

# CURRICULUM VITAE

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## EDUCATION AND TRAINING

### Undergraduate

1972-1975	Colorado State University, Ft. Collins, CO	B.S., 1975	Zoology
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### Graduate

1975-1979	The Ohio State University, Columbus OH	Ph.D., 1979	Genetics
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### Post-Graduate

1980-1981	University of Cincinnati, Cincinnati, OH	Post-doctoral Fellowship	Epidemiology & Biostatistics
1994	Smith College, Northampton, MA	Student	Workshop in Molecular Biology & Biotechnology
1997-1999	University of Texas at San Antonio, San Antonio, TX	Special, Non-degree student	High School Science Teaching Certification

## APPOINTMENTS AND POSITIONS

### Academic

2001-	Associate Professor	Department of Human Genetics, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA
2019-present	Vice-Chair	Department of Human Genetics, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA
1995-2001	Scientist	Southwest Foundation for Biomedical Research, San Antonio, TX
1990-1994	Associate Scientist	Southwest Foundation for Biomedical Research, San Antonio, TX
1986-1989	Assistant Scientist	Southwest Foundation for Biomedical Research, San Antonio, TX
1981-1984	Postdoctoral Scientist	Southwest Foundation for Biomedical Research, San Antonio, TX
1979-1981	Visiting Assistant Professor	Franklin & Marshall College, Lancaster, PA
1976-1979	Graduate Teaching Associate	The Ohio State University, Columbus, OH

### Non-Academic

none

## CERTIFICATION AND LICENSURE

### Specialty Certification

1999	Secondary Education Teaching Certification in Composite Science; Licensed	Texas State Board of Education
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## MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Years Inclusive	Name of Society
1979-present	American Association for the Advancement of Science
1999-present	American Heart Association – Council on High Blood Pressure

1999-2013	American Society of Bone and Mineral Research
1989-present	American Heart Association – Council on Arteriosclerosis, Thrombosis, and Vascular Biology, Fellow
1984-present	American Society of Human Genetics
2004-present	Delta Omega Honor Society
1981-2001	Texas Genetics Society
1981-1995	Genetics Society of America
1984-1997	International Genetic Epidemiology Society

## HONORS

1975	Phi Beta Kappa Honor Society Colorado State University Chapter
1975	B.S. with highest distinction, Colorado State University
1978	Phi Kappa Phi Honor Society, The Ohio State University Chapter
1985	Sigma Xi Honor Society, Texas Chapter
1986	Travel Award, 7 <sup>th</sup> Int'l Cong. On Human Genetics, Berlin, Germany
1987	Travel Award, 2 <sup>nd</sup> Int. Cong. Quantitative Genetics, Raleigh, NC
2004	Delta Omega Honor Society, Omicron Chapter, University of Pittsburgh Graduate School of Public Health
2007	James L. Craig Award for Excellence in Education, University of Pittsburgh Graduate School of Public Health

## PROFESSIONAL ACTIVITIES

### 1. Teaching

#### a. Courses Taught

<b>Years Taught</b>	<b>Course Number: Title</b>	<b>Hours of Lecture, credits Average Enrollment</b>	<b>Role in course Primary/Coordinator</b>
1978	The Ohio State University: Introduction to Genetics	5 hrs/wk, 5 credits, ~35 students	primary
1979	Franklin & Marshall College: Introduction to Genetics: lecture	3 hrs, 3 credits, ~75 students	Primary
1979	Franklin & Marshall College: Introduction to Genetics: laboratory (2 sections)	6hrs, 2 credits, ~25 students/section	Primary
1979	Franklin & Marshall College: Biology of Populations - laboratory	6hrs/wk, 2 credits, ~25 students	Primary
1980	Franklin & Marshall College: Biology of Cells and Organisms – lecture and laboratory	Lecture 3hrs/wk, lab:6hr/wk, 5 credits, ~35 students	Primary
1980	Franklin & Marshall College: Organismic Biology - laboratory	6hr/wk, 2 credits, ~35 students	Primary
1981	Univ. Cincinnati: Genetic Epidemiology (graduate)	3 hrs/wk, 3 credits, ~10 students	Primary
1985	Trinity University in San Antonio, TX: Biology and Society	3 hrs/wk, 3 credits	
1999	Thomas Clark High School, San Antonio, TX: Freshman Biology: (1 honors section, 3 regular sections, 1 special needs sections)	5 hrs/wk, 1 credit, ~30 students/section	Primary

<b>Years Taught</b>	<b>Course Number: Title</b>	<b>Hours of Lecture, credits Average Enrollment</b>	<b>Role in course Primary/Coordinator</b>
2001-2006	University of Pittsburgh: UPMC: Medical Genetics/Problem Session Leader	20 hr/semester, 0 credit, ~8 medical students	Primary
2002-2006	University of Pittsburgh: HUGEN 2025: Human Genetics Seminar	1 hr/wk, 0 credit, ~20 students	primary
2003-2007	University of Pittsburgh: HUGEN2022: Human Population Genetics	3hr/wk, 3 credits, ~25 students	Co- primary
2004-present	University of Pittsburgh: HUGEN 2049: Introduction to Public Health Genetics	3 hr/wk, 3 credits, 12-20 students	Primary
2007	University of Pittsburgh: HUGEN 2034: Introduction to Molecular and Biochemical Genetics	3hr/wk, 3 credits, ~20 students	secondary
2007-present	University of Pittsburgh: PUBHTL 2015: Public Health Biology (taught summer and fall)	2hr/wk, 2 credits, 35 students (summer) and 90 students (fall)	secondary
2008-2013	University of Pittsburgh: HUGEN 2027: Human Genetics Journal Club	1hr/wk, 1 credit, 15-30 students (fall and spring)	Co-Primary
2009-2014	University of Pittsburgh: PUBHTL 2011: Essentials of Public Health	3hr/wk, 3 credits, 30-50 students	Secondary
2011-2019	University of Pittsburgh: PUBHTL 2016: Capstone: Problem Solving in Public Health	2hr/wk, 2 credits, 50 students (fall and spring), 10-15 students (summer through 2014 and 2018)	Primary
2012-2019	University of Pittsburgh: HUGEN 2028: Human Genetics Journal Club and Peer Review	1hr/wk, 1 credit, 15-20 students (spring)	Primary
2013 - present	University of Pittsburgh: PUBHTL 1003: Introduction to Public and Global Health	4 hr/wk, 4 credits, 8 students (Summer Edge program)	Primary

<b>Years Taught</b>	<b>Course Number: Title</b>	<b>Hours of Lecture, credits Average Enrollment</b>	<b>Role in course Primary/Coordinator</b>
2013 - present	University of Pittsburgh: PUBHTL 1004: Public Health Explorations	3 hr/wk, 1 credits, 8 students (Summer Edge program)	Primary
2014-present	University of Pittsburgh: PUBHTL 1005: Internship in Public Health	3 hr/wk, 1 credits, 8 students (Summer Edge program)	Primary
2015	University of Pittsburgh: HUGEN 2029: Introduction to Gene Mapping	3 hr/wk, 3 credits, 11 students (Fall)	Secondary
2016-present	University of Pittsburgh: HUGEN 2053: Applications in Public Health Genomics	2 hr/wk, 2 credits, 12 students (Fall)	Secondary
2020 - present	University of Pittsburgh: HUGEN 2060: Chromosomes – Structure and Function	3 hr/wk, 2 credits, 30-35 students (Spring)	Primary

**b. Other Teaching** (lectures, tutorials and continuing education courses)

<b>Date(s)</b>	<b>Type of Teaching</b>	<b>Title</b>
1999, 2000	Lecture, UT Health Science Center, Medical Genetics	Multifactorial inheritance
Nov 6, 2002	University of Pittsburgh GSPH, Lecture, HuGen 2033	Variance components analyses: real world examples
Mar 14, 2003	Lesson on Population Genetics, Pittsburgh Gifted Center, Pittsburgh Public School System	Migration and Gene Flow in Human Populations
Dec 3, 2005	University of Pittsburgh Medical Center, Survival Skills and Ethics Workshop, Lunchtime Ethics Discussion Leader	“Teaching Skills”
Oct 21, 2006	University of Pittsburgh Medical Center, Survival Skills and Ethics Workshop, Lunchtime Ethics Discussion Leader	“ Job-Hunting Skills”
Feb 9, 2008	University of Pittsburgh Medical Center, Survival Skills and Ethics Workshop, Lunchtime Ethics Discussion Leader	“ Job-Hunting Skills”

<b>Date(s)</b>	<b>Type of Teaching</b>	<b>Title</b>
2007, 2008	Online Board Review Course in Medical Genetics and Genetic Counseling	“Genetics of Complex Traits”
Feb 9, 2009	University of Pittsburgh Medical Center, Survival Skills and Ethics Workshop Lunchtime Ethics Discussion Leader	“Advancing Your Career”
Nov 2009-2011	University of Pittsburgh Medical Center, CLRES Transforming Practice for Improved Health Care	“Genetics and Personalized Medicine”
Nov 6, 2014	Lecture, University of Pittsburgh Law School, LAW 5089	“Genomics and the Law”
March 21, 2019	Panel member for UPitt Women in Health Sciences Sorority	“My Career Path”

**c. Major Advisor for Graduate Student Essays, Theses, and Dissertations**

<b>Name of Student</b>	<b>Degree Awarded, Year</b>	<b>Type of Document and Title</b>	<b>Notes</b>
Xiaojing Wang	Ph.D. August 2007	Dissertation: Genetic architecture of bone-strength related phenotypes: Tobago Family Health Study	Started October 2003
John Shaffer	Ph.D. March 2008	Dissertation: Genetic epidemiology of longitudinal change in bone density in Mexican Americans: The San Antonio Osteoporosis Study	Started May 2004
Ankur Mukherjee	Ph.D. August 2008	Dissertation: Candidate gene association study of baseline and longitudinal bone-quality traits in a healthy older population	
Ryan Minster	Ph.D. June 2011	Dissertation: Pleiotropic relationships among measures of bone density, lean muscle mass, and fat mass	
Laura Kropp	MPH Dec 2011	MPH essay: The public health significance of mitochondrial diseases	
Melinda Mallon	MPH Dec 2011	MPH essay: An intern’s perspective with the United States Department of Agriculture, Food Safety and Inspection Service: Labeling and Program Delivery Division	

Name of Student	Degree Awarded, Year	Type of Document and Title	Notes
Andrew Sardella	MPH/MS: dual degree Dec 2011	MS thesis/MPH essay: Quality control study evaluating the identification, family history collection, and genetic counseling referral of individuals at-risk for HNPCC (Lynch Syndrome) within the University of Pittsburgh Medical Center System and applications to a state-wide referral system	
Uzoma Onukwubiri	MPH Apr 2012	MPH essay: Oral health and oral health disparities in Appalachia	
Megan Beck	MPH Apr 2012	MPH essay: Analysis of birth defects in Allegheny County	
Jamie Ortiz	MPH Apr 2012	MPH essay: The public health significance of Ehlers Danlos Syndrome	
Sevinc Alkan	MS Aug 2012	MS thesis: Association of muscle density and SNPs in homologs of muscle function genes in <i>C. elegans</i>	
Michelle Zorrilla	MPH Dec 2012	MPH essay: The Impact of Infertility on Public Health	
Dylan Cawley	MPH Apr 2013	MPH essay: Dental caries in early childhood: A growing public health issue	
Cassandra J. Krise	MPH Apr 2013	MPH essay: Preparing and organizing results from an ENY mutagenesis screen for congenital heart disease for public view	
Rehab Sherlala	MPH Apr 2013	MPH essay: Dental caries in children: Genetic, environment, intervention and the Center for Oral Health Research in Appalachia (COHRA)	
Kathleen Deeley	MPH Aug 2013	MPH essay: Public health genetics and dental caries: a summary of current research and a proposed public health intervention	
Kimberly Jacoby	MPH Dec 2013	MPH essay: Analysis of Recombination in an Animal Model and Humans and Relationship to Human Disease	



<b>Name of Student</b>	<b>Degree Awarded, Year</b>	<b>Type of Document and Title</b>	<b>Notes</b>
Jatinder Singh	Ph.D. Apr 2014	Dissertation: Genetic Architecture of Blood Cell Traits and Healthy Aging-related Endophenotypes in the Long Life Family Study	
Kimberly Jacoby	PhD student	tbd	
MeiKay Wong	MPH/MSGC June 2014	Mapping the Gap: Curation of phenotype-driven gene discovery in congenital heart disease research	
Cheyly Clark	MPH Dec 2014	Drug and alcohol addiction and its complex components	
Randall J Beadling	MPH Apr 2015	MPH essay: Implementing array comparative genomic hybridization in male infertility diagnostics	
Jessica Ferraro	MPH Apr 2015	MPH essay: Oral health, genetics, and public health	
Hatem Kaseb	MPH Apr 2016	MPH essay: The role of diet in gastrointestinal cancer predisposition in rural Africans and African Americans	
Emily Russell	MPH Apr 2016	Substance abuse and treatment: public health, genetics, and rehabilitation	
Katie Vitulio	MPH Apr 2016	MPH essay: Substance use disorders: treatment with genetic potential?	
Alec Howard	MPH Dec 2016	MPH essay: Genetic Factors involved in substance use disorders with review of the rising opioid epidemic	
Dyanna Person	MPH Apr 2017	MPH essay Patient barriers to initial genetic risk assessment and follow-up	
Morgan Dodson	MPH Apr 2017	MPH essay: Going forward with the AACI: Routes for improvement and the role of human genetics in delivery of cancer care	
Jordonna Bowser	MPH TBD	MPH essay: Precision Dentistry: Why dental insurance should be made more readily available for the advancement of personalized care	

<b>Name of Student</b>	<b>Degree Awarded, Year</b>	<b>Type of Document and Title</b>	<b>Notes</b>
Rehab Sherlala	PHD TBD	Relationship between IGF-1, Adiposity, and genetics in the Long Life Family Study	
Chantel Bonner	MPH Apr 2018	MPH essay: Assessing the relationship between birthweight and dental caries in children: Center for Oral Health in Appalachia	
Olivia D'annibale	MPH Apr 2018	MPH essay: Genetics and breast cancer screening in a Pennsylvanian managed care organization	
Megan Hager	MS/MPH June 2018	MPH essay: Assessing perinatal palliative care education within genetic counseling training programs: Examining accessibility of perinatal palliative care in the United States	
Michaela Holliday	MPH April 2018	MPH essay: Prevalence of inflammatory disorders in Huntington's Disease	
Jacqueline Cohen	MPH April 2019	MPH essay: Relationship between cognition and statin use by genotype at APOE and three proinflammatory cytokine loci in the Long Life Family Study	
Jerome Givi	MPH April 2019	MPH essay: Factors impacting local obesity rates in Pennsylvania	
Emma Gyursin	MPH April 2019	MPH essay: Relationship between Genetic-related Objectives among State Cancer Control Plans and Colorectal Cancer Incidence and Mortality	
Victoria Bacon	MPH April 2020	MPH essay: The effects of the Affordable Care Act on mental health in the United States	
Lauren Winter	MPH April 2020	MPH essay: Assessing JointLite – A recruitment tool for <i>All of Us Pennsylvania</i>	
Prital Patel	MPH April 2020	MPH essay: Assessment of risk factors for lung cancer incidence across counties in Pennsylvania	

<b>Name of Student</b>	<b>Degree Awarded, Year</b>	<b>Type of Document and Title</b>	<b>Notes</b>
Marilyn Ngo	MPH April 2020	MPH essay: Investigating known pathogenic variants for familial hypercholesterolemia in a Samoan population	
Lauren Garcia	TBD	MPH essay: Pharmacogenomic testing to prevent adverse drug reactions in the treatment of depressive and anxiety disorders	

**d. Service on Masters or Doctoral Committees**

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Dissertation/Essay</b>
2001-2002	Qi Chen	Ph.D., HUGEN Apr 2002	Genetic Factors in Coronary Artery Disease in Women
2003-2004	Iva Miljkovic-Gacic	Ph.D. EPI Dec 2004	Association of Hepatic Lipase and Endothelial Lipase Polymorphisms with Variation in NMR Lipoprotein Subclasses in Caucasian, African American, and African Caribbean Older Men
2004-2005	Ayla Ozturk	Ph.D. HUGEN Jan 2005	Investigation of the Relationship of Candidate Genes on Chromosome 10 with the Risk of Alzheimer's Disease and Age of Onset
Dec 2004 – Apr 2005	Michael Okobia	Ph.D. EPI Apr 2005	Estrogens, Genetic Polymorphisms, and Breast Cancer Risk
May 2004 - Apr 2005	Laura Tripi	M.S. HUGEN Apr 2005	Genetic Variation in the Paraoxonase-1 Gene and Association with Systemic Lupus Erythematosus
May 2004 - Apr 2005	Erin Jacobs	M.S. HUGEN Apr 2005	Association of Single Nucleotide Polymorphisms in the Promoter Region of the Apolipoprotein H Gene with Systemic Lupus Erythematosus
2003-2005	Monique Boudreau	Ph.D. EPI Apr 2005	The Genetics of Insulin Resistance in PCOS: Analysis of the Peroxisome Proliferator-Activated Receptor Pathway
Jan 2005 - Apr 2006	Beth Dudley	M.S. HUGEN Apr 2006	Assessing Behavioral Change in Response to Family Health Histories

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Jan 2005 – May 2006	Jocelyn Matar	Ph.D. EPI May 2006	Family Studies of PCOS and Insulin Resistance
May 2005 – June 2006	Seok Won Park	Ph.D. EPI June 2006	Accelerated Loss of Muscle Mass and Strength in Older Adults with Diabetes Mellitus
June 2005 – July 2006	Dara Berger	Ph.D HUGEN July 2006	Association Between HLA-G Polymorphisms and Recurrent Pregnancy Loss
November - December 2006	Katie Ann Dillon	MPH EPI Dec 2006	Association between single nucleotide polymorphisms in Noggin and osteoporosis
November-December 2006	Kareem Idrees	MPH EPI Dec 2006	The efficacy of antiretroviral rollout programs in developing countries: Are they working?
Jan 2005 – Mar 2007	Pei-An Betty Shih	Ph.D. HUGEN Mar 2007	Association of CRP and CR-1 Polymorphisms with Systemic Lupus Erythematosus (SLE)
Jan 2007- Mar 2007	Solomon Quaynor	M.S. BIOSTAT Apr 2007	Assortative mating as a stratification problem in genetic association studies
September 2006-Apr 2007	Xiaojing Wang	M.S. HUGEN Apr 2007	A comparison of principle component analysis and factor analysis for quantitative phenotypes on family data
Jan 2006- May 2008	Xiaojing Zheng	Ph.D. HUGEN May 2007	Genetics of SLC34A2 on sodium-lithium countertransport activity in human and baboons
September 2006 - June 2007	Feng Dai	Ph.D. BIOSTAT June 2007	Variance components models in statistical genetics: extensions and applications
Dec 2007	Albert Lee	MPH, EPI Dec 2007	Genetic variation in interleukin 1 and its association with osteoporosis phenotypes
Sept 2006- January 2008	YahTyng Sheu	Ph.D. EPI Jan 2008	Determinants of Skeletal Health in Afro-Caribbean Men
Sept 2006- Nov 2008	Sudeshna Dasgupta	Ph.D., HUGEN Nov 2008	Association of paraoxonase-2 (PON-2) genetic variation with systemic lupus erythematosus (SLE) and PON activity
May 2007 – April 2008	Melissa Watson	M.S., HUGEN, April 2008	Do baseline measures of individual and family health predict activity levels in African Americans?

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Dissertation/Essay</b>
July 2007- April 2008	Sarah Bradley	M.S., HUGEN, April 2008	Economic hardship and the emotional health of family caregivers
July 2007 – Dec 2008	Sangita Suresh	Ph.D., HUGEN, Nov 2008	Functional characterization of apolipoprotein H polymorphisms and their relation to systemic lupus erythematosus
Nov 2007 – Dec 2008	Laura Yerges	Ph.D., EPI, Nov 2008	Genetic determinants of bone mineral density in men: a candidate gene approach to studying a complex trait
Sept 2008- Mar 2009	Cecilia Rajakaruna	M.S., HUGEN, Mar 2009	Assessing the feasibility and educational impact of providing sickle cell disease education in barbershops and salons in the African American community
June 2008- Apr 2009	Chris Lauricella	M.S., HUGEN Apr 2009	How does knowledge of the Tuskegee Syphilis Study and beliefs in HIV conspiracy theories affect African American's perception of medical research?
June 2008- Apr 2009	Kim Amburgey	M.S., HUGEN, Apr 2009	An exploration of body image perception in an African American populations
Jun 2008 – Nov 2010	Hu Li	Ph.D. EPI Nov 2010	The inter-relationships among biological and genetic markers of cardiovascular, metabolic, and renal disease
Dec 2008 – Jun 2009	Myoungkeun Lee	M.S., BIOSTAT, Jun 2009	title
Jan 2009 – April 2011	Allison Kuiper	Ph.D. EPI April 2011	Genetic epidemiology of subclinical cardiovascular disease and osteoporosis indices in African ancestry families
Sept 2009 – April 2010	Sarah Woody	M.S., HUGEN Apr 2010	The role of risk perception in the physical activity level of a group of black women
Sept 2009 – April 2010	Andrea Smith	M.S., HuGen, Apr 2010	An assessment of the factors associated with the willingness of African Americans to participate in a minority research recruitment database
Sept 2009 – April 2010	Anna Mamo	M.S., IDM, Apr 2010	Folate metabolism genetic variation and heart disease risk in HIV+ men undergoing antiretroviral therapy
Oct 2009 – April 2011	Brandie Taylor	Ph.D. EPI, April 2011	The role of delayed care seeking and toll-like receptors in pelvic inflammatory disease and its sequelae

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Dec 2010	Sean Rinella	MPH, EPI, Dec 2010	The androgen receptor CAG repeat polymorphisms and risk of prostate cancer in the Tobago Prostate Survey
Jan 2011 – June 2011	Enrique Velasquez	M.S., EPI, June 2011	Association between a genetic risk factor (SIRT5 SNP) and three functional markers of brain health in older adults
Jan 2011- Apr 2015	Yerkebulon Talzhanov	PH.D candidate HUGEN	A new workflow of fetal DNA prediction from cell-free DNA in maternal plasma
Mar 2011- June 2012	Advaitha Madireddy	Ph.D. HUGEN June 2012	Novel strategies to predict patient outcomes in cancer treated with platinum-based therapy and to optimize tumor sensitivity to chemotherapy
Jan 2011 - present	Kaitlyn Kormanik	Ph.D. HUGEN Apr 2014	Characterization of the biochemical and physiological functions of acyl-CoA dehydrogenase 10
Jan 2011 – Dec 2015	Vipavee Niemsiri	Ph.D. candidate HUGEN	Genetic influence of scavenger type B class 1 and ATP-binding cassette class A1 polymorphisms on plasma lipids
Jan 2012 – Apr 2012	Alexandra Iles	MPH BCHS Apr 2012	How young adults learned about sexual health
Jan 2012 – Apr 2012	Cadence Wilson	MPH BCHS Apr 2012	A review of abstinence and anti-prostitution-related funding restrictions within the President's Emergency Plan for Aids Relief (PEPFAR)
Apr 2012 – Dec 2012	Carol Martin-Mack	MPH BCHS Dec 2012	Homophobic attitudes and stigma toward gay men and lesbians in the Caribbean: a systematic review of the literature
Sept 2012- Apr 2013	Erin Cathcart	MPH IDM Apr 2013	Association of single nucleotide polymorphisms of the MRC1 gene and dengue fever in a Brazilian population
Aug 2013- Dec 2013	Laura Smith	MS HUGEN Dec 2013	Analysis of genetic mutations contributing to congenital heart defects in an ENU induced mouse model
Aug 2013 – Dec 2013	Yetunde Toluope Banjoko	MPH IDM Dec 2013	Drug-resistant infectious diseases example of public health problems with antimicrobial antiretroviral, and antimalarial resistance in Nigeria
Sept 2013 – Apr 2014	Allison Gerger	MPH EPID Apr 2014	Choosing an optimal self-report physical activity measure for older adults: does function matter?

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Dissertation/Essay</b>
Sept 2013- Apr 2016	Lora McClain	PHD HUGEN candidate	HSV-1 infection in human iPSC-derived neurons: Cellular models for quiescence and drug discovery
Jan 2013 – Apr 2016	Megan Beck	PHD HUGEN candidate	Regulation and function of long-chain acyl-CoA dehydrogenase
Jan 2013 – Apr 2016	Nandita Mukhopadhyay	PHD HUGEN candidate	Improved computational methods for studying the genetic of recombination
Jan 2014 – Apr 2014	Adeola Idowu	MPH EOH Apr 2014	A review of the pathogenicity of the human Papilloma virus and barriers towards vaccination amongst adolescent females in the United States
Jan 2014 – Apr 2014	Dina Dunn	MPH EOH Apr 2014	The public health implications of the use of radioprotectors and radiomitigators in cumulate ionizing radiation exposure
Jan 2014 – Apr 2014	Andrew Helmy	MPH EOH Apr 2014	Hidden risks of acrylamide in everyday foods
Sep 2014- Dec 2014	David Ko	MPH IDM Dec 2014	SARS: A retrospective and examination of protocols and procedures of the hospital, patient care, and border screening
Apr 2014 – Apr 2015	Afifa Irani	MPH/MSGC HUGEN Apr 2015	Investigation of the common MELAS mutation in the northwestern Pennsylvania Amish community: Mutation frequency and effectiveness of an educational intervention
Jan 2015 – Dec 2015	Rachel Jern	MPH BCHS tbd	Program plan for the Girl Scouts of central Indiana in-school club at Otter Creek Middle School
Sept 2014 – Apr 2015	Scott McGonagle	MPH EPI Apr 2015	Effectiveness of trap spay/neuter-return programs on free-roaming cats as a form of rabies prevention
Sep 2014- Apr 2016	Amir Bahreini	PHD HUGEN Apr 2016	Identification of DNA sequence variants in the estrogen receptor pathway in breast cancer
Jan 2014 – Apr 2015	Randall J Beadling	MSGC HUGEN Apr 2015	Restoring spermatogenesis: lentiviral gene therapy for male infertility in mice
Jan 2015 – Apr 2015	Sha Wu	MPH EPI Apr 2015	The impacts of lifestyle interventions in bariatric patients: a literature review

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Dissertation/Essay</b>
Jan 2012 – Apr 2015	Yerkebulon Talzhanov	PHD HUGEN Apr 2015	A new workflow of fetal DNA prediction from cell-free DNA in maternal plasma
Oct 2014 – Apr 2015	Thupten D Phuntsog	MPH BCHS Apr 2015	Taking a closer look at the oral health need of migrant Mexican families
Oct 2014 – Apr 2015	Lauren Bealafeld	MPH BCHS Apr 2015	Initiating skin-to-skin in the operating room: Program development, implementation and evaluation
Oct 2014 – Apr 2015	Lauren E Musgrove	MPH HUGEN Apr 2015	Transition together: A study of pediatric patients with sickle cell disease as they transition to adult health care
Oct 2014 – Apr 2015	Megan Breski	MS HUGEN Apr 2015	Allele specific approach to study histone demethylation using engineered KDM4A-(2) ketoglutarate pairs
Mar 2015 – 2016	Briana McIntosh	MPH BCHS	Taking charge: Steps to Breast Health – an evaluation study of breast health program for incarcerated women at the Allegheny County Jail
Mar 2015 – Apr 2016	Erin Winchester	MSGC HUGEN	Physician attitudes and knowledge of cancer genetics and screening
Sept 2015- Dec 2015	Amin Sanei Moghaddam	MPH EPI	A systematic review on traumatic brain injury and aggression in community samples
Sept 2015- Apr 2016	Katie Holler	MPH BCHS	Weird feelings, body hair, and boys: <i>Rites of Passage</i> , a puberty focused curriculum developed for prepubescent girls at Gwen's Girls
Jan 2015- Apr 2016	Jeanine Kilgore	MPH HPM	An examination of Pennsylvania's approach to caring for children with special healthcare needs (CSHCN) and recommendations to improve access to needed services
Sep 2015- apr 2016	Sara Brooks	MPH EOH	Where OSHA and the EPA Intersect: An Examination of National Emissions Standards
Jan 2015- Apr 2016	Bess Wayburn	MPH HUGEN	Psychosocial impact of targeted exome sequencing on parents of chronically ill children
Sep 2014- Apr 2016	Alexandra Ashraf	MPH HUGEN	Analysis of support group availability for adult-onset neurological disorders in the central Appalachian region of the United States



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Jan 2015- Apr 2016	Rebecca Vanderwall	MPH/MSGC HUGEN	Evaluation of communication skills in genetic counseling training programs: a needs assessment
Jan 2015- Jun 2016	Chendi Cui	MS EPI	Marine N-3 fatty acid intake, glutathione s-transferases (GST) polymorphisms and colorectal cancer risk: the Singapore Chinese Health Study
Jan 2015 – Apr 2018	Ahmed Basudan	PHD Apr 2018	Invasive lobular carcinoma (ILC) progression and metastasis
Jan 2015 – Dec 2018	Brandon Blobner	PHD	Multidimensional exploration of blood pressure genetic and the epithelia NA+ channel
Jan 2015- April 2018	Stephen McCalley	PHD HUGEN	Elucidating the mitochondrial architecture of branched chain amino acid metabolism
Jan 2015 – Aug 2019	Andrew Sinsheimer	PHD HUGEN	Understanding ACAD0 function and the physiologic consequences of its deficiency
Sept 2016 – Apr 2017	Bryony Lynch	MS/MPH HUGEN	Assessing clinical practices and beliefs among providers following women diagnosed or at-risk for Fabry Disease
Sept 2016 – Apr 2017	Leah McGhee	MPH BCHS	
Sept 2016 – Apr 2017	Anna Zakas	MS/MPH HUGEN	The impact of genetic counseling on patient engagement
Sept 2016 – Jun 2017	Kavitha Kolla	MS/MPH HUGEN	Knowledge and attitudes about newborn screening for Fabry Disease
December 2017 - April 2018	Margaret Matthews	MPH EPID	Exceptional grip strength phenotype in the Long Life Family Study
October 2017 - April 2018	Kelsea LaSorda	MPH EPID	Heritability and risk factors for perceived physical fatigability in the Long Life Family Study
September 2017 - April 2018	Amanda Everman	MS HUGEN	Genome-wide association study and meta-analysis of missing teeth and functional dentition
July 2017 – December 2017	Megan Breski	PhD HUGEN	Engineering lysine demethylases to orthogonally probe cellular functions
Sept 2017 – Apr 2018	Ashley Sier	Certificate Public Health Genetics	Pharmaco-epidemiological analyses of comorbidities associated with intrauterine device (IUD) removal: Report on practicum experience

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Dissertation/Essay</b>
Sept 2018- Dec 2018	Yuan Yang	MPH EPI	The genetic determinants of the cardiovascular disease biomarker: n-terminal fragment of pro-B-type natriuretic peptide ( <i>NT-PROBNP</i> )_
Dec 2019- Apr 2020	Julia Yudkovic	MPH EPI	The genetic correlation between cardiometabolic disease and functional status in long-lived adults
Sept 2019- Apr 2020	Jessica Tiner	MPH HUGEN	Utility of CREBRF genotype with BMI in prediction of type 2 diabetes
Sept 2019- May 2020	Jodi Kutzner	MPH HUGEN	Association Analysis of the LTA/TNF/LTB Region on Chromosome 6p21 with Systemic Lupus Erythematosus (SLE)
Sept 2019- May 2020	Lauren Winter	MPH/MS- GC HUGEN	Pregnancy Body Mass Index and its Relationship with Maternal and Fetal Health Outcomes in Rural Appalachia
Sept 2019- present	Shannon Mance	MPH EPI	TBA

#### e. Service on Comprehensive or Qualifying Examination Committees

<b>Dates Served</b>	<b>Student Population</b>	<b>Type of Exam</b> (Qualifying/Comprehensive)
2002-present	3-4 per year Ph.D Human Genetics	Qualifying
2005-present	3 Ph.D Epidemiology	Qualifying
2005-present	1 Ph.D Environmental and Occupational Health	Qualifying
2009	1 Ph.D. Biostatistics	Qualifying
2009-present	1 per year M.S. Human Genetics	Comprehensive
2002-present	2-3 per year Ph.D Human Genetics	Comprehensive
2002-present	10 Ph.D Epidemiology	Comprehensive

#### f. Supervision of Post-Doctoral Students, Residents, and Fellows

<b>Dates Supervised</b>	<b>Name of Student</b>	<b>Position of Student</b>
1988-1990	Lyle Konigsberg	Post-doctoral Fellow
1992-1995	Larry D. Atwood	Post-doctoral Fellow

<b>Dates Supervised</b>	<b>Name of Student</b>	<b>Position of Student</b>
2003-2005	Stephen M. Roth	Mentored Research Scientist (NIH K01AG022791)
2013-2016	Jatinder Singh	Post-doctoral Fellow

**g. Mentoring of Graduate Students in Field Placements**

<b>Dates</b>	<b>Name of Student</b>	<b>Degree/Program Description</b>	<b>Field Site</b>
none			

**h. Other Teaching and Training**

<b>Dates</b>	<b>Teaching Activity</b>	<b>Program/Description</b>
June – August 1992	Susan (Hackleman) Slifer	Pre-doctoral summer student
2010-2011	Hu Li	Certificate in Public Health Genetics
2010-2011	Maria Marino	Certificate in Public Health Genetics
2013-2014	Jennifer Oakley	Certificate in Public Health Genetics
2016-2017	Curtis Tilves	Certificate in Public Health Genetics
2017-2018	Ashley Sier	Certificate in Public Health Genetics
2018-2019	Justin Dutta	Certificate in Public Health Genetics
2019-present	Shannon Mance	Certificate in Public Health Genetics

**2. Research and Training**

a. Grants and Contracts Received

**\*Active grants are in bold.**

**Principal Investigator**

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
1982-1983	Inheritance of reproductive characteristics in the baboon	Southwest Fndn Forum	\$9,480	10
1983-1984	Efficiency of linkage analysis between a marker locus and a quantitative trait	Southwest Fndn BRSG	\$10,088	10

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
1983-1885	NRSA HL06700: Genetics of atherosclerosis in baboons	NIH	\$16,638	90
1984-1985	Quantitative genetic analysis of lipoprotein phenotypes and cholesterol metabolism	Southwest Fndn Forum	\$12,183	10
1985-1986	Genetic control of breast cancer	Southwest Fndn Forum	\$13,782	10
1986-1988	R23HL35444: Genetic analysis of lipoprotein phenotypes in baboons	NIH	\$34,486	90
1986-1987	Genetic analysis of lipoprotein profiles in <i>Monodelphis domestica</i>	Southwest Fndn BRSG	\$14,978	10
1987-1988	Gene mapping in baboons	Southwest Fndn BRSG	\$15,000	10
1988-1989	Statistical characterization of major loci involved in reverse cholesterol transport	Southwest Fndn BRSG	\$15,000	10
1987-1992	P01 HL28972: Diet and Genotype in Primate Atherosclerosis. Project 5: Genetic Markers and Linkage Analysis	NIH	\$85,708	20
1992-1992	Primate Models of Depression: San Antonio Component	John and Catherine MacArthur Fndn	\$9,973	10
1990-1995	R01HL45323: Pedigree analysis of hypertension markers in primates	NIH	\$172,212	30
1991-1996	P01HL45522: Genetics of Atherosclerosis in Mexican Americans. Project 3: Genetic analysis using candidate genes	NIH	\$91,970	25
1992-1996	R01DK42273: Genetic epidemiology of NIDDM in Mexican Americans: (SFBR sub-contract)	NIH	\$39,409	25

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
1994-1999	P01 RR09919: The Laboratory Opossum. Project 2: Genetic analysis of plasma cholesterol levels	NIH	\$54,890	15
1993-2002	P01 HL28972: Diet and Genotype in Primate Atherosclerosis. Project 2: Genetic analysis of lipoproteins and dietary response	NIH	\$141,958	25
2011-2012	DNA Repair capacity: Inheritance and Correlation with Aging	CAPH (Ctr Aging & Pop Hlth)	\$20,000	10%

**Co-Principal Investigator**

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
none				

**Co-Investigator on Grants**

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
Pre-1995	No records			
1993-1996	Genetics of osteoporosis in baboons (J Rogers, PI; C Kammerer, subcontract)	Sequana Therapeutics (Axys)	\$24,210	20
1997-2001	NIH R01 AR43351: Genetics of bone density in Mexican Americans (B Mitchell, PI)	NIH	\$234,918	20
1994-1999	NIH P01 RR09919: The Laboratory Opossum. Project 1 (Cancer models) & Project 3 (Gene Mapping) (ES Robinson and PB Samollow, PI)	NIH	\$120,000	15
2001-2002	NIH R24 RR14214: Genome Resource Development in the Laboratory Opossum (PB Samollow, PI)	NIH	\$200,000	10

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
2002-2007	NIH R01 AG21024 Genetics of Musculoskeletal Aging (RE Ferrell, PI)	NIH	\$417,770	15
2003-2006	NIH R01HL060169 Functional Characterization – Lipoprotein Lipase (MI Kamboh, PI)	NIH	\$239,435	10
2003-2005	NIH R03AR050107 Genetics of BMD in Tobago, J Zmuda, PI	NIH	\$100,000	2
2003-2005	NIH R03 HD44963 Genetics of IR in PCOS: the PPAR Pathway, (E Talbott, PI)	NIH	\$100,000	2
2003-2007	NIH R01HL074165 Genetic Structure-function Studies of Paraoxonase in SLE (MI Kamboh, PI)	NIH	\$272,138	15
2002-2009	NIH D43TW06180 India-US Research Training Program in Genetics (DE Weeks, PI)	NIH	\$356,329	10
2004-2009	NIH R01AR049747 Bone Strength Phenotypes in Men: Genes and Environment, (JM Zmuda, PI)	NIH	\$499,923	10
2004-2009	NIH R01AR43351 Genetics of Osteoporosis in Mexican Americans, (BD Mitchell, PI)	NIH	\$44,526 (U Pitt sub-contract)	10
2004-2019	NIH U01 AG023744 Long Life Family Study: Families of Cohort Survivors over 90 – Study Center (A Newman, PI)	NIH	\$625,800	10, 2.5 for 2017-2019
2005-2010	NIH R01 CA084950 Molecular Epidemiology of Prostate Cancer in Tobagonians, (C Bunker, PI)	NIH	\$414,000	5
2007-2011	NIH R01 HL084613 Genetic Determinants of HDL-Cholesterol (MI Kamboh, PI)	NIH	\$464,000	20
2007-2011	NIH R01 HL088648 Prothrombin Gene Variation and Risk in SLE and CHD (MI Kamboh, PI)	NIH	\$450,000	20
2011-2013	NIH R01 HD056999 Vitamin D: A Link to Racial Disparities in Birth Outcomes (L Bodnar, PI)	NIH	\$400,000	5

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
2011-2012	NIH R01 AG033618 Wnt Genes and Skeletal Aging: From the Population to the Cell (J Zmuda, PI)	NIH	\$499,000	10
2012-2014	NIH R01 MH093723 Molecular Brain Aging: Genetic modulation and functional outcomes (E Sibille, PI)	NIH	\$500,000	5
2013-2017	US Department of Education. Rehabilomics: Revolutionizing 21 <sup>st</sup> Century TBI Care and Research (A Wagner, PI)	US Dept Education		2

**b. Invited Lectureships and Major Seminars Related to Your Research**

<b>Date</b>	<b>Title of Presentation</b>	<b>Venue</b>
Pre-1991	no record	
Jan 23, 1991	Genetics at SFBR	Foundation Forum, SFBR
Mar 6, 1992	Genetics – the new frontier in osteoporosis	The San Antonio 100
Aug 24, 1993	Major genes for NIDDM	UTHSC at SA Seminar series
Jan 24, 1994	Tilting at Windmills: searching for genes that affect common disease	SFBR Seminar series
Mar 18, 1994	Genetics of type2 diabetes in Mexican Americans	Texas Genetics Society
May 11, 1995	Genetic Engineering	Smithson Valley Middle School
July 17, 1995	Mathematical Genetics	Lee High School
Oct 2, 1996	Genetics at SFBR	Foundation Forum, SFBR
Nov 10, 2000	Genetics of blood pressure regulation in baboons	University of Pittsburgh Human Genetics Dept Seminar Series
Feb 5, 2001	Genetics of sodium cell transport characteristics in primates	University of Indianapolis Endocrinology Dept Seminar Series
May 10, 2001	Genetics of sodium lithium countertransport in primates	University of Maryland Endocrinology Department Seminar Series

### c. Other Research and Training Activities

Date	Position	Description of Activity
none		

## PUBLICATIONS

### 1. Refereed Articles

1. **Kammerer CM**, Young SSY. Directional selection for body weight in constant and variable environments in *Drosophila melanogaster*. *Heredity* 50:237-251, 1983.
2. **Kammerer CM**, MacCluer JW, Bridges JM. An evaluation of three statistics of structured exploratory data analysis. *Am J Human Genet* 36:187-196, 1984.
3. MacCluer JW, **Kammerer CM**. Power of sibship variance tests to detect major genes. In: *Human Population Genetics: The Pittsburgh Symposium*, A. Chakravarti (ed.). Van Nostrand Reinhold Company, Inc. Stroudsburg, PA. pp. 125-141, 1984.
4. MacCluer JW, **Kammerer CM**. Structured exploratory data analysis: an evaluation of the use of three SEDA statistics in assessing mode of inheritance. *Prog Clin Biol Res* 147:297-316, 1984.
5. **Kammerer CM**, Mott GE, Carey KD, McGill Jr HC. Effects of selection for serum cholesterol on serum lipid concentrations and body weight in baboons. *Am J Med Genet* 19:333-345, 1984.
6. Kennealy JA, McLennan JE, Fields C, McLaurin R, Loudin R, **Kammerer C**. Acetazolamide and cerebral oxygenation in dogs. *Clin Invest Med* 7:103-108, 1984.
7. **Kammerer CM**, MacCluer JW. Comparison of two preliminary methods of quantitative linkage analysis. *Human Hered* 35:319-325, 1985.
8. **Kammerer CM**. Genetic Analysis Workshop IV: Genetic analysis of breast cancer among Utah and Dutch families using the sib-pair test. *Gene. Epidemiol Suppl* 1:83-86, 1986.
9. Naylor S, Barnett D, Buchanan J, Latimer J, Weider K, Marshall S, Gardner J, Denning C, Gluckson M, Pinero R, Rendon H, Flores I, **Kammerer C**, Zansky S, King R, Bowman B, MacCluer J. Linkage of cystic fibrosis locus and polymorphic DNA markers in 14 families. *Am J Human Genet* 39:707-712, 1986.
10. MacCluer JW, **Kammerer CM**, VandeBerg JL, Cheng M-L, Mott GE, McGill Jr HC. Genetic mediation of lipoprotein phenotypes in baboons. *Genetica* 73:159-168, 1987.
11. VandeBerg JL, Cheng M-L, **Kammerer CM**, MacCluer JW, McGill Jr HC. Genetic and dietary mediation of lipoprotein phenotypes in baboons. In: *Proceedings, 4th Munster Arteriosclerosis Symposium*, W. H. Hauss et al., (eds.) West Deutscher Verlag, Dusseldorf, pp. 71-86, 1987.
12. Cheng M.-L., **Kammerer C**, Lowe W, Dyke B, VandeBerg J. Method for quantitating cholesterol in subfractions of serum lipoproteins separated by gradient gel electrophoresis. *Biochem Genet* 26: 657-681, 1988.
13. **Kammerer C**, MacCluer J. Empirical power of three preliminary methods for ordering loci. *Am J Human Genet* 43:964-970, 1988.



14. MacCluer JW, **Kammerer CM**, Blangero J, Dyke B, Mott GE, VandeBerg JL, McGill Jr. HC. Pedigree analysis of HDL cholesterol concentration in baboons on two diets. *Am J Human Genet* 43:401-413, 1988.
15. Hixson JE, **Kammerer CM**, Cox LA, Mott GE. Identification of LDL receptor gene marker associated with altered levels of LDL cholesterol and apolipoprotein B in baboons. *Arteriosclerosis* 9:829-835, 1989.
16. Konigsberg, L., **Kammerer C**, MacCluer J. Segregation analysis of quantitative traits in nuclear families: comparison of three program packages. *Genet Epidemiol* 6:713-726, 1989.
17. Blangero J, MacCluer JW, **Kammerer CM**, Mott GE, Dyer T, McGill Jr HC. Genetic analyses of apolipoprotein A-I in two dietary environments. *Am J Human Genet* 47:414-428, 1990.
18. Konigsberg LW, Blangero J, **Kammerer CM**, Mott GE. Mixed model segregation analysis of LDL-C concentration with genotype-covariate interaction. *Genet Epidemiol* 8:69-80, 1991
19. VandeBerg JL, Weitkamp L, **Kammerer C**, Weill P, Aivaliotis MJ, Rainwater DL. Linkage of plasminogen (*PLG*) and apolipoprotein(a) (*LPA*) in baboons. *Genomics* 11:925-930, 1991
20. Blangero J., Williams-Blangero S, **Kammerer CM**, Towne B, Konigsberg LW. Multivariate genetic analysis of nevus measurements and melanoma. *Genetic Analysis Workshop: Issues in Gene Mapping and Detection of Major Genes*. MacCluer JW, Chakravarti A, Cox D, Bishop DT, Bale SJ, Skolnick MH(eds.) *Cytogenet Cell Genet* 59:179-181, 1992
21. **Kammerer CM**, Hixson JE, Aivaliotis MJ, Porter P, VandeBerg JL. Linkage heterogeneity between *C3* and *LDLR* and the *APOA1* and *APOA4* loci in baboons. *Genomics* 14:43 48, 1992.
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23. Rainwater DL, **Kammerer CM**, Cheng M-L, Sparks ML, VandeBerg JL. Distribution of specific apolipoproteins determined by immunoblotting of baboon lipoproteins resolved by polyacrylamide gradient gel electrophoresis. *Biochem Genet* 30:143-158, 1992.
24. Atwood L, **Kammerer C**, Mitchell B. Exploring the HDL likelihood surface. *Genet Epidemiol* 10: 641-645, 1993.
25. Carey KD, **Kammerer CM**, Shade RE, Rice KS, McGill Jr HC. Selective breeding to develop lines of baboons with high and low blood pressure. *Hypertension* 21:1076-1079, 1993.
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28. Henkel RD, **Kammerer CM**, Escobedo LV, VandeBerg JL, Walsh RA. Correlated expression of atrial myosin heavy chain and regulatory light chain isoforms with pressure-overload hypertrophy in the non-human primate. *Cardiovas Res* 27:416-422, 1993.
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32. Mitchell BD, **Kammerer CM**, Reinhart L, Stern MP. NIDDM in Mexican-American families: Heterogeneity by age of onset. *Diabetes Care* 17:567-573, 1994.
33. Perelygina LM, **Kammerer CM**, Henkel RM. Restriction fragment length polymorphisms in the baboon renin locus. *Animal Genet* 25:198, 1994.

34. Clarke AS, **Kammerer CM**, George KP, Kupfer DJ, McKinney WT, Spence MA, Kraemer GW. Evidence for heritability of biogenic amine levels in the cerebrospinal fluid of rhesus monkeys. *Biol Psych* 38:572-277, 1995.
35. **Kammerer CM**. Effects of sex, age, weight, and heredity on blood pressure in baboons (*Papio hamadryas*). *Am J Hum Biol* 7:149-158, 1995.
36. **Kammerer CM**, Sparks MJ, Rogers J. Effects of age, sex, and heredity on measures of bone mass in baboons (*Papio hamadryas*) *J Med Primatol*24:236-242, 1995.
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51. Rainwater DL, **Kammerer CM**. Lipoprotein Lp(a): Effects of allelic variation at the *LPA* locus. *J Exp Zool* 282:54-61,1998.

52. Rainwater DL, **Kammerer CM**, Hixson JE, Carey KD, Rice KS, Dyke B, VandeBerg JS, Slifer SH, Atwood LD, McGill Jr HC, VandeBerg JL. Two major loci control variation in b lipoprotein cholesterol and response to dietary cholesterol in baboons. *Arterio Thromb Vasc Biol* 18:1061-1068, 1998.
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## 2. Books and Book Chapters

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122. Kamboh MI, Hollister SM, Dressen AS, Bunker CH, Hamman RF, Kammerer CM, Demirci FY. ApoA2 genetic variation and its relationship with plasma HDL-cholesterol levels. Am Soc Human Genetics 58th Annual Meeting. Abstracts: #1968, 2008
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125. Moffett SP, Yerges L, Cauley J, Marshall L, Kammerer C, Ferrell R, Nestlerode C, Ensrud K, Hoffman, AR, Orwoll E, Zmuda J. A large scale candidate gene analysis identifies an association between the cyclin-dependent kinase 6 (CDK6) locus and trabecular volumetric BMD at the lumbar spine in older men. Journal of Bone and Mineral Research 23 Suppl 1:S439, 2008
126. Shaffer J, Kammerer C, Iacovello L, Trevisan M, Ferrell R, Donahue R. Association between GP6 polymorphisms and coronary heart disease in a community-based population: The Western New York Acute MI study. American Society of Human Genetics, 58th Annual Meeting. Abstracts: #2005, 2008
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133. Zmuda JM, Yerges LM, Marshall LM, Kammerer CM, Cauley JA, Ensrud K, Nestlerode C, Ferrell R, Hallman AR, Orwoll ES. Comprehensive genetic analysis of bone volume in men: the Osteoporotic Fractures in Men Study (MrOS). Journal of Bone and Mineral Research 23 Suppl 1:S439, 2008
134. Miljkovic I, Yerges, LM, Wang XJ, Kammerer CM, Kuller LH, Bunker CH, Patrick AL, Wheeler VW, Evans RW, Zmuda JM. Association of hepatocyte nuclear factor (NHF-4) alpha gene with reduced triglycerides, glucose, and BMI in Afro-Caribbean families. AHA (submitted)

135. Li H, Miljkovic I, Bunker CH, Kammerer CM, Kuller LH, Patrick AL, Wheeler VW, Zmuda JM. Heritability of renal function measures in multi-generational families of African ancestry. 49<sup>th</sup> Cardiovascular Disease Epidemiology and Prevention Annual Conference 2009, Abst # P212.
136. Shaffer JR, Kammerer CM, Bruder JM, Bauer RL, Mitchell BD. Different genes contribute to variation in peak bone density and bone loss. *Am Soc Bone Min Res* (2009)
137. Yerges-Armstrong L, Shaffer J, Fyan K, Liu J, Kammerer C, Mitchell B. Joint genetic influences on height and bone mineral density. *Am Soc Hum Genet* (2009)
138. Yerges-Armstrong LM, Shaffer J, Bruder JM, Dyer TD, Carless MA, Blangero J, Kammerer CM, Mitchell BD. The value of mapping BWA associations across other ethnic groups: a GWA analysis of BMD in Mexican Americans. *Am Soc Hum Genet* (2009)
139. Bryant EK, Dressen AS, Hokanson JE, Hamman RF, Kammerer CM, Kamboh MI, Dermirci FY. Replication study of plasma lipoprotein levels: associate SNPs identified in recent GWAS. *Am Soc Human Genet, 60<sup>th</sup> Annual Mtg.* 2010
140. Hughes SC, Demirci FY, Dressen AS, Bunker CH, Hokanson JE, Hamman RF, Kammerer CM, Kamboh MI. Comprehensive resequencing of the CD36 gene in subjects with extremely low or high plasma HDL-C levels. *Am Soc Human Genet, 60<sup>th</sup> Annual Mtg.* 2010
141. Kammerer CM, Pratt JH, Dressen AS, Wheeler VW, Leak T, Patrick AL, Bunker CH, Newman AB, Zmuda JM. Linkage of plasma aldosterone concentration to chromosome 5 in families of African ancestry. High Blood Pressure Research Conference 2010 Scientific Sessions
142. Yerges-Armstrong LM, Shaffer J, Bruder JM, Dyer TD, Carless MA, Blangero J, Kammerer CM, Mitchell BD. The value of mapping BWA associations across other ethnic groups: a GWA analysis of BMD in Mexican Americans. *Am Soc Human Genet, 60<sup>th</sup> Annual Mtg.* 2010
143. Minster RL, Kuipers AL, Kammerer CM, Patrick AL, Wheeler VW, Zmuda JM. Pleiotropic relationships among measures of body composition in Afri-Caribbeans from Tobago. *ICHG 2011* (submitted)
144. Singh J, Yerges-Armstrong L, Shaffer JR, Curran J, Carless M, Cole S, Kent J, Dyer T, Almasy L, Mahaney M, Blangero J, Kammerer CM, Samollow PB. Genome-wide linkage and association analyses reveal quantitative trait loci that influence thyroid-related hormones. *ICHG 2011* (submitted)
145. no longer keep records of abstracts

## 7. Presentations

1. Kammerer CM, MacCluer JW, Bridges JM. Power of structured exploratory data analysis (SEDA). *Proc Texas Genet Soc, Austin, March, 1983.*
2. Kammerer CM. Efficiency of quantitative linkage analysis. *Proc Texas Genet Soc, Dallas, March 1984.*
3. Kammerer CM, Mott GE. Genotype by environment effects on serum lipid concentrations in juvenile baboons. *Genetics 107:s55, 1984.*
4. Kammerer CM, MacCluer JW, Mott GE. Evidence for major genes influencing serum lipoprotein and apolipoprotein concentrations in baboons: results of SEDA and PAP analyses. *Am J Human Genet 39:A236, 1986.*
5. Kammerer, CM. Effects of gender on blood pressure in non-human primates. *Am J Phys Anthropol Suppl 16:121, 1993*
6. Kammerer CM, Atwood LD, Hixson JE, Hackleman SM, Mitchell BD, VandeBerg JL, Haffner SM, Stern MP, MacCluer JW. Major genes affect serum levels of low density lipoprotein cholesterol and apolipoprotein B in Mexican Americans. *Circulation 90:1509, 1994.*
7. Kammerer C.M., Rainwater DL, McGill Jr HC, JvandeBerg JL. Pleiotropic genetic effects on plasma cholesterol responses to dietary fat and cholesterol in baboons. *J FASEB 8:A543, 1994.*

8. Kammerer CM, Mitchell BD, Bauer RL. Differential genetic effects on bone mineral density within and between skeletal sites in Mexican Americans. *J Bone Mineral Res* 15 (Suppl 1):S162, 2000.
9. Kammerer CM, Rainwater DL, Schneider JL, O'Leary DH, Bauer RL, Mitchell BD. Carotid atherosclerosis is associated with increased bone mineral density (BMD) in Mexican American men, but decreased BMD in women. *J Bone Mineral Res* 16 (Suppl 1):S167, 2001.
10. Kammerer CM, Mitchell BD, Schneider JL, Cole SA, Hixson JE, Perez R, Bauer RL. Quantitative trait loci for spine bone mineral density are linked to chromosome 19q in men and women and to chromosome 21q in women less than 50 years old. *J Bone Mineral Res* 17 (Suppl 1):S144, 2002.

## 8. Non-Print Media

1. Letters to the Editor: Response: Kammerer CM, Cox, LA, Shade RE. Sodium-Lithium Countertransport is linked to chromosome 5 in baboons. 2001. *Hypertension* 38(6) Web site feature: e35-e36.

## 9. Other Publications

none

## 3. Service (Professionally Related)

### a. University/Institute of Higher Learning

Years	Committee	Position
1985	SFBR Dept of Genetics Staff Meetings	Secretary (appointed)
1990	SFBR Dept of Genetics Search Committee for Skin Cancer Geneticist and Molecular Geneticist	Member (appointed)
1994	SFBR Dept of Genetics Chairperson Search Committee	Member (appointed)
1991-1998	SFBR Dept of Genetics Promotion Committee	Member (appointed)
1994-1995	SFBR Dept of Genetics Promotion Committee	Co-Organizer (volunteer)
1985-1994	SFBR High School Student Tours	Speaker - volunteer
1988-1996	SFBR Foundation Forum Tours	Speaker – volunteer

<b>Years</b>	<b>Committee</b>	<b>Position</b>
1992	SFBR 50 <sup>th</sup> Symposium	Speaker – appointed
1993	SFBR Strategic Plan: Panel 4 and Panel 5	Member – appointed
1993	SFBR Faculty Assembly Steering Committee	Member – elected
1995	SFBR Faculty Assembly Nominations Committee	Member – elected
2002, 2004, 2005, 2008	GSPH Dean's Day Committee	Volunteer - Judge
2002-	GSPH Dept of Human Genetics Curriculum Committee	Member - volunteer
2002-	GSPH Dept of Human Genetics Genetic Counseling Curriculum Committee	Member - volunteer
2002-2008	GSPH Faculty Diversity Committee	Member - elected
2003	GSPH Office of Student Affairs - Phonathon	Volunteer caller
2003	GSPH/Dept of Human Genetics: Search Committee for Research Associate (Dr. M.I. Kamboh, chair)	Ad hoc member
2003	GSPH Doctoral Student Organization – Seminar Series	Faculty advisor - volunteer
2004-2014	GSPH Core Curriculum Committee (E. Feingold, chair)	Member
2006- 2008, 2010-2015	GSPH Faculty Council	Member
2008-2015	GSPH EPCC Committee	Member, Chair from 2009 - 2015
2011- present	GSPH Dept of Human Genetics Curriculum Committee	Chair
2010- present	GSPH Public Health Genetics Program	Director
2010- present	GSPH Graduate Studies in Human Genetics	Director
2013- present	Pitt Summer Edge in Public and Global Health Program	Director
2014- present	GSPH MPH Program Committee (M. Terry – chair)	Member

<b>Years</b>	<b>Committee</b>	<b>Position</b>
2015-present	GSPH Genetic Counseling Curriculum Committee	Member
2017-2018	GSPH MPH Core Course Revision Committee - Capstone	Chair
2018-present	GSPH Faculty Appointment, Promotion, and Tenure Committee (FAPTC)	Member
2020-present	GSPH Program Director Meeting	Member

**b. Editorial Boards, Editorships**

<b>Date</b>	<b>Position</b>	<b>Organization</b>
none		

**c. Manuscript and Other Document/Publication Review**

<b>Dates</b>	<b>Journal Title</b>
1989-present	Am. J. Human Genetics
1989-present	Am. J. Epidemiol.
1990-present	Arterio. Thromb. Vasc. Biol.
2002-present	Bioinformatics
2006-present	Bone
2002-present	Circulation
2005-present	Diabetes
2004-present	European J Human Genetics
2005-present	Expert Review of Cardiovascular Therapy
1988-present	Genet. Epidemiol.
1991-present	Genomics
2007-present	Human Heredity
2002-present	Hum. Mol. Genetics
2007-present	Hypertension
2003-present	J. Bone Mineral Res.
1991	J. Med. Primatol
2004-present	New England J Medicine
2003-present	Obesity Research
2006-present	Psychoneuroendocrinology
2011-present	Osteoporosis International

<b>Dates</b>	<b>Journal Title</b>
2011-present	Expert Reviews in Molecular Medicine

**d. Study Sections, Review Panels, and Related Advisory Boards**

<b>Date</b>	<b>Position</b>	<b>Organization and Nature of Activity</b>
2002-2005	Ad hoc reviewer	NIH International and Cooperative Projects (Fogarty) Special Study Section
1993-1997	NIH Study Section Member	NIH International and Cooperative Projects (ICP/Forgary) Study Section: Reviewed proposals 3x/yr
1989- 2019	Ad hoc reviewer	NHLBI: Special Review Section for Program Projects, SCORs, RFAs, and Center grants
1988-1991	Ad hoc reviewer	NSF
2012	Ad hoc reviewer	Icelandic Center for Research, Rannis

**e. Leadership in Professional Organizations and Honorary Societies**

<b>Date</b>	<b>Position</b>	<b>Organization</b>
1992-1994	Board of Directors Member	Texas Genetics Society
1994-1995	Co-Chair Local Arrangements Co.	Texas Genetics Society
1995-1997	Co-Editor Newspaper	Texas Genetics Society
2000-2002	Chair, Nominating Committee	Texas Genetics Society
1992, 1996	Session Moderator at Annual Meeting	Am. Society Human Genetics
1993, 2000	Session Moderator at Annual Meeting	Texas Genetics Society
2008	Session Moderator at Annual Meeting	AHA High Blood Pressure Council
2010	Session Moderator at Annual Meeting	AHA High Blood Pressure Council

**f. Service to Governmental and Other Public Organizations**



<b>Date</b>	<b>Position</b>	<b>Type of Service and/or Agency</b>
1993-2001	Member	Texas Math and Science Hotline
2004-present	Member	Delta Omega Honor Society
Feb 2010	Reviewer	U.S. State Genetics Standards Analysis/ American Society of Human Genetics
April 2010	Reviewer	DNA Day Student Essays/ American Society of Human Genetics

**g. Consultantships**

<b>Date</b>	<b>Name of Consultantship</b>
none	

**4. Service (Community Related)**

**a. Service to Community-Based Organizations**

<b>Year(s)</b>	<b>Position and Organization</b>	<b>Type of Service</b>
1985	Lockhill-Selma Elementary School Science Fair	Judge
1985-1989	Expanding Your Horizons Career Workshop	Workshop leader
1994-2001	Alamo Regional Science Fair	Judge
2001	Anson Jones Middle School Science Fair	Judge
2003	Pittsburgh Gifted Center, Pittsburgh Public School System	Guest Teacher
2019	Rho Psi Epsilon (University of Pittsburgh Chapter): Women in Health Care	Panel member

**b. Service to Government Agencies**

<b>Year(s)</b>	<b>Position and Organization</b>	<b>Type of Service</b>
May 20-22, 2005	Instructor, National Society of Genetic Counselors	Board Review Course
June 3-5, 2005	Instructor, National Society of Genetic Counselors	Board Review Course
Feb 5, 2007	Instructor, National Society of Genetic Counselors	Board Review Course

**c. Other Related Service and Volunteer Activities**

<b>Year(s)</b>	<b>Position and Organization</b>	<b>Type of Service</b>
1999-2001	Villages of Westcreek Landscape Committee: Secretary and Member	Took notes at monthly meetings, responsible for landscaping and maintenance at Royal Oaks Village

**5. Clinical and Related Activities (OPTIONAL - if applicable)**

N/A