

# RYAN LEE MINSTER

· *curriculum vitae* ·

July 14, 2021

## BIOGRAPHICAL / PERSONAL INFORMATION

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Graduate School of Public Health  
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## EDUCATION & TRAINING

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### Undergraduate

1994–1998	School of Arts & Sciences University of Pittsburgh Pittsburgh, Pennsylvania	B.S., 1998	Molecular Biology
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### Graduate

2001–2003	School of Information Sciences University of Pittsburgh Pittsburgh, Pennsylvania	M.S.I.S., 2003	Information Science
2006–2011	Graduate School of Public Health University of Pittsburgh Pittsburgh, Pennsylvania	Ph.D., 2011	Human Genetics Mentor: Candace M. Kammerer, Ph.D.

## APPOINTMENTS & POSITIONS

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### Academic

<i>Dates</i>	<i>Title</i>	<i>Department &amp; School</i>	<i>Institution</i>
1998–2001	Research Specialist	Department of Human Genetics Graduate School of Public Health PI: M. Ilyas Kamboh, Ph.D.	University of Pittsburgh Pittsburgh, Pennsylvania
2001–2003	Research Specialist	Department of Orthopaedic Surgery School of Medicine PI: Constance R. Chu, M.D.	University of Pittsburgh Pittsburgh, Pennsylvania
2003–2004	Research Specialist	Department of Human Genetics Graduate School of Public Health PI: M. Ilyas Kamboh, Ph.D.	University of Pittsburgh Pittsburgh, Pennsylvania

<i>Dates</i>	<i>Title</i>	<i>Department &amp; School</i>	<i>Institution</i>
2004–2010	Research Specialist & Lab Manager	Department of Human Genetics Graduate School of Public Health PI: M. Ilyas Kamboh, Ph.D.	University of Pittsburgh Pittsburgh, Pennsylvania
2010–2012	Research Specialist	Department of Human Genetics Graduate School of Public Health PIs: Daniel E. Weeks, Ph.D. Anne B. Newman, M.D.	University of Pittsburgh Pittsburgh, Pennsylvania
2012–2013	Visiting Assistant Professor	Department of Human Genetics Graduate School of Public Health	University of Pittsburgh Pittsburgh, Pennsylvania
2013–	Assistant Professor	Department of Human Genetics Graduate School of Public Health	University of Pittsburgh Pittsburgh, Pennsylvania

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#### **CERTIFICATION & LICENSURE**

##### **Specialty Certification**

2011	Certified Mediator · 12 hours additional training in facilitation · 8 hours additional training in church mediation	Office of Dispute Resolution Nebraska Supreme Court
2012	Excellence in Teaching	Graduate School of Public Health University of Pittsburgh
2016	Associate Certification in STEM Teaching	Center for the Integration of Research, Teaching & Learning University of Pittsburgh

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#### **MEMBERSHIP IN PROFESSIONAL & SCIENTIFIC SOCIETIES**

2005–	American Society of Human Genetics
2007	Genetics Society of America
2007	American Association for the Advancement of Science
2014–	National Organization of Gay and Lesbian Scientists and Technical Professionals
2015	Gerontological Society of America
2017–	International Society of Computational Biology

## HONORS

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- 1994 University of Pittsburgh Chancellor's Scholar
- 1995 Dr Frank R. Caputo Endowed Scholar
- 1995 TΒΣ National Honorary Sorority, ΓΩ Chapter  
University of Pittsburgh
- 1998 ΚΚΨ National Honorary Fraternity, ΑΩ Chapter  
University of Pittsburgh
- 1998 B.S. *cum laude*  
University of Pittsburgh
- 2012 Best Dissertation of the Year in the Department of Human Genetics  
ΔΩ Honorary Society in Public Health, Ο Chapter  
Graduate School of Public Health, University of Pittsburgh

## PROFESSIONAL ACTIVITIES — TEACHING

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### Courses Taught

<i>Years Taught</i>	<i>Course Number Title</i>	<i>Lecture Hours; Credits Average Enrollment</i>	<i>Role in Course</i>
Fall 2011	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 70 students	Co-Director
Summer 2012 (12-wk session)	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 18 students	Co-Director
Fall 2012	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 93 students	Co-Director
Summer 2013 (12-wk session)	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 21 students	Co-Director
Fall 2013	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 57 students	Co-Director
Summer 2014 (12-wk session)	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 24 students	Co-Director
Fall 2014	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 70 students	Co-Director
Fall 2014	HUGEN 2070 Bioinformatics for Human Genetics	3 h/wk; 3 cr 19 students	Co-Director

<i>Years Taught</i>	<i>Course Number Title</i>	<i>Lecture Hours; Credits Average Enrollment</i>	<i>Role in Course</i>
Spring 2015	HUGEN 2022 Human Population Genetics	2 h/wk; 2 cr 30 students	Co-Director
Summer 2015 (12-wk session)	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 25 students	Co-Director
Fall 2015	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 57 students	Co-Director
Spring 2016	HUGEN 2080 Statistical Genetics	3 h/wk; 3 cr 4 students	Co-Director
Summer 2016 (6-wk session)	PUBHLT 2016 Capstone Course: Problem Solving in Public Health	4 h/wk; 2 cr 10 students	Co-Director
Summer 2016 (12-wk session)	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 18 students	Co-Director
Fall 2016	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 57 students	Co-Director
Fall 2016	HUGEN 2070 Bioinformatics for Human Genetics	3 h/wk; 3 cr 19 students	Co-Director
Fall 2016	HUGEN 2010 Bioinformatics Resources for Geneticists	2 h/wk; 1 cr 20 students	Director
Summer 2017 (6-wk session)	PUBHLT 2016 Capstone Course: Problem Solving in Public Health	4 h/wk; 2 cr 12 students	Co-Director
Summer 2017 (12-wk session)	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 19 students	Co-Director
Fall 2017	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 57 students	Co-Director
Fall 2017	HUGEN 2010 Bioinformatics Resources for Geneticists	2 h/wk; 1 cr 30 students	Director
Spring 2018	HUGEN 2080 Statistical Genetics	3 h/wk; 3 cr 11 students	Co-Director
Summer 2018 (12-wk session)	PUBHLT 2015 Public Health Biology	2 h/wk; 2 cr 20 students	Co-Director
Fall 2018	HUGEN 2070 Bioinformatics for Human Genetics	3 h/wk; 3 cr 17 students	Co-Director

<i>Years Taught</i>	<i>Course Number Title</i>	<i>Lecture Hours; Credits Average Enrollment</i>	<i>Role in Course</i>
Fall 2019	HUGEN 2010 Bioinformatics Resources for Geneticists	2 h/wk; 1 cr 27 students	Director
Fall 2019	HUGEN 2070 Bioinformatics for Human Genetics	3 h/wk; 3 cr 10 students	Co-Director
Spring 2020	HUGEN 2026 Genomic Data Pipelines & Tools	3 h/wk; 3 cr 5 students	Co-Director
Fall 2020	HUGEN 2010 Bioinformatics Resources for Geneticists	2 h/wk; 1 cr 55 students	Director
Fall 2020	HUGEN 2071 Genomic Data Processing & Structures	3 h/wk; 3 cr 20 students	Co-Director
Spring 2021	HUGEN 2072 Genomic Data Pipelines & Tools	3 h/wk; 3 cr 12 students	Director
Spring 2021	HUGEN 2073 Genomic Data Visualization & Integration	3 h/wk; 3 cr 9 students	Director

**Other Teaching — Lectures, Tutorials & Continuing Education Courses**

<i>Dates</i>	<i>Type of Teaching</i>	<i>Title</i>
1997-1998	Monthly 2-hour beginner courses Health Sciences Library System	Microsoft PowerPoint
1997-1998	Monthly 2-hour beginner courses Health Sciences Library System	Adobe Photoshop
2010	Two Lectures Human Population Genetics (HUGEN 2022)	Genetic Epidemiology
2014	Lecture Biology & Physiology of Aging (EPIDEM 2980)	Genetics of Longevity
2015	Lecture Diet & Exercise in Chronic Disease Management (HRS 2627)	Genetics & Chronic Disease
2016	Lecture Biology & Physiology of Aging (EPIDEM 2980)	Genetics of Longevity

<i>Dates</i>	<i>Type of Teaching</i>	<i>Title</i>
2016	Lecture Diet & Exercise in Chronic Disease Management (HRS 2627)	Genetics & Chronic Disease
2017	Two Lectures Human Genetics Journal Club & Peer Review (HUGEN 2028)	Review of Minster <i>et al. Nat. Genet.</i> 2016
2017	Lecture Faculty of Medicine Le Iunivesitē Aoao o Sāmoa National University of Sāmoa Apia, Sāmoa	A Thrifty Variant in <i>CREBRF</i> Strongly Influences BMI in Sāmoans
2017	One Lecture for Two Sections Capstone Course: Problem Solving in Public Health (PUBHLT 2016)	Conflict Resolution & Difficult Conversations
2017	Lecture Diet & Exercise in Chronic Disease Management (HRS 2627)	Genetics & Chronic Disease
2018	One Lecture for Five Sections Capstone Course: Problem Solving in Public Health (PUBHLT 2016)	Conflict Resolution & Difficult Conversations
2018	Lecture Faculty of Medicine Le Iunivesitē Aoao o Sāmoa National University of Sāmoa Apia, Sāmoa	A Thrifty Variant in <i>CREBRF</i> Strongly Influences BMI in Sāmoans
2018	Lecture Introduction to Public Health Genetics (HUGEN 2049)	Conflict Resolution & Difficult Conversations
2018	Lecture Diet & Exercise in Chronic Disease Management (HRS 2627)	Genetics & Chronic Disease

<i>Dates</i>	<i>Type of Teaching</i>	<i>Title</i>
2019	Lecture Public Health Agency Management (HPM 2081)	Conflict Transformation & Difficult Conversations
2019	Lecture Introduction to Public Health Genetics (HUGEN 2049)	Conflict Transformation & Difficult Conversations
2019	Lecture Diet & Exercise in Chronic Disease Management (HRS 2627)	Genetics & Chronic Disease
2020	Lecture Statistical Genetics (HUGEN 2080)	Gene × Gene Interactions
2020	Lecture Introduction to Public Health Genetics (HUGEN 2049)	Conflict Transformation & Difficult Conversations

#### **Major Advisor on Master's & Doctoral Committees**

<i>Dates</i>	<i>Student</i>	<i>Degree Program</i>	<i>Title</i>
2016–2019	Emily M. Russell	Ph.D. Human Genetics	Discrepant effects of <i>CREBRF</i> on obesity and metabolic phenotypes and signals of selection in Samoans
2017–2021	Rehab A. Sherlala	Ph.D. Human Genetics	Disentangling the effects of body size and genetics on insulin-like growth factor-1 and its relationship to mortality
2018–	Stephanie Mercurio	M.S. Human Genetics	Interpretation of variation in <i>BTNL9</i> and its relationship to HDL cholesterol
2018–2020	Jessica C. Tiner	M.P.H. Human Genetics	Utility of <i>CREBRF</i> genotype with BMI in prediction of type 2 diabetes
2019–	Zeynep Erdoğan-Yıldırım	Ph.D. Human Genetics	Women's reproductive health phenotype development and genome-wide association studies
2020–	Frank Swann IV	M.P.H. Human Genetics M.S. Human Genetics Genetic Counseling	Examining genetic literacy and capacity for engagement in genetic research among Pacific Islanders

<i>Dates</i>	<i>Name of Student</i>	<i>Degree Program</i>	<i>Title</i>
2020–2021	Amber Olander	M.P.H. Human Genetics	Assessing genetic associations with depressive features and body mass index in Samoans
2021–	Maleah E. Benn	M.P.H. Human Genetics	TBD

### Service on Master's & Doctoral Committees

<i>Dates</i>	<i>Student</i>	<i>Degree Program</i>	<i>Title</i>
2014–2016	Sevinç Akçay	Ph.D. Human Genetics	Molecular consequences of elastin gene mutations in autosomal dominant cutis laxa and supravalvular aortic stenosis
2014–2015	Enrique I. Velazquez	Ph.D. Human Genetics	Alternative to relational database in personalized medicine: comparison of NoSQL approaches for big data storage using supercomputers
2014–2016	S. Amir Bahreini	Ph.D. Human Genetics	Identification of DNA sequence variants in the estrogen receptor pathway in breast cancer
2015–2016	Patricia Ann Shaw	M.S. Human Genetics	Non-invasive prenatal detection of $\Delta F508$ <i>CFTR</i> mutation status
2015–2016	Nicolette Walano	M.S. Human Genetics Genetic Counseling	Familial clustering of suicide and major depressive disorder: an observational analysis
2015–2016	Sally A. Sherman	Ph.D. Health & Physical Fitness	Energy expenditure in yoga versus other forms of physical activity
2015–2018	Ahmed M. Basudan	Ph.D. Human Genetics	Comprehensive molecular and clinicopathological characterization of breast cancer metastasis: emphasis on invasive lobular carcinoma
2016–2018	Brandon Michael Blobner	Ph.D. Human Genetics	Conserved cysteines in the finger domain of the epithelial $\text{Na}^+$ channel $\alpha$ and $\gamma$ subunits are proximal to the dynamic finger-thumb domain interface and the impact of low-frequency variants on renal $\text{Na}^+$ transporters and blood pressure
2016–2017	Barbara L. Hopkins	Ph.D. Human Genetics	A <i>PRDX1</i> – <i>FOXO3</i> signaling pathway acts as a redox sensor controlling <i>FOXO3</i> subcellular localization and target gene transactivation
2016	Andrew K. Gaul	M.P.H. Health Policy & Management	Decision-making protocols for emergency triage during mass casualty incidents

<i>Dates</i>	<i>Name of Student</i>	<i>Degree Program</i>	<i>Title</i>
2017–2019	Celeste A. Shelton	Ph.D. Human Genetics	Hereditary pancreatitis: a prototype of chronic pancreatitis to characterize variable genomic elements that impact disease features and family dynamics
2017	Curtis M. Tilves	M.S. Epidemiology	Association of lipopolysaccharide-binding protein with increases in liver fat in African ancestry men
2017–2018	Emily J. Spoth	M.S. Human Genetics Genetic Counseling	Biomechanical properties of the skin in arterial tortuosity syndrome
2018–2019	Zeynep Erdoğan-Yıldırım	M.S. Human Genetics	Functional investigation of <i>ESR1</i> fusions identified in endocrine therapy refractory estrogen receptor positive breast cancer
2018–2020	Lacey W. Heinsberg	Ph.D. Nursing	Multi-omics of the iron homeostasis pathway in patient outcomes after aneurysmal subarachnoid hemorrhage
2018–2019	Rachel M. Sutton	M.S. Human Genetics Genetic Counseling	Candidate gene study of familial pulmonary fibrosis
2018–	Olivia M. D’Annibale	Ph.D. Human Genetics	Small molecule and chaperonin therapy in acyl-CoA dehydrogenase deficiencies
2019–2020	Jason C. Carson	Ph.D. Human Genetics	Enrichment for rare pathogenic and highly damaging variants in congenital heart disease patients
2020–2021	Brittany T. Pantoni	M.P.H. Human Genetics	The effects of risk alleles for gestational diabetes mellitus on type 2 diabetes mellitus in Samoan women
2020–2021	Ramya J. Saravanan	M.P.H. Human Genetics	Genetic epidemiology of smoking behaviors in Samoans
2020–2021	Greg Procario	M.S. Biostatistics	Predicting body composition measurements in Samoan adults with multivariate adaptive regression splines and assessing the effect of a missense variant in <i>CREBRF</i> on body composition
2021–	Gillian C. Goobie	Ph.D. Human Genetics	Environmental impacts on clinical outcomes and the epigenome in patients with interstitial lung disease

<i>Dates</i>	<i>Name of Student</i>	<i>Degree Program</i>	<i>Title</i>
2021–	Tianyu Zhou	Ph.D. Human Genetics	Investigating the genetics of dental caries incidence, development over time, and variability

### **Service on Qualifying & Comprehensive Examination Committees**

<i>Dates Served</i>	<i>Student Population</i>	<i>Type of Exam</i>
2014–	20 Ph.D. Human Genetics Students	Qualifying
2014–	13 Ph.D. Human Genetics Students	Comprehensive
2015	1 Ph.D. Health & Physical Fitness Student	Comprehensive
2015	1 Ph.D. Health & Physical Fitness Student	Overview
2017–	1 M.S. Epidemiology Student	Comprehensive
2018–	2 M.S. Human Genetics Students	Comprehensive
2019–	1 Ph.D. Nursing Student	Overview

### **Supervision of Post-Doctoral Associates, Residents, and Fellows**

<i>Dates</i>	<i>Name</i>	<i>Position</i>	
2016–2017	Adam J. Santanasto	Postdoctoral Associate	P.I.: Joseph M. Zmuda, Ph.D. Department of Epidemiology University of Pittsburgh
2017–2020	Samantha L. Rosenthal	Postdoctoral Associate	P.I.: Zsolt Urban, Ph.D. Department of Human Genetics University of Pittsburgh
2017–2018	Jenna C. Carlson	Postdoctoral Associate	P.I.: Ryan L. Minster, Ph.D., M.S.I.S. Department of Human Genetics University of Pittsburgh
2019–	Mohanraj Krishnan	Postdoctoral Associate	P.I.: Ryan L. Minster, Ph.D., M.S.I.S. Department of Human Genetics University of Pittsburgh
2019–	Emily M. Russell	Postdoctoral Associate	P.I.: Ryan L. Minster, Ph.D., M.S.I.S. Department of Human Genetics University of Pittsburgh
2021	Jonathan M. Chernus	Teaching Fellow	Department of Human Genetics University of Pittsburgh

## Mentoring of Graduate Students

<i>Dates</i>	<i>Name of Student</i>	<i>Degree / Program Description</i>	
2006–2008	Jessica A. Figgins	M.S. Genetic Counseling Supervision of Thesis Project	P.I.: M. Ilyas Kamboh, Ph.D. Department of Human Genetics University of Pittsburgh
2008–2010	Lauren C. Burns	M.S. Genetic Counseling Supervision of Thesis Project	P.I.: M. Ilyas Kamboh, Ph.D. Department of Human Genetics University of Pittsburgh
2011–2012	Sevinç Akçay	M.S. Human Genetics Supervision of Thesis Project	P.I.: Candace M. Kammerer, Ph.D. Department of Human Genetics University of Pittsburgh
2011–2014	Jatinder Singh	Ph.D. Human Genetics Supervision of Graduate Student Research	P.I.: Candace M. Kammerer, Ph.D. Department of Human Genetics University of Pittsburgh
2012–2014	Olive D. Buhule	Ph.D. Biostatistics Supervision of Graduate Student Research	P.I.: Daniel E. Weeks, Ph.D. Departments of Human Genetics & Biostatistics University of Pittsburgh
2014–2015	Jerome Lin	Ph.D. Human Genetics Supervision of Graduate Student Research	P.I.: Daniel E. Weeks, Ph.D. Departments of Human Genetics & Biostatistics University of Pittsburgh
2015–2017	Kimberly Jacoby	Ph.D. Human Genetics Supervision of Graduate Student Research	P.I.: Candace M. Kammerer, Ph.D. Department of Human Genetics University of Pittsburgh
2016–2018	Brandon Michael Blobner	Ph.D. Human Genetics Supervision of Graduate Student Research	P.I.: Thomas R. Kleyman, M.D. Department of Human Genetics University of Pittsburgh
2018–2020	Jerry Z. Zhang	Ph.D. Biostatistics Supervision of Graduate Student Research	P.I.: Daniel E. Weeks, Ph.D. Departments of Human Genetics & Biostatistics University of Pittsburgh
2019–2019	Haoyi Fu	Ph.D. Biostatistics Supervision of Graduate Student Research	P.I.: Daniel E. Weeks, Ph.D. Departments of Human Genetics & Biostatistics University of Pittsburgh

<i>Dates</i>	<i>Name of Student</i>	<i>Degree / Program Description</i>	
2019–2020	Chen'ao Qian	M.S. Biostatistics Supervision of Thesis Project Research	P.I.: Daniel E. Weeks, Ph.D. Departments of Human Genetics & Biostatistics University of Pittsburgh
2020–	Shuwei Liu	Ph.D. Human Genetics Supervision of Graduate Student Research	P.I.: Daniel E. Weeks, Ph.D. Departments of Human Genetics & Biostatistics University of Pittsburgh
2021–	Jingheng Chen	M.S. Human Genetics Supervision of Graduate Student Rotation	P.I.: Ryan L. Minster, Ph.D., M.S.I.S. Department of Human Genetics University of Pittsburgh

**PROFESSIONAL ACTIVITIES — RESEARCH & TRAINING**

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**Grants & Contracts Received — Principal Investigator**

<i>Dates</i>	<i>Grant and/or Contract Number &amp; Title</i>	<i>Source</i>	<i>Direct Costs</i>	<i>Effort</i>
04/2017–03/2022	R01HL133040 Next generation association studies of adiposity in Samoans enhanced by a Samoan-specific whole genome sequence reference panel	NIH NHLBI	\$2,265,798	30%
09/2020–08/2021	R01HL133040 ADMIN SUPPL Examining genetic literacy and capacity for engagement in genetic research among Pacific Islanders	NIH NHLBI	\$149,656	10%

**Grants & Contracts Received — Co-Investigator**

06/2014–05/2019	U01AG023744 Long Life Family Study: University of Pittsburgh Field Center	NIH NIA	\$16,213	10%
07/2016–04/2020	R01HL093093 Integrated cellular, mouse and human research on a novel missense variant influencing adiposity in Samoans	NIH NHLBI	\$164,288	Y1: 5% Y2–Y4: 10%
09/2014–05/2019	R01MH103313 Melanopsin photosensitivity and psychopathology	NIH NIMH	\$11,426	Y4–Y5: 5%

<i>Dates</i>	<i>Grant and/or Contract Number &amp; Title</i>	<i>Source</i>	<i>Annual Direct Costs</i>	<i>Effort</i>
02/2018–01/2022	R01HL140570 Impact of the obesity-risk <i>CREBRF</i> p.R457Q variant on energy expenditure, intake, and substrate utilization in Samoans	NIH NHLBI	\$82,190.00	Y1–Y2: 5% Y3–Y4: 10%
09/2017–08/2022	U54HL141011 SickleGenAfrica: Sickle Cell Disease Genomics Network of Africa	NIH NHLBI	\$261,553	10%
03/2021–02/2026	R01AG067533 Cognitive resilience among older Samoans	NIH NIA	\$112,760	5%

### **Invited Lectureships & Major Seminars**

<i>Dates</i>	<i>Title</i>	<i>Venue &amp; Location</i>
Aug 31, 2012	Pleiotropic Relationships among Measures of Bone Mineral Density, Bone Geometry, Lean Mass & Fat Mass	Human Genetics Seminar Series Department of Human Genetics Graduate School of Public Health University of Pittsburgh Pittsburgh, Pennsylvania
Nov 7, 2015	Genetics of Obesity	2015 International Society of Nurses in Genetics World Congress Pittsburgh, Pennsylvania
Feb 19, 2016	A Major Locus for Obesity in Samoans	Human Genetics Seminar Series Department of Human Genetics Graduate School of Public Health University of Pittsburgh Pittsburgh, Pennsylvania
Mar 31, 2016	Genetic Epidemiology of Obesity and Related Phenotypes in Samoans	Epidemiology Seminar Series Department of Epidemiology Graduate School of Public Health University of Pittsburgh Pittsburgh, Pennsylvania
Aug 26, 2016	Major Locus for Obesity and Related Phenotypes in Samoans	Invited Speaker Asian American, Native Hawai‘ian, Pacific Islander Diabetes Coalition San Francisco, California

<i>Dates</i>	<i>Title</i>	<i>Venue &amp; Location</i>
Apr 3, 2017	Thrifty Genetic Locus for Obesity and Related Phenotypes in Samoans	Invited Speaker Cardiovascular Epidemiology Conference Department of Medicine School of Medicine University of Pittsburgh Pittsburgh, Pennsylvania
May 19, 2017	Unique Genetic Factors in Nutritional Outreach to a Pacific Islander Cohort	Invited Speaker Nutrition Science & Food Policy Summit City of Hope National Medical Center Duarte, California
Jun 13, 2017	Thrifty Genotypes in the Pathogenesis of Obesity	Invited Speaker 77th Scientific Sessions American Diabetes Association San Diego, California
Jul 3, 2017	A Thrifty Variant in <i>CREBRF</i> Strongly Influences BMI in Sāmoans	Invited Speaker Research Workshop Apia, Sāmoa
Jul 5, 2017	A Thrifty Variant in <i>CREBRF</i> Strongly Influences BMI in Sāmoans	Invited Speaker Fa'alāpotopotoga o Su'esu'ega Fa'asaienisi a Sāmoa Scientific Research Organisation of Sāmoa Apia, Sāmoa
Apr 6, 2018	A Major Genetic Locus for Obesity in Polynesians	Brown Bag Talk Biological and Health Area Department of Psychology University of Pittsburgh Pittsburgh, Pennsylvania
Apr 24, 2019	Soifua Manuia: Samoan Good Health Study Background & Early Findings	New Approaches to Populations Keynote Talk TOPMed In-Person Meeting Tysons Corner, Virginia

## Other Research & Training Related Activities

<i>Dates</i>	<i>Position</i>	<i>Description of Activity</i>	<i>Location</i>
1997–1998	Undergraduate Directed Research Trainee	Analysis of secondary structure and splicing mechanism of DID3 group II intron a5γ	Department of Biological Sciences School of Arts & Sciences University of Pittsburgh
2015	Carnegie Science Communication Fellow	Development of interactive hands-on activity for introduc- tion to genetic principles to lay public audience	Carnegie Science Center Pittsburgh, Pennsylvania

## Refereed Articles

- 1 **R. L. MINSTER**, S. T. DeKosky, M. Ganguli, S. Belle & M. I. Kamboh. **Genetic association studies of interleukin-1 (IL-1A and IL-1B) and interleukin-1 receptor antagonist genes and the risk of Alzheimer's disease.** *Ann. Neurol.* **48**, 817–9 (2000).  
DOI: 10.1002/1531-8249(200011)48:5<817::aid-ana22>3.0.CO;2-S · PMID: 11079552
- 2 X. Wang, E. K. Luedeking, **R. L. MINSTER**, M. Ganguli, S. T. DeKosky & M. I. Kamboh. **Lack of association between  $\alpha$ 2-macroglobulin polymorphisms and Alzheimer's disease.** *Hum. Genet.* **108**, 105–8 (2001).  
DOI: 10.1007/s004390000445 · PMID: 11281447
- 3 B. I. Omalu, S. T. DeKosky, **R. L. MINSTER**, M. I. Kamboh, R. L. Hamilton & C. H. Wecht. **Chronic traumatic encephalopathy in a National Football League player.** *Neurosurgery* **57**, 128–34 (2005).  
DOI: 10.1227/01.neu.0000163407.92769.ed · PMID: 15987548
- 4 A. Ozturk, P. P. Desai, **R. L. MINSTER**, S. T. DeKosky & M. I. Kamboh. **Three SNPs in the GSTO1, GSTO2 and PRSS11 genes on chromosome 10 are not associated with age-at-onset of Alzheimer's disease.** *Neurobiol. Aging* **26**, 1161–5 (2005).  
DOI: 10.1016/j.neurobiolaging.2004.11.001 · PMID: 15917099
- 5 M. I. Kamboh, **R. L. MINSTER**, E. Feingold & S. T. DeKosky. **Genetic association of ubiquilin with Alzheimer's disease and related quantitative measures.** *Mol. Psychiatry* **11**, 273–9 (2006).  
DOI: 10.1038/sj.mp.4001775 · PMID: 16302009
- 6 M. I. Kamboh, **R. L. MINSTER**, M. Kenney, A. Ozturk, P. P. Desai, C. M. Kammerer & S. T. DeKosky. **Alpha-1-antichymotrypsin (ACT or SERPINA3) polymorphism may affect age-at-onset and disease duration of Alzheimer's disease.** *Neurobiol. Aging* **27**, 1435–9 (2006).  
DOI: 10.1016/j.neurobiolaging.2005.07.015 · PMID: 16137793 · PMCID: PMC1609963
- 7 B. I. Omalu, S. T. DeKosky, R. L. Hamilton, **R. L. MINSTER**, M. I. Kamboh, A. M. Shakir & C. H. Wecht. **Chronic traumatic encephalopathy in a National Football League player: Part II.** *Neurosurgery* **59**, 1086–92 (2006).  
DOI: 10.1227/01.neu.0000245601.69451.27 · PMID: 17143242
- 8 **R. L. MINSTER**, S. T. DeKosky & M. I. Kamboh. **Lack of association of two chromosome 10q24 SNPs with Alzheimer's disease.** *Neurosci. Lett.* **408**, 170–2 (2006).  
DOI: 10.1016/j.neulet.2006.08.081 · PMID: 17000046 · PMCID: PMC1673299
- 9 A. Ozturk, **R. L. MINSTER**, S. T. DeKosky & M. I. Kamboh. **Association of tagsNPs in the urokinase-plasminogen activator (PLAU) gene with Alzheimer's disease and associated quantitative traits.** *Am. J. Med. Genet. B Neuropsychiatr. Genet.* **144B**, 79–82 (2007).  
DOI: 10.1002/ajmg.b.30403 · PMID: 16967469

- 10 F. Y. K. Demirci, S. Manzi, R. Ramsey-Goldman, **R. L. MINSTER**, M. Kenney, P. S. Shaw, C. M. Dunlop-Thomas, A. H. Kao, E. Rhew, F. Bontempo, C. Kammerer & M. I. Kamboh. **Association of a common interferon regulator factor 5 (IRF5) variant with increased risk of systemic lupus erythematosus (SLE).** *Ann. Hum. Genet.* **71**, 308–11 (2007).  
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## Refereed Consortium Articles

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- 24 J. Singh, **R. L. MINSTER**, M. M. Barmada, E. W. Daw, B. Thyagarajan, K. Christensen, A. B. Newman & C. M. Kammerer. **Genomewide linkage analyses of hematological phenotypes in Long Life Family Study**. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, 8 November 2012.

- 25 **R. L. MINSTER**, G. Sun, S. R. Indugula, H. Cheng, N. L. Hawley, S. Viali, R. Deka, D. E. Weeks & S. T. McGarvey. **Genomewide association study of body mass index in Samoans**. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, 9 November 2012.
- 26 L. Oei, S. Reppe, E. Ntzani, M. Hibbs, K. Choi, H.-F. Zheng, K. Estrada, J. van de Peppel, C. Nielson, U. Styrkarsdóttir, P. Ridker, Y.-H. Hsu, M. Garcia, A. Aragaki, E. Duncan, A. Enneman, T. Lehtimäki, T. Esko, S. Trompet, S. Kaptoge, J. Eriksson, N. Amin, A. Kung, C. Medina-Gomez, K. Tsilidis, G. Thorleifsson, L. Rose, J. Zmuda, C.-T. Liu, A. Vernon-Smith, P. Srikanth, S. Wilson, G. Clark, J. Viikari, E. Mihailov, A. Moayyeri, G. Li, C. Kammerer, M. Lorentzon, N. Rivera, S. Xiao, J. Yang, P. Visscher, G. Tranah, D. Evans, D. Karasik, K. Siggeirsdóttir, E. Oei, K. Stefansson, V. Aalto, D. Willner, N. Wareham, **R. L. MINSTER**, J. Bis, C. van Duijn, A. Boyle, M. Snyder, L. Herrera, L. A. Cupples, T. Aspelund, O. Raitakari, P. Leo, K.-T. Khaw, J. Robbins, Y. Liu, S. Breda, R. Luben, J. Cauley, A. Arnold, L. Stolk, H. Pols, A. Hofman, J. Shen, J. Van Meurs, P. Sham, M. Zillikens, C. Ohlsson, B. Psaty, T. Harris, J. Reeve, J. W. Jukema, A. Metspalu, M. Kahonen, N. van der Velde, M. Brown, V. Gudnason, J. Ioannidis, A. Uitterlinden, S. Cummings, T. Spector, D. Kiel, R. Jackson, U. Thorsteinsdóttir, D. Chasman, E. Orwoll, V. Yadav, J. Van Leeuwen, E. Evangelou, E. Grundberg, B. Richards, K. Gautvik, F. Rivadeneira & C. Ackert-Bicknell. **Functional characterization of GWAS loci associated with fracture risk**. Poster presentation at the 2013 Annual Meeting of the American Society for Bone and Mineral Research, Baltimore, Maryland, 5 October 2013.
- 27 L. Oei, P. Nordström, E. Ntzani, H.-F. Zheng, K. Estrada, E. Duncan, C. Medina-Gomez, S. Kaptoge, Y.-H. Hsu, J. Yang, C. Nielson, U. Styrkarsdóttir, P. Ridker, M. Garcia, A. Aragaki, A. Enneman, T. Lehtimäki, T. Esko, S. Trompet, J. Eriksson, N. Amin, A. Kung, K. Tsilidis, G. Thorleifsson, L. Rose, J. Zmuda, C.-T. Liu, A. Vernon-Smith, P. Srikanth, S. Wilson, G. Clark, J. Viikari, E. Mihailov, A. Moayyeri, G. Li, C. Kammerer, M. Lorentzon, N. Rivera, S. Xiao, G. Tranah, D. Evans, K. Siggeirsdóttir, E. Oei, K. Stefansson, V. Aalto, D. Willner, N. Wareham, **R. L. MINSTER**, J. Bis, C. van Duijn, A. Boyle, M. Snyder, L. Herrera, L. A. Cupples, T. Aspelund, O. Raitakari, P. Leo, K.-T. Khaw, J. Robbins, Y. Liu, S. Breda, R. Luben, A. Arnold, S. Reppe, M. Hibbs, L. Stolk, J. Pasco, E. Grundberg, K. Gautvik, C. Ackert-Bicknell, V. Yadav, K. Choi, J. van de Peppel, J. Van Leeuwen, H. Pols, A. Hofman, J. Shen, J. van Meurs, B. Atanasovska, P. Sham, C. Ohlsson, B. Psaty, T. Harris, J. Reeve, J. W. Jukema, A. Metspalu, M. Kahonen, N. van der Velde, M. Brown, V. Gudnason, J. Ioannidis, A. Uitterlinden, S. Cummings, T. Spector, D. Kiel, R. Jackson, U. Thorsteinsdóttir, D. Chasman, E. Orwoll, D. Karasik, M. Zillikens, E. Evangelou, B. Richards, P. Visscher, K. Michaelsson & F. Rivadeneira. **The genetic bases of cross-phenotype correlation with bone fracture risk: the GEFOS Consortium**. Poster presentation at the 2013 Annual Meeting of the American Society for Bone and Mineral Research, Baltimore, Maryland, 7 October 2013.
- 28 **R. L. MINSTER**, N. L. Hawley, G. Sun, H. Cheng, S. Viali, R. Deka, D. E. Weeks & S. T. McGarvey. **Genomewide association study of lipids in Samoans**. Poster presentation at the 63rd Annual Meeting of the American Society of Human Genetics, Boston, Massachusetts, 24 October 2013.
- 29 O. D. Buhule, N. L. Hawley, M. Medvedovic, **R. L. MINSTER**, G. Sun, H. Cheng, S. Viali, R. Deka, D. E. Weeks & S. T. McGarvey. **A pilot study testing DNA methylation profiles in Samoan obese and lean young adult males**. Poster presentation at the 63rd Annual Meeting of the American Society of Human Genetics, Boston, Massachusetts, 25 October 2013.

- 30 **R. L. MINSTER**, O. D. Buhule, N. L. Hawley, G. Sun, S. Viali, R. Deka, D. E. Weeks & S. T. McGarvey. **Comparison of GWAS results from imputed SNPs and multiple anchor and partner genotyped SNPs in an isolated population, Samoa.** Poster presentation at the 64th Annual Meeting of the American Society of Human Genetics, San Diego, California, 19 October 2014.
- 31 Y. Hsu, K. Estrada, P. Leo, A. Teumer, C. Liu, C. Medina-Gomez, H. Zheng, **R. MINSTER**, L. P. Lyytikäinen, R. Pengelly, R. Cruz Guerrero, L. Oei, M. Claussnitzer, M. Kahonen, C. Cooper, A. Hannemann, D. Karasik, A. Uitterlinden, L. A. Cupples, J. A. Riancho Moral, J. Holloway, E. Duncan, T. Lehtimäki, T. Harris, H. Wallaschofski, B. Richards, F. Rivadeneira, M. Brown, D. Chasman & D. Kiel. **Rare coding variants are associated with osteoporotic fracture: a large-scale exome-chip analysis of 44,130 adult Caucasian men and women in CHARGE and GEFOS Consortia.** Platform presentation at the 64th Annual Meeting of the American Society of Human Genetics, San Diego, California, 20 October 2014.
- 32 S. T. McGarvey, G. Lambert-Messerlian, **R. L. MINSTER**, O. Buhule, J. Lin, H. Maredia, S. Viali, N. L. Hawley, G. Sun, H. Cheng, R. Deka & D. E. Weeks. **Genome-wide association study of Samoan women's reproductive biomarkers.** Platform presentation at the 40th Annual Meeting of the Human Biology Association, St Louis, Missouri, 25–26 March 2015.
- 33 A. Kulminski, I. V. Culminskaya, K. G. Arbeev, L. Arbeeva, S. V. Ukraintseva, E. Stallard, D. Wu, K. Christensen, M. Province, I. Borecki, **R. MINSTER** & A. I. Yashin. **Biodemographic specifics of the effects of body-mass-index risk alleles identified in genome-wide association studies.** Presented at the 2015 Annual Meeting of the Population Association of America, San Diego, California, 30 April 2015.
- 34 M. Feitosa, **R. MINSTER**, M. K. Wojczynski, A. M. Matteini, R. Mayeux, N. Schupf, T. T. Perls, K. Christensen, A. B. Newman & M. A. Province. **Association of long intergenic non-coding RNA SNP near MYLIP (6p23-p22) with Healthy Aging Index: the Long Life Family Study (LLFS).** Poster presentation at the 65th Annual Meeting of the American Society of Human Genetics, Baltimore, Maryland, 7 October 2015.
- 35 **R. MINSTER**, J. L. Sanders, K. L. Lunetta, J. M. Murabito & A. B. Newman. **Genome-wide and exome-chip association meta-analyses of the Health Aging Index.** Symposium presentation at the 68th Annual Scientific Meeting of the Gerontological Society of America, Orlando, Florida, 18 November 2015.
- 36 M. Feitosa, **R. MINSTER**, A. M. Matteini, N. Schupf & M. A. Province. **A long non-coding RNA SNP near MYLIP gene influences the Healthy Aging Index in men from the Long Life Family Study (LLFS).** Symposium presentation at the 68th Annual Scientific Meeting of the Gerontological Society of America, Orlando, Florida, 18 November 2015.
- 37 C.-T. Su, **R. L. MINSTER**, N. L. Hawley, E. E. Kershaw, R. Deka, D. E. Weeks, S. T. McGarvey & Z. Urban. **Thrifty functional characteristics of the major variant in CREBRF associated with body mass index in Samoans.** Poster presentation at the 66th Annual Meeting of the American Society of Human Genetics, Vancouver, British Columbia, 19 October 2016.

- 38 **R. L. MINSTER**, N. L. Hawley, C.-T. Su, G. Sun, E. E. Kershaw, H. Chen, O. D. Buhule, J. Lin, M. S. Reupena, S. Viali, J. Tuitele, T. Naseri, Z. Urban, R. Deka, D. E. Weeks & S. T. McGarvey. **A thrifty variant in *CREBRF* strongly influences body mass index in Samoans.** Platform presentation at the 66th Annual Meeting of the American Society of Human Genetics, Vancouver, British Columbia, 19 October 2016.
- 39 M. M. Marron, R. M. Boudreau, K. Christensen, S. Cosentino, M. Feitosa, **R. L. MINSTER**, N. Schupf, P. Sebastiani, S. Ukraintseva, M. K. Wojczynski & A. B. Newman. **A novel healthy blood pressure phenotype is associated with better cardiovascular health and neuropsychological performance in the Long Life Family Study.** Poster presentation at the 2017 Epidemiology and Prevention and Lifestyle and Cardiometabolic Health Scientific Sessions of the American Heart Association, Portland, Oregon, 7 March 2017.
- 40 E. M. Russell, N. L. Hawley, G. Sun, H. Cheng, M. S. Reupena, S. Viali, R. Deka, D. E. Weeks, S. T. McGarvey & **R. L. MINSTER.** **Effects of the interaction between a *CREBRF* missense variant and body mass index on diabetes risk in Samoans.** Poster presentation at the Annual University of Pittsburgh Graduate School of Public Health Dean's Day, Pittsburgh, Pennsylvania, 5 April 2017.
- 41 N. L. Hawley, D. E. Weeks, **R. L. MINSTER**, T. Naseri & S. T. McGarvey. **Identifying the optimal anthropometric indicators for cardiometabolic disease screening in Samoans.** Submitted for presentation at the 42nd Annual Meeting of the Human Biology Association, New Orleans, Louisiana, 19–20 April 2017.
- 42 A. Shur, S. T. McGarvey, N. L. Hawley, **R. L. MINSTER**, D. E. Weeks & T. Naseri. **Associations of thrifty *CREBRF* variant with body fat distribution in Samoans.** Submitted for presentation at the 42nd Annual Meeting of the Human Biology Association, New Orleans, Louisiana, 19–20 April 2017.
- 43 E. M. Russell, N. L. Hawley, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, I. Miljkovic, R. Deka, D. E. Weeks, S. T. McGarvey & **R. L. MINSTER.** **Effects of the interaction between a *CREBRF* missense variant and body mass index on type 2 diabetes risk in Samoans.** Poster presentation at the 67th Annual Meeting of the American Society of Human Genetics, Orlando, Florida, 20 October 2017.
- 44 S. L. Rosenthal, **R. L. MINSTER**, N. L. Hawley, G. Sun, O. D. Buhule, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, D. E. Weeks & S. T. McGarvey. **A *CREBRF* missense mutation substantially affects height in Samoans.** Poster presentation at the 67th Annual Meeting of the American Society of Human Genetics, Orlando, Florida, 20 October 2017.
- 45 A. L. Kuipers, E. J. M. Barinas-Mitchell, **R. L. MINSTER**, M. Wojczynski, L. Christiansen, A. Kulminski, B. Thyagarajan & A. B. Newman. **Genome-wide linkage analysis of carotid artery traits in exceptionally long-lived families.** Poster presentation at the 2018 Epidemiology and Prevention and Lifestyle and Cardiometabolic Health Scientific Sessions of the American Heart Association, New Orleans, Louisiana, 21 March 2018.
- 46 E. M. Russell, N. L. Hawley, G. Sun, H. Cheng, M. S. Reupena, S. Viali, R. Deka, D. E. Weeks, S. T. McGarvey & **R. L. MINSTER.** **Effects of the interaction between a *CREBRF* missense variant and body mass index on diabetes risk in Samoans.** Poster presentation at the Annual University of Pittsburgh Health Sciences Health Disparities Competition, Pittsburgh, Pennsylvania, 2 April 2018.

- 47 E. M. Russell, N. L. Hawley, G. Sun, H. Cheng, M. S. Reupena, S. Viali, R. Deka, D. E. Weeks, S. T. McGarvey & **R. L. MINSTER**. **Effects of the interaction between a *CREBRF* missense variant and body mass index on diabetes risk in Samoans.** Poster presentation at the Annual University of Pittsburgh Graduate School of Public Health Dean's Day, Pittsburgh, Pennsylvania, 6 April 2018.
- 48 B. M. Blobner, X. Wang, J. Chen, S. Sheng, **R. L. MINSTER**, D. E. Weeks & T. R. Kleyman. **The burden of rare ENaC variants associated with increases or decreases in blood pressure.** Poster presentation at the Annual University of Pittsburgh Graduate School of Public Health Dean's Day, Pittsburgh, Pennsylvania, 9 April 2018.
- 49 B. M. Blobner, X. Wang, J. Chen, S. Sheng, **R. L. MINSTER**, D. E. Weeks & T. R. Kleyman. **The burden of rare ENaC variants associated with increases or decreases in blood pressure.** Poster presentation at the Annual University of Pittsburgh Department of Medicine Research Day, Pittsburgh, Pennsylvania, 1 May 2018.
- 50 M. Krishnan, A. Phillips-Green, S. Altaf, T. J. Majors, M. Cadzow, E. M. Russell, L. Stamp, N. Dalbeth, **R. L. MINSTER**, N. L. Hawley, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey, D. E. Weeks, T. R. Merriman & R. Murphy. **Association of *FTO-rs9939609* with body mass index in a fixed-effect meta-analysis of the Aotearoa/New Zealand Polynesian and other Pacific populations.** Poster presentation at the 68th Annual Meeting of the American Society of Human Genetics, San Diego, California, 17 October 2018.
- 51 E. M. Russell, J. C. Carlson, N. L. Hawley, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey, D. E. Weeks & **R. L. MINSTER** with the TOPMed Diabetes Working Group. **Genome-wide association study of type 2 diabetes phenotypes in Samoans.** Poster presentation at the 68th Annual Meeting of the American Society of Human Genetics, San Diego, California, 17 October 2018.
- 52 A. L. Kuipers, M. K. Wojczynski, E. J. M. Barinas-Mitchell, **R. L. MINSTER**, L. Wang, L. Chistiansen, A. Kulminski, B. Thyagarajan, M. A. Province & A. B. Newman. **Common variants do not explain significant linkage peaks of carotid artery traits in exceptionally long-lived families.** Poster presentation at the 68th Annual Meeting of the American Society of Human Genetics, San Diego, California, 17 October 2018.
- 53 J. C. Carlson, N. L. Hawley, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey, **R. L. MINSTER** & D. E. Weeks with the NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. **Creating population-specific reference panels for improved genotype imputation.** Platform presentation at the 68th Annual Meeting of the American Society of Human Genetics, San Diego, California, 18 October 2018.
- 54 **R. L. MINSTER**, E. M. Russell, J. C. Carlson, N. L. Hawley, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey & D. E. Weeks with the TOPMed Diabetes Working Group. **Rare variation in and near *CREBRF* and association with fasting glucose in non-Polynesian participants in the TOPMed Program.** Poster presentation at the 68th Annual Meeting of the American Society of Human Genetics, San Diego, California, 19 October 2018.

- 55 A. L. Kuipers, S. Andersen, **R. L. MINSTER**, E. J. M. Barinas-Mitchell, K. Christensen, M. Feitosa, S. Cosentino & A. B. Newman. **Correlation between vascular aging and functional decline in exceptionally long-lived families.** Poster presentation at the American Heart Association's Scientific Sessions 2018, Chicago, Illinois, 11 November 2018.
- 56 S. T. McGarvey, **R. L. MINSTER**, D. E. Weeks, A. Pomer, R. Deka, T. Naseri, A. Wetzel & N. L. Hawley. **Longitudinal adiposity change over 7–8 years and *CREBRF* p.Arg457Gln genotype among Samoans.** Poster presentation at ObesityWeek 2018, the Combined Annuals Meetings of the American Society for Metabolic & Bariatric Surgery and the Obesity Society, Nashville, Tennessee, 11–15 November 2018.
- 57 D. N. Harris, M. D. Kessler, A. C. Shetty, D. E. Weeks, **R. L. MINSTER**, S. Browning, E. E. Cochrane, R. Deka, N. L. Hawley, M. S. Reupena, T. Naseri, Trans-Omics For Precision Medicine Consortium, TOPMed Population Genetics Working Group, S. T. McGarvey & T. D. O'Connor. **Recent Samoan population history suggests dynamic population size changes and migrations** Submitted for presentation at the 2019 Meeting of the Society for Molecular Biology and Evolution, Manchester, United Kingdom, 21–25 July 2019.
- 58 R. A. Sherlala, C. M. Kammerer, A. L. Kuipers, M. K. Wojczynski, S. V. Ukraintseva, M. F. Feitosa, J. Mengel-From, J. M. Zmuda & **R. L. MINSTER.** **Assessing age, BMI, and genetic effects on serum IGF-1 in the Long Life Family Study.** Poster presentation at the 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, 16 October 2019.
- 59 J. Tiner, N. L. Hawley, D. E. Weeks, **R. L. MINSTER**, G. Sun, H. Cheng, R. Deka, T. Naseri, M. S. Reupena, A. Pomer & S. T. McGarvey. **The utility of combining *CREBRF* genotype with BMI to screen Samoans for type 2 diabetes.** Poster presentation at the 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, 16 October 2019.
- 60 M. Krishnan, M. Leask, T. J. Major, J. C. Carlson, J. Z. Zhang, E. M. Russell, **R. L. MINSTER**, D. E. Weeks, N. L. Hawley, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey, N. Dalbeth, J. de Zoysa, R. Murphy, L. Stamp, J. Harré Hindmarsh, T. R. Merriman & J. Moors for the TOPMed Lipids Working Group. **A novel variant in *CETP* is associated with higher HDL-cholesterol in people of Polynesian ancestry.** Poster presentation at the 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, 16 October 2019.
- 61 J. C. Carlson, E. M. Russell, J. Z. Zhang, N. L. Hawley, J. Moors, H. Cheng, N. Dalbeth, J. de Zoysa, J. Harré Hindmarsh, R. Murphy, T. Naseri, M. S. Reupena, L. Stamp, J. Tuitele, R. Deka, S. T. McGarvey, T. R. Merriman, D. E. Weeks & **R. L. MINSTER** for the TOPMed Lipids Working Group. **A large effect, Polynesian-specific, stop-gained variant in *BTNL9* is associated with atherogenic lipid profiles.** Poster presentation at the 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, 18 October 2019.
- 62 Z. Erdoğan-Yıldırım, J. C. Carlson, A. Pomer, N. L. Hawley, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, G. Lambert-Messerlian, S. T. McGarvey, D. E. Weeks & **R. L. MINSTER** for the TOPMed Reproductive Health Working Group. **Identification of susceptibility loci for reproductive traits in Samoan women.** Poster presentation at the 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, 18 October 2019.

- 63 E. M. Russell, D. N. Harris, J. C. Carlson, J. Z. Zhang, N. L. Hawley, H. Cheng, T. Naseri, M. S. Reupena, I. Y. Chen, R. C. Rao, A. C. Hsiung, L.-M. Chuang, W. Sheu, D. Darbar, R. Deka, T. D. O'Connor, S. T. McGarvey, D. E. Weeks & **R. L. MINSTER** for the TOPMed Population Genetics Working Group. **Evidence of natural selection in Samoans is associated with BMI and the immune system.** Poster presentation at the 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, 18 October 2019.
- 64 J. Z. Zhang, J. C. Carlson, N. L. Hawley, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey, **R. L. MINSTER** & D. E. Weeks. **A multivariate Bayesian genetic association analysis of a CREBRF variant and adiposity-related phenotypes.** Poster presentation at the 69th Annual Meeting of the American Society of Human Genetics, Houston, Texas, 17 October 2019.
- 65 J. C. Carlson, J. Z. Zhang, N. L. Hawley, B. M. Blobner, H. Cheng, T. Naseri, M. S. Reupena, S. Viali, J. Tuitele, R. Deka, S. T. McGarvey, **R. L. MINSTER** & D. E. Weeks with the TOPMed Blood Pressure Working Group. **Samoan genome-wide association studies identify novel associations with blood pressure phenotypes.** Poster presentation at the 70th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 27–31 October 2020.
- 66 C. W. K. Chiang, M. Lin, H. Sun, E. M. Russell, **R. L. MINSTER**, T. F. Chan, T. Naseri, M. S. Reupena, A. Lum-Jones, I. Cheng, L. R. Wilkens, L. Le Marchand & C. A. Haiman. **The challenges to study the impact of Polynesian genetic ancestry on the architecture of complex traits in Native Hawaiians.** Poster presentation at the 70th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 27–31 October 2020.
- 67 Z. Erdoğan-Yıldırım, J. C. Carlson, J. Z. Zhang, A. Pomer, N. L. Hawley, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, G. M. Lambert-Messerlian, S. T. McGarvey, D. E. Weeks & **R. L. MINSTER** with the TOPMed Reproductive Health Working Group. **Genome-wide association study of high vs low risk of polycystic ovarian syndrome in Samoan women.** Poster presentation at the 70th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 27–31 October 2020.
- 68 H. Fu, N. L. Hawley, J. C. Carlson, E. M. Russell, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, C. C. Choy, S. T. McGarvey, **R. L. MINSTER** & D. E. Weeks. **The missense variant, rs373863828, in CREBRF plays a role in longitudinal changes in BMI across adulthood.** Poster presentation at the 70th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 27–31 October 2020.
- 69 L. Heinsberg, D. E. Weeks, S. A. Alexander, E. A. Crago, **R. L. MINSTER**, S. M. Poloyac & Y. P. Conley. **Associations between DNA methylation trajectories for genes regulating iron homeostasis and patient outcomes up to one year after subarachnoid hemorrhage.** Poster presentation at the 70th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 27–31 October 2020.
- 70 M. Krishnan, M. A. Taub, J. C. Carlson, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, N. L. Hawley, S. T. McGarvey, D. E. Weeks, R. A. Mathias & **R. L. MINSTER** with the TOPMed Hematology & Hemostasis and the TOPMed Structural Variation Working Groups. **Genome-wide association study of telomere length in individuals of Samoan ancestry.** Poster presentation at the 70th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 27–31 October 2020.

- 71 **R. L. MINSTER**, J. C. Carlson, J. Z. Zhang, N. L. Hawley, S. L. Rosenthal, H. Cheng, T. Naseri, M. S. Reupena, S. Viali, J. Tuitele, R. Deka, S. T. McGarvey & D. E. Weeks with the TOPMed Anthropometry–Adiposity Working Group. **Genome-wide association study of height in Samoan individuals**. Poster presentation at the 70th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 27–31 October 2020.
- 72 E. M. Russell, A. C. Rivara, H. Fu, H. Cheng, T. Naseri, M. S. Reupena, E. E. Kershaw, R. Deka, D. E. Weeks, S. T. McGarvey, **R. L. MINSTER** & N. L. Hawley. **Association of a missense variant in *CREBRF* with type 2 diabetes and fasting glucose in a longitudinal Samoan cohort**. Poster presentation at the 70th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 27–31 October 2020.
- 73 A. C. Rivara, E. M. Russell, S. Viali, M. S. Reupena, T. Naseri, **R. L. MINSTER**, D. E. Weeks, S. T. McGarvey & N. L. Hawley. **Care cascade engagement and characteristics of diabetes awareness in adult Samoans in 2010 and 2018**. Poster presentation at the 81st Scientific Sessions of the American Diabetes Association, Virtual Meeting, 25–29 June 2021.
- 74 S. Liu, H. Fu, N. L. Hawley, J. C. Carlson, A. Pomer, E. M. Russell, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, C. C. Choy, E. E. Kershaw, S. T. McGarvey, **R. L. MINSTER**, D. E. Weeks. **Genetic variation in/near *LIPC*, *MGAT1*, and *APOA1* is associated with longitudinal change in serum lipid levels in Samoan adults**. Submitted for poster presentation at the 71th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 18–22 October 2021.

**University / Institution of Higher Learning**

<i>Dates</i>	<i>Committee</i>	<i>Position</i>
2007	Strategic Planning Committee Department of Human Genetics	Member
2011–2014	Core Curriculum Committee Graduate School of Public Health	Member
2014–2018	Program Committee Master of Public Health Program	Member
2014–2018	Faculty Diversity Committee Graduate School of Public Health	Dept of Human Genetics Representative
2016–2017	Pitt Public Health Magazine Review Committee Graduate School of Public Health	Faculty Diversity Committee Representative
2016–2018	Faculty Diversity Committee Graduate School of Public Health	Co-Chair
2016–2018	Council Graduate School of Public Health	Voting Member Seated as Co-Chair of Faculty Diversity Committee
2017	Global Health Advisory Committee Graduate School of Public Health	Member
2017–2018	Associate Vice Provost for Faculty's Diversity Chairs Committee University of Pittsburgh	Member
2018	Genetic Counseling Program Thesis Review/ Reaccreditation Committee Dept of Human Genetics	Member
2018–	Facility Committee Dept of Human Genetics	Member
2018–	Communication & Events Committee Dept of Human Genetics	Member
2018–	Computing Resources Committee Dept of Human Genetics	Member
2018–2019	Faculty Senate Executive Committee Graduate School of Public Health	President-Elect

## University / Institution of Higher Learning

<i>Dates</i>	<i>Committee</i>	<i>Position</i>
2018–	Council Graduate School of Public Health	Voting Member Seated as FSEC Officer
2019–2020	Faculty Senate Executive Committee Graduate School of Public Health	President
2020–	Faculty Senate Executive Committee Graduate School of Public Health	Immediate Past President
2019–	Alumni Awards Committee Graduate School of Public Health	Member
2019–	Curriculum Committee Department of Human Genetics	Member
2019–	Admissions Committee Department of Human Genetics	Member
2020–	C.C. & Clara Li Endowed Scholarship Award Committee Department of Human Genetics	Member
2020	Research Assistant Professor Search Committee Department of Human Genetics	Member

<i>Dates</i>	<i>Activity</i>	<i>Position</i>
2011–	Department Retreat Poster Session Department of Human Genetics	Coordinator
2011–	Journal Club Department of Human Genetics	Mentor
2013–	Dean’s Day Competition Graduate School of Public Health	Faculty Judge
2013–	Research in Progress Seminar Series Graduate School of Public Health	Mentor
2015–	Department Retreat Department of Human Genetics	Director
2017	Panel: “Health Equity through Action on the Social Determinants of Health” Center for Health Equity	Moderator
2017	Competitive Medical Research Fund Grant Center for Research, Health Sciences	Reviewer

<i>Dates</i>	<i>Activity</i>	<i>Position</i>
2019–	M.S. in Genome Bioinformatics Department of Human Genetics	Program Director

### **Consortium Committees & Working Groups**

<i>Date</i>	<i>Position</i>	<i>Organization &amp; Nature of Activity</i>
2015–	Publications Committee	NHLBI Trans-Omics in Precision Medicine Program
2015–	Population Genetics Working Group	NHLBI Trans-Omics in Precision Medicine Program
2015–	Analysis Working Group	NHLBI Trans-Omics in Precision Medicine Program
2017–	Blood Pressure Working Group	NHLBI Trans-Omics in Precision Medicine Program

### **Manuscript & Other Document / Publication Review**

<i>Dates</i>	<i>Journal Title</i>
2011–	<i>JAMA</i>
2015–	<i>BMC Med. Genet.</i>
2016–	<i>Eur. J. Clin. Nutr.</i>
2018–	<i>Ann. Hum. Biol.</i>
2019–	<i>Diabetologia</i>
2021–	<i>Front. Genet.</i>
2021–	<i>BMC Med. Res. Methodol.</i>

### **Study Sections, Review Panels & Advisory Boards**

<i>Date</i>	<i>Position</i>	<i>Organization &amp; Nature of Activity</i>
2020	Reviewer	Special Emphasis Panel · NIH NHGRI RFA-HG-20-001 Polygenic risk scores (PRS) methods and analysis for populations of diverse ancestry—Study sites (U01)
2020	Reviewer	Special Emphasis Panel · NIH NHGRI RFA-HG-20-002 Polygenic risk scores (PRS) methods and analysis for populations of diverse ancestry—Coordinating center (U01)

## Service to Governmental & Other Public Organizations

<i>Dates</i>	<i>Position</i>	<i>Type of Service and/or Agency</i>
2011, 2013–	Reviewer	DNA Day Essay Contest American Society of Human Genetics
2017	Minority Inspector	General Election Collier Township District 6
2018–	Majority Inspector	Special & Primary Elections Collier Township District 6
2019	Judge of Elections	Special Election Collier Township District 6
2019–	Trainer	Conflict Resolution National Health Corps Pittsburgh

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## SERVICE — PUBLIC & COMMUNITY-RELATED SERVICE

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### Service to Community-Based Organizations

<i>Dates</i>	<i>Position</i>	<i>Organization</i>	<i>Type of Service</i>
1999–2009	Operations Varsity Marching Band	Department of Bands University of Pittsburgh	Volunteer
2001–	Advisor, ΓΩ Chapter University of Pittsburgh	TΒΣ <i>National Honorary Band Sorority</i>	Volunteer
2001–2006	Treasurer	Pitt Band Alumni Council	Volunteer
2002–	Jūdō Instructor Adults' and Children's Classes	Kim's Martial Arts & Fitness	Volunteer
2003–2009 2017–	Assistant Instructor Fall & Spring Jūdō Classes	University of Pittsburgh	Volunteer
2004–2005	Treasurer, Board of Directors	Blackspace Arts <i>Non-profit arts incubator</i>	Volunteer
2006–	Certified National Referee	USA Judo	Volunteer
2006–	Member, Refereeing Committee	Pennsylvania Judo	Volunteer
2006	Clinician State Refereeing Clinic	Pennsylvania Judo	Volunteer
2006–2008	President	Pitt Band Alumni Council	Volunteer
2006–2008	Member, Board of Directors	Pitt Alumni Association	Volunteer

<i>Dates</i>	<i>Position</i>	<i>Organization</i>	<i>Type of Service</i>
2007	Colony Advisor Grove City College	KKΨ <i>National Honorary Band Fraternity</i>	Volunteer
2007	Parliamentarian Biennial National Convention	TΒΣ <i>National Honorary Band Sorority</i>	Volunteer
2008–2015	Instructor, Introduction to Zen & Shikantaza Meditation	Zen Center of Pittsburgh	Volunteer
2008–2010	Chair, Scholarship Committee	Pitt Band Alumni Council	Volunteer
2009–2011	Chair, National Risk Management Committee	TΒΣ <i>National Honorary Band Sorority</i>	Volunteer
2011–2015	Mediator, Facilitator & Trainer	An Olive Branch <i>Non-profit dedicated to dispute resolution for spiritual and other non-profit organizations</i>	Volunteer
2014–2015	Chair, Jūshoku Search Committee	Zen Center of Pittsburgh	Volunteer
2017–	Certified National Coach	USA Judo	Volunteer