition to NCDs

2016 & 2018, 2019 – PHP 2370 Ethics and Global Health (C Kuo). Ethics of Genetic Studies.

2018-20 BIO 1070, Biotechnology and Health (J Schell). Sharing Genetic results for all.

2018, SOC 2080. Principles of Population Seminar (S Short). Burden of Disease research.

2016-18 SOC 2230. Demographic Methods (M White). Burden of Disease research.

1999-2018 BC 32/PHP 0320 - Introduction to Public Health (various faculty). One lecture on international health.

2017, 2019 ANTH 0680 - Anthropology of Food (J Leinaweaver/A Scherer). One lecture on the nutrition transition in the Pacific.

2016 BIOL 0190F - Darwinian Medicine. M Tatar. One lecture on evolutionary influences on human fatness.

2014 & 2018 ANTH1310, International Health: Anthropological Perspectives (Various faculty).

2014-6 PHP 2090, Scientific Writing in Public Health, M Lurie. NIH Review Process and Implications for Career Development Applications.

2013 PHP 2080, Ethical and Legal Issues in Public Health, E Tobin-Tyler. Ethical Issues in Global Public Health.

2013 PHP 1999, Public Health Nutrition, K Gans. Global Undernutrition and Overnutrition. Sept 2013.

2013, 2018 ANTH 1310, International Health: Anthropological Perspectives, DJ Smith. Health & Nutrition Transitions. April 2013.

2011 ANTH 0300, Culture & Health, RK Rosen. Race, biology and disease. Oct 2011.

2011 BIOL 1940Z - Ecology and transmission of schistosomiasis. K Smith. Conservation Medicine: Focus on Emerging Disease and Environmental Change. April 2011.

2010-3 PHP1920, Social Determinants of Health. E Loucks, Instructor . Stress and Health in Modernizing Samoans. February 2010.

2009 PHP2130, Human Biology for Public Health Graduate Students. E Loucks, Instructor, Immunology and Immuno-epidemiologic Research. Oct 2009.

2010-5 Global Cardiometabolic Disease Transitions. T32 lecture series. Brown Univ. Center for Research on Weight Control & Diabetes.

2008 Group Independent Study Project (GISP) on Traditional Health Systems. One class on intergration of traditional and biomedical health on non-communicable diseases.

2007 Group Independent Study Project (GISP) on Translation in Health and Medicine. One class on public health translational research.

2007-18 SOC 2230 - Techniques of Demographic Analyses. M White. One lecture on disability adjusted life years and global burden of disease. In 2018, led discussion on social perspectives on genomic studies.

2005 SO228 - Interdisciplinary Perspectives on Population Research (D Hogan) Lead discussion on biodemography.

2006 AN103- International Health: Anthropological Perspectives (D Smith). Lecture on nutrition transition, non-communicable diseases and applied health research in the Samoan archipelago. public

2005-6 AN173 - Biological Issues in Human Origins and Variability (RA Gould). One lecture on modernization and human biology and disease.

2001-6 BC 168/BC110 – International Health Care Systems (A Tinajero). One lecture/discussion on patterns of global burden of disease.

2001-4 BC 34 – Health & Human Reproduction (I Gareen). One lecture on international nutrition and women’s health.

2000 AN171 - Biocultural Anthropology (M Blakey). One lecture on international health and biological anthropology.

1999 Group Independent Study Project (GISP) on Physical Anthropology. One class on contemporary human biological variation.

1999 & 2005 BI 194.3 - Evolutionary Medicine (M Tatar & D Levey). One class on gene-environment research in human biology and health.

1999 BC 160 - Vaccine Development (P Knopf & A DeGroot). One lecture on Why we need a schistosomiasis vaccine.

1999 AN 45 – Culture and Health (M Guttman). One lecture on stress and health in modernizing societies.

1998- 2002 BI 54 - Biology of Emerging Microbial Organisms (A Campbell). Schistosomiasis lecture: transmission, morbidity and disease control.

1997-98 BC168- Nutrition Problems in Developing Countries (K Chung). One lecture on nutrition transition and health.

1995-98 AN 206- Anthropological Demography (D Kertzer), One lecture each year on biological anthropology perspectives in demography

1992-95 Biology 254 Advanced Immunology (P. Knopf & A. DeGroot) selected topics on epidemiology and vaccines.

1989 Brown University Evolution Institute for High School Science Teachers (once)

1988-93 UC107 - Burden of Disease in Developing Countries. Selected topics on socioeconomic factors and modernization. (G.R. Olds and R. Northrup - course leaders).

#### Watson Institute for International Studies, Brown University

Luce International Environmental Scholars Program 2002 – 2004, One lecture each year on environmental health with focus on Schistosomiasis.

#### Brown University: Points on the Compass: Choosing Academic Directions at Brown

Seminars for Incoming Freshman:

August 1996 - Hunger; August 1997 - Hunger and International Health

#### Brown University Summer Program

2007-2011 Global Health lecture in High School Leadership and Public Health Course

#### Brown University: Parents Weekend, October 21, 2000

The Health Transition in the Developing World

#### Teaching at Other Universities

Introduction to General Anthropology, The Pennsylvania State University (once)

Introduction to Physical Anthropology, The Pennsylvania State University & Rutgers University, Camden (seven times)

Graduate Core Seminar in Biological Anthropology, University of Hawaii (once)  
Selected topics in Preventive Medicine for 2nd-Year Medical Students, Medical College of Pennsylvania (once)

### **INTERNATIONAL FIELDWORK EXPERIENCE**

- 1972 Longitudinal research on biocultural correlates and predictors of child growth and mortality among high altitude Quechua in Peru. (Three months)
- 1975 Cross-sectional study of migration among Samoans in Hawaii. (Four months)
- 1976 Cross-sectional study in Samoan adults of modernization and risks for cardiovascular disease, including genetic and environmental interactions. (7 months).
- 1981-82 Biobehavioral study of stress in young Samoans. Field Director. (3 months)
- 1981-85 Longitudinal study of adult Samoan blood pressure. Five year follow-up of biological and psychosocial factors. (4 months).
- 1983 Health and use of hospital services by Southeast Asian migrants in Connecticut.
- 1989-93 Child growth and work performance in schistosomiasis endemic areas of Leyte, Philippines. (4 months total)
- 1989-92 Child growth and work performance in schistosomiasis endemic areas of Jiangxi, China. (2 months)
- 1990-present Prospective study of genetic and environmental determinants of cardiovascular risk factors, and childhood adiposity in Samoans. (24 months total)
- 1993-4 Cognition and Schistosomiasis in Sichuan, China. (1 month)
- 2000-6 Ecology & Transmission of *S japonicum* in The Philippines (2 months)
- 2000-5 Puberty, Immunity & Manutrition in *S japonicum* (1 month)
- 2005-6 Population, Environment and Health in Cape Coast Ghana (2 weeks).