

RYAN LEE MINSTER

· *curriculum vitæ* ·

August 7, 2022

BIOGRAPHICAL / PERSONAL INFORMATION

3118 Public Health
Department of Human Genetics
School of Public Health
University of Pittsburgh
Pittsburgh, Pennsylvania 15261

Phone: 412-624-6928
Fax: 412-624-3020
rminster@pitt.edu
he\him
Citizenship: USA

EDUCATION & TRAINING

Undergraduate

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

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

Academic

<i>Dates</i>	<i>Title</i>	<i>Department & 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 Orthopædic 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 & 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 School of Public Health	University of Pittsburgh Pittsburgh, Pennsylvania

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

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

- 1994 University of Pittsburgh Chancellor's Scholar
- 1995 Dr Frank R. Caputo Endowed Scholar
- 1995 TBΣ National Honorary Sorority, ΓΩ Chapter
University of Pittsburgh
- 1998 KKΨ 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

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
Fall 2021	HUGEN 2074 Genome Bioinformatics Capstone	6 h/wk; 6 cr 3 students	Director
Spring 2022	HUGEN 2072 Genomic Data Pipelines & Tools	3 h/wk; 3 cr 12 students	Co-Director
Spring 2022	HUGEN 2073 Genomic Data Visualization & Integration	3 h/wk; 3 cr 9 students	Co-Director
Spring 2022	HUGEN 2075 Genome Bioinformatics Writing & Thesis	2 h/wk; 2 cr 3 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

<i>Dates</i>	<i>Type of Teaching</i>	<i>Title</i>
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
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 'O 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

<i>Dates</i>	<i>Type of Teaching</i>	<i>Title</i>
2018	Lecture Faculty of Medicine ‘O 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
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
2021	Lecture Introduction to Public Health Genetics (HUGEN 2049)	Conflict Transformation & Difficult Conversations
2021	Two Lectures Bioinformatic Resources for Geneticists (HUGEN 2010)	Genetic Variant Servers; Comparative Genomics
2021	Five Lectures Genomic Data Processing and Structures (HUGEN 2071)	Genomic Data Structures (PLINK, FASTQ, SAM, VCF)

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	Investigating the relationship between rare <i>BTNL9</i> variants with serum HDL levels in a Samoan population
2018–2020	Jessica C. Tiner	M.P.H. Human Genetics	Utility of <i>CREBRF</i> genotype with BMI in prediction of type 2 diabetes
2019–2022	Zeynep Erdoğan-Yıldırım	Ph.D. Human Genetics	Examining polycystic ovary syndrome and its relevant biomarkers in Samoan women via machine learning-based phenotyping and genome-wide association studies
2020–2022	Frank R. Swann IV	M.P.H. Human Genetics M.S. Genetic Counseling	Attitudes towards and perceptions of clinical genetic testing among Pacific Islanders living in the United States and U.S.-Affiliated Pacific Islands
2020–2021	Amber Olander	M.P.H. Human Genetics	Assessing genetic associations with depressive features and body mass index in Samoans
2021–2022	Kevin J. Anderson	M.S. Genome Bioinformatics	Inclusion of 48 Pacific Islanders within a cosmopolitan reference panel is sufficient for high accuracy genotype imputation of Samoans
2021–2022	Elizabeth A. Chiyka	M.S. Genome Bioinformatics	Evidence of genotype imputation differences when phasing population isolate participants with a cosmopolitan haplotype reference panel
2021–2022	Devin A. Dikec	M.S. Genome Bioinformatics	Inclusion of custom markers does not improve genotype imputation accuracy in a population isolate
2021–	Maleah E. Benn	M.S. Genome Bioinformatics	TBD

<i>Dates</i>	<i>Name of Student</i>	<i>Degree Program</i>	<i>Title</i>
2021–	Nauman Ahmad	M.S. Human Genetics	Genome-wide association study of stature loss in White Americans and White Danish
2022–	Jordan A. Driscoll	M.S. Genome Bioinformatics	TBD
2022–	Jaime M. Wehr	M.S. Human Genetics	Genome-wide association studies of type 2 diabetes in Samoans
2020–	Carolyn R. Maxwell	M.S. Genetic Counseling	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 supra-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. 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

<i>Dates</i>	<i>Name of Student</i>	<i>Degree Program</i>	<i>Title</i>
2016–2018	Brandon M. Blobner	Ph.D. Human Genetics	Conserved cysteines in the finger domain of the epithelial Na ⁺ channel α and γ subunits are proximal to the dynamic finger–thumb domain interface and the impact of low-frequency variants on renal Na ⁺ transporters and blood pressure
2016–2017	Barbara L. Hopkins	Ph.D. Human Genetics	A PRDX1–FOXO3 signaling pathway acts as a redox sensor controlling FOXO3 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
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. 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. Genetic Counseling	Candidate gene study of familial pulmonary fibrosis
2018–2022	Olivia M. D’Annibale	Ph.D. Human Genetics	Molecular characterization and therapy of acyl-CoA dehydrogenase deficiencies

<i>Dates</i>	<i>Name of Student</i>	<i>Degree Program</i>	<i>Title</i>
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
2021–2022	Tianyu Zou	Ph.D. Human Genetics	Investigating the genetics of dental caries incidence, development over time, and variability
2021–2022	Samantha K. Pettersen	M.P.H. Human Genetics	Medicine adherence in the Samoan people: Investigation and intervention recommendation
2021–2022	Henry B. Thorpe IV	M.S. Biostatistics	Multivariate analysis of blood pressure traits in Samoans identifies <i>UTP25</i> and <i>TSNARE1</i>
2021–	Nathanial C. Riazzi	M.S. Epidemiology	Candidate SNP and gene PheWAS study of age-related physical decline

Service on Qualifying & Comprehensive Examination Committees

<i>Dates Served</i>	<i>Student Population</i>	<i>Type of Exam</i>
2014–	21 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–	2 M.S. Epidemiology Students	Comprehensive
2018–	2 M.S. Human Genetics Students	Qualifying
2019	1 Ph.D. Nursing Student	Overview
2021–	3 M.S. Genome Bioinformatics Students	Comprehensive

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
2019–2021	Mohanraj Krishnan	Postdoctoral Associate	P.I.: Ryan L. Minster, Ph.D., M.S.I.S. Department of Human Genetics University of Pittsburgh
2019–2021	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
2022–	Lacey W. Heinsberg	Postdoctoral Associate	P.I.: Daniel E. Weeks, Ph.D. Department of Human Genetics University of Pittsburgh

Mentoring of Graduate Students

<i>Dates</i>	<i>Name of Student</i>	<i>Degree / Program Description</i>	<i>P.I. / Department / University</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.P.H. 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
2022–	Kit Church	M.P.H. Human Genetics Supervision of Graduate Student Research	P.I.: Ryan L. Minster, Ph.D., M.S.I.S. Department of Human Genetics University of Pittsburgh

PROFESSIONAL ACTIVITIES — RESEARCH & TRAINING

Grants & Contracts Received — Principal Investigator

<i>Dates</i>	<i>Grant and/or Contract Number & Title</i>	<i>Source</i>	<i>Direct Costs</i>	<i>Effort</i>
07/2016–06/2021 <i>Not Funded</i>	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%
04/2017–03/2022 Funded	R01HL133040 <i>resubmission</i> 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 Funded	R01HL133040 <i>admin suppl</i> Examining genetic literacy and capacity for engagement in genetic research among Pacific Islanders	NIH NHLBI	\$149,656	10%
06/2022–05/2023 Funded	Pacific Islander participation in genomic research	Pitt CTSI	\$30,000	
04/2023–03/2027 Submitted	R01HL133040 <i>renewal</i> Lipidomics and structural genomics of cardiometabolic health in Samoan adults	NIH NHLBI	\$3,755,209	30%

Grants & Contracts Received — Co-Investigator

06/2014–05/2019 Funded	U01AG023744 Long Life Family Study: University of Pittsburgh Field Center	NIH NIA	\$16,213	10%
04/2016–03/2021 <i>Not Funded</i>	P30DK106953 Nutrition and Obesity Research Center (NORC)	NIH NIDDK		
07/2016–04/2020 Funded	R01HL093093 Integrated cellular, mouse and human research on a novel missense variant influencing adiposity in Samoans	NIH NHLBI	\$164,288	Y1: 5% Y2: 10% Y3: 10% Y4: 10%
09/2014–05/2019 Funded	R01MH103313 Melanopsin photosensitivity and psychopathology	NIH NIMH	\$11,426	Y4: 5% Y5: 5%

<i>Dates</i>	<i>Grant and/or Contract Number & Title</i>	<i>Source</i>	<i>Direct Costs</i>	<i>Effort</i>
02/2018–01/2022 Funded	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	Y1: 5% Y2: 5% Y3: 10% Y4: 10%
09/2017–08/2021 <i>Not Funded</i>	X01HL139395 Methylomics, metabolomics and whole genome sequences for Samoan cardio-metabolic phenotypes: data acquisition for integrated analyses and discovery	NIH NHLBI	\$0	0%
09/2017–08/2022 Funded	U54HL141011 SickleGenAfrica: Sickle Cell Disease Genomics Network of Africa	NIH NHLBI	\$261,553	10%
07/2019–05/2024 <i>Not Funded</i>	R01HD099287 The impact of <i>CREBRF</i> on growth, body composition, and cardiometabolic disease risk development among Samoan children	NIH NICHD	\$430,773	10%
11/2019–05/2020 <i>Not Funded</i>	Biomedical Modeling Pilot Award Generation of informative measures of cardiometabolic disease risk via body composition patterns in Samoans	CTSI	\$19,081	0%
04/2020–03/2025 <i>Not Funded</i>	R01HD099287 <i>resubmission</i> The impact of <i>CREBRF</i> on growth, body composition, and cardiometabolic disease risk development among Samoan children	NIH NICHD	\$430,773	10%
07/2020–06/2024 <i>Not Funded</i>	R01MD015264 Genetics of African-ancestry pancreatitis patients	NIH NIMHD		5%
03/2021–02/2026 Funded	R01AG067533 Cognitive resilience among older Samoans	NIH NIA	\$112,760	5%
04/2021–03/2026 <i>Not Funded</i>	R01HL093093 <i>renewal</i> Biological and behavioral determinants of cardiovascular disease risk among Samoans	NIH NHLBI	\$873,208	10%
04/2021–03/2026 <i>Not Funded</i>	R01HL158075 Therapeutic targets in acute chest syndrome	NIH NHLBI	\$100,835	15%

<i>Dates</i>	<i>Grant and/or Contract Number & Title</i>	<i>Source</i>	<i>Direct Costs</i>	<i>Effort</i>
09/2021–08/2025 <i>Not Funded</i>	R01 The pregnancy stress test: application of 'omics to interrogate the placenta as a window to future cardiovascular health	NIH	\$442,542	10%
09/2021–08/2026 <i>Not Funded</i>	R01HL093093 <i>renewal resubmission</i> Biological and behavioral determinants of cardiovascular disease risk among Samoans	NIH NHLBI	\$873,208	10%
12/2021–11/2026 Funded	R01HL158075 <i>resubmission</i> Therapeutic targets in acute chest syndrome	NIH NHLBI	\$100,585	

Invited Lectureships & Major Seminars

<i>Dates</i>	<i>Title</i>	<i>Venue & 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
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

<i>Dates</i>	<i>Title</i>	<i>Venue & Location</i>
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'ālāpotopotoga o Su'esu'ega Fa'asaïenisi 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	Keynote Talk in New Approaches to Populations TOPMed In-Person Meeting Tysons Corner, Virginia
Feb 8, 2022	Studying Complex Disease in Samoa Lessons Learned from a Population Isolate	Invited Speaker Jackson Laboratory for Genomic Medicine Held Virtually

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 a5y	Department of Biological Sciences School of Arts & Sciences University of Pittsburgh
2015	Carnegie Science Communication Fellow	Development of interactive hands-on activity for introduction to genetic principles to lay public audience	Carnegie Science Center Pittsburgh, Pennsylvania

Refereed Articles

- 1 **Minster RL**, DeKosky ST, Ganguli M, Belle S & Kamboh MI. **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 Wang X, Luedeking EK, **Minster RL**, Ganguli M, DeKosky ST & Kamboh MI. **Lack of association between α 2-macroglobulin polymorphisms and Alzheimer's disease.** *Hum. Genet.* **108**, 105–8 (2001).
DOI: 10.1007/s004390000445 · PMID: 11281447
- 3 B. I. Omalu, DeKosky ST, **Minster RL**, Kamboh MI, 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, **Minster RL**, DeKosky ST & Kamboh MI. **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 Kamboh MI, **Minster RL**, E. Feingold & DeKosky ST. **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 Kamboh MI, **Minster RL**, M. Kenney, A. Ozturk, P. P. Desai, C. M. Kammerer & DeKosky ST. **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, DeKosky ST, R. L. Hamilton, **Minster RL**, Kamboh MI, 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 **Minster RL**, DeKosky ST & Kamboh MI. **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, **Minster RL**, DeKosky ST & Kamboh MI. **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

Refereed Articles

- 10 F. Y. K. Demirci, S. Manzi, R. Ramsey-Goldman, **Minster RL**, M. Kenney, P. S. Shaw, C. M. Dunlop-Thomas, A. H. Kao, E. Rhew, F. Bontempo, C. Kammerer & Kamboh MI. **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).
DOI: 10.1111/j.1469-1809.2006.00336.x · PMID: 17166181
- 11 P. D. Sundar, E. Feingold, **Minster RL**, DeKosky ST & Kamboh MI. **Gender-specific association of ATP-binding cassette transporter 1 (ABCA1) polymorphisms with the risk of late-onset Alzheimer's disease.** *Neurobiol. Aging* **28**, 856–62 (2007).
DOI: 10.1016/j.neurobiolaging.2006.04.005 · PMID: 16725228
- 12 D. K. Sanghera, S. Manzi, **Minster RL**, P. Shaw, A. Kao, F. Bontempo & Kamboh MI. **Genetic variation in the *paraoxonase-3 (PON3)* gene is associated with serum PON1 activity.** *Ann. Hum. Genet.* **72**, 72–81 (2008).
DOI: 10.1111/j.1469-1809.2007.00400.x · PMID: 17900266
- 13 **Minster RL**, DeKosky ST & Kamboh MI. **No association of *SORL1* SNPs with Alzheimer's disease.** *Neurosci. Lett.* **440**, 190–2 (2008).
DOI: 10.1016/j.neulet.2008.05.082 · PMID: 18562096 · PMCID: pmc2519047
- 14 **Minster RL**, DeKosky ST & Kamboh MI. **No association of dynamin binding protein (*DNMBP*) gene SNPs and Alzheimer's disease.** *Neurobiol. Aging* **29**, 1602–4 (2008).
DOI: 10.1016/j.neurobiolaging.2007.03.010 · PMID: 17442457 · PMCID: pmc2553275
- 15 **Minster RL**, F. Y. Demirci, DeKosky ST & Kamboh MI. **No association between *CALHM1* variation and risk of Alzheimer disease.** *Hum. Mut.* **30**, E566–9 (2009).
DOI: 10.1002/humu.20989 · PMID: 19191331 · PMCID: pmc2810280
- 16 J. A. Figgins, **Minster RL**, F. Y. Demirci, DeKosky ST & Kamboh MI. **Association studies of 22 candidate SNPs with late-onset Alzheimer's disease.** *Am. J. Med. Genet. B Neuropsychiatr. Genet.* **150B**, 520–6 (2009).
DOI: 10.1002/ajmg.b.30851 · PMID: 18780302 · PMCID: pmc2751631
- 17 **Minster RL**, DeKosky ST & Kamboh MI. **No association of *DAPK1* and *ABCA2* SNPs on chromosome 9 with Alzheimer's disease.** *Neurobiol. Aging* **30**, 1890–1 (2009).
DOI: 10.1016/j.neurobiolaging.2008.01.006 · PMID: 18336955 · PMCID: pmc2763561
- 18 L. C. Burns, **Minster RL**, F. Y. Demirci, M. M. Barmada, M. Ganguli, O. L. Lopez, DeKosky ST & Kamboh MI. **Replication study of genome-wide association SNPs for late-onset Alzheimer's disease.** *Am. J. Med. Genet. B Neuropsychiatr. Genet.* **156B**, 507–12 (2011).
DOI: 10.1002/ajmg.b.31194 · PMID: 21480501 · PMCID: pmc3082594
- 19 Kamboh MI, **Minster RL**, F. Y. Demirci, M. Ganguli, DeKosky ST, O. L. Lopez & M. M. Barmada. **Association of *CLU* and *PICALM* variants with Alzheimer's disease.** *Neurobiol. Aging* **33**, 518–21 (2012).
DOI: 10.1016/j.neurobiolaging.2010.04.015 · PMID: 20570404 · PMCID: pmc3010357

Refereed Articles

- 20 K. Estrada, U. Styrkarsdottir, E. Evangelou, Y.-H. Hsu, E. L. Duncan, E. E. Ntzani, L. Oei, O. M. E. Albagha, N. Amin, J. P. Kemp, D. L. Koller, G. Li, C.-T. Liu, **Minster RL**, A. Moayyeri, L. Vandenput, D. Willner, S.-M. Xiao, L. M. Yerges-Armstrong, H.-F. Zheng, N. Alonso, J. Eriksson, C. M. Kammerer, S. K. Kaptoge, P. J. Leo, G. Thorleifsson, S. G. Wilson, J. F. Wilson, V. Aalto, M. Alen, A. K. Aragaki, T. Aspelund, J. R. Center, Z. Dailiana, D. J. Duggan, M. Garcia, N. Garcia-Giralt, S. Giroux, G. Hallmans, L. J. Hocking, L. B. Husted, K. A. Jameson, R. Khusainova, G. S. Kim, C. Kooperberg, T. Koromila, M. Kruk, M. Laaksonen, A. Z. Lacroix, S. H. Lee, P. C. Leung, J. R. Lewis, L. Masi, S. Mencej-Bedrac, T. V. Nguyen, X. Nogues, M. S. Patel, J. Prezelj, L. M. Rose, S. Scollen, K. Siggeirsdottir, A. V. Smith, O. Svensson, S. Trompet, O. Trummer, N. M. van Schoor, J. Woo, K. Zhu, S. Ballcells, M. L. Brandi, B. M. Buckley, S. Cheng, C. Christiansen, C. Cooper, G. Dedoussis, I. Ford, M. Frost, D. Goltzman, J. González-Macías, M. Kähönen, M. Karlsson, E. Khusnutdinova, J.-M. Koh, P. Kollia, B. L. Langdahl, W. D. Leslie, P. Lips, Ö. Ljunggren, R. S. Lorenc, J. Marc, D. Mellström, B. Obermayer-Pietsch, J. M. Olmos, U. Pettersson-Kymmer, D. M. Reid, J. A. Riancho, P. M. Ridker, F. Rousseau, P. E. Slagboom, N. L. S. Tang, R. Urreizti, W. Van Hul, J. Viikari, M. T. Zarrabeitia, Y. S. Aulchenko, M. Castano-Betancourt, E. Grundberg, L. Herrera, T. Ingvarsson, H. Johannsdottir, T. Kwan, R. Li, R. Luben, C. Medina-Gómez, S. Th. Palsson, S. Reppe, J. I. Rotter, G. Sigurdsson, J. B. J. van Meurs, D. Verlaan, F. M. K. Williams, A. R. Wood, Y. Zhou, K. M. Gautvik, T. Pastinen, S. Raychaudhuri, J. A. Cauley, D. I. Chasman, G. R. Clark, S. R. Cummings, P. Danoy, E. M. Denison, R. Eastell, J. A. Eisman, V. Gudnason, A. Hofman, R. D. Jackson, G. Jones, J. W. Jukema, K.-T. Khaw, T. Lehtimäki, Y. Liu, M. Lorentzon, E. McCloskey, B. D. Mitchell, K. Nandakumar, G. C. Nicholson, B. A. Oostra, M. Peacock, H. A. P. Pols, R. L. Prince, O. Raitakari, I. R. Reid, J. Robbins, P. N. Sambrook, P. C. Sham, A. R. Shuldiner, F. A. Tylavsky, C. M. van Duijn, N. J. Wareham, L. A. Cupples, M. J. Econs, D. M. Evans, T. B. Harris, A. W. C. Kung, B. M. Psaty, J. Reeve, T. D. Spector, E. A. Streeten, M. C. Zillikens, U. Thorsteinsdottir, C. Ohlsson, D. Karasik, J. B. Richards, M. A. Brown, K. Stefansson, A. G. Uitterlinden, S. H. Ralston, J. P. A. Ioannidis, D. P. Kiel & F. Rivadeneira. **Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture.** *Nat. Genet.* **44**, 491–501 (2012).
DOI: 10.1038/ng.2249 · PMID: 22504420 · PMCID: pmc3338864
- 21 Kamboh MI, F. Y. Demirci, X. Wang, **Minster RL**, M. M. Carrasquillo, V. S. Pankratz, S. G. Younkin, A. J. Saykin, the Alzheimer's Disease Neuroimaging Initiative, G. Jun, C. Baldwin, M. W. Logue, J. Buros, L. Farrer, M. A. Pericak-Vance, J. L. Haines, R. A. Sweet, M. Ganguli, E. Feingold, DeKosky ST, O. L. Lopez & M. M. Barmada. **Genome-wide association study of Alzheimer's disease.** *Transl. Psychiatry* **2**, e117 (2012).
DOI: 10.1038/tp.2012.45 · PMID: 22832961 · PMCID: pmc3365264

Refereed Articles

- 22 C.-T. Liu, K. Estrada, L. M. Yerges-Armstrong, N. Amin, E. Evangelou, G. Li, **Minster RL**, M. A. Carless, C. M. Kammerer, L. Oei, Y. Zhou, N. Alonso, Z. Dailiana, J. Eriksson, N. García-Giralt, S. Giroux, L. B. Husted, R. I. Khusainova, T. Koromila, A. W. C. Kung, J. R. Lewis, L. Masi, S. Mencej-Bedrac, X. Nogues, M. S. Patel, J. Prezelj, J. B. Richards, P. C. Sham, T. Spector, L. Vandemput, S.-M. Xiao, H.-F. Zheng, K. Zhu, S. Balcells, M. L. Brandi, M. Frost, D. Goltzman, J. González-Macías, M. Karlsson, E. K. Khusnutdinova, P. Kollia, B. L. Langdahl, Ö. Ljunggren, M. Lorentzon, J. Marc, D. Mellström, C. Ohlsson, J. M. Olmos, S. H. Ralston, J. A. Riancho, F. Rousseau, R. Urreiziti, W. Van Hul, M. T. Zarrabeitia, M. Castano-Betancourt, S. Demissie, E. Grundberg, L. Herrera, T. Kwan, C. Medina-Gómez, T. Pastinen, G. Sigurdsson, G. Thorleifsson, J. B. J. van Meurs, J. Blangero, A. Hofman, Y. Liu, B. D. Mitchell, J. R. O'Connell, B. A. Oostra, J. I. Rotter, K. Stefansson, E. A. Streeten, U. Styrkarsdottir, U. Thorsteinsdottir, F. A. Tyllavsky, A. Uitterlinden, J. A. Cauley, T. B. Harris, J. P. A. Ioannidis, B. M. Psaty, J. A. Robbins, M. C. Zillikens, C. M. van Duijn, R. L. Prince, D. Karasik, F. Rivadeneira, D. P. Kiel, L. A. Cupples & Y.-H. Hsu. **Assessment of gene-by-sex interaction effect on bone mineral density.** *J. Bone Miner. Res.* **27**, 2051–64 (2012).
DOI: 10.1002/jbmr.1679 · PMID: 22692763 · PMCID: pmc3447125
- 23 Kamboh MI, M. M. Barmada, F. Y. Demirci, **Minster RL**, M. M. Carrasquillo, V. S. Pankratz, S. G. Younkin, A. J. Saykin, the Alzheimer's Disease Neuroimaging Initiative, R. A. Sweet, E. Feingold, DeKosky ST & O. L. Lopez. **Genome-wide association analysis of age-at-onset in Alzheimer's disease.** *Mol. Psychiatry* **17**, 1340–6 (2012).
DOI: 10.1038/mp.2011.135 · PMID: 22005931 · PMCID: PMC3262952
- 24 J. L. Sanders*, **Minster RL*** M. M. Barmada, A. M. Matteini, R. M. Boudreau, K. Christensen, R. Mayeux, I. B. Borecki, Q. Zhang, T. Perls & A. B. Newman. **Heritability of and mortality prediction with a longevity phenotype: the Healthy Aging Index.** *J. Gerontol. A Biol. Sci. Med. Sci.* **69**, 479–85 (2014).
DOI: 10.1093/gerona/glt117 · PMID: 23913930 · PMCID: pmc3968826
* Co-First Authors
- 25 B. A. Kozel, C.-T. Su, J. R. Danback, **Minster RL**, S. Madan-Khetarpal, J. McConnell, M. K. Mac Neal, K. L. Levine, R. C. Wilson, R. C. Scirba & Z. Urban. **Biomechanical properties of the skin in cutis laxa.** *J. Invest. Dermatol.* **134**, 2836–8 (2014).
DOI: 10.1038/jid.2014.224 · PMID: 24844858 · PMCID: pmc4199921

Refereed Articles

- 26 A. Moayyeri, Y.-H. Hsu, D. Karasik, K. Estrada, S.-M. Xiao, C. Nielson, P. Srikanth, S. Giroux, S. G. Wilson, H.-F. Zheng, A. V. Smith, S. R. Pye, P. J. Leo, A. Teumer, J.-Y. Hwang, C. Ohlsson, F. McGuigan, **Minster RL**, C. Hayward, J. M. Olmos, L.-P. Lytykäinen, J. R. Lewis, K. M. A. Swart, L. Masi, C. Oldmeadow, E. G. Holliday, S. Cheng, N. M. van Schoor, N. C. Harvey, M. Kruk, M. Fabiola Del Greco, W. Igl, O. Trummer, E. Grigoriou, R. Luben, C.-T. Liu, Y. Zhou, L. Oei, C. Medina-Gomez, J. Zmuda, G. Tranah, S. J. Brown, F. M. Williams, N. Soranzo, J. Jakobsdottir, K. Siggeirsdottir, K. L. Holliday, A. Hannemann, M. J. Go, M. Garcia, O. Polasek, M. Laaksonen, K. Zhu, A. W. Enneman, M. McEvoy, R. Peel, P. C. Sham, M. Jaworski, Å. Johansson, A. A. Hicks, P. Pludowski, R. Scott, R. A. M. Dhonukshe-Rutten, N. van der Velde, M. Kähönen, J. S. Viikari, H. Sievänen, O. T. Raitakari, J. González-Macías, J. L. Hernández, D. Mellström, Ö. Ljunggren, Y. S. Cho, U. Völker, M. Nauck, G. Homuth, H. Völzke, R. Haring, M. A. Brown, E. McCloskey, G. C. Nicholson, R. Eastell, J. A. Eisman, G. Jones, I. R. Reid, E. M. Dennison, J. Wark, S. Boonen, D. Vanderschueren, F. C. W. Wu, T. Aspelund, J. B. Richards, D. Bauer, A. Hofman, K.-T. Khaw, G. Dedoussis, B. Obermayer-Pietsch, U. Gyllensten, P. P. Pramstaller, R. S. Lorenc, C. Cooper, A. W. C. Kung, P. Lips, M. Alen, J. Attia, M. L. Brandi, L. C. de Groot, T. Lehtimäki, J. A. Riancho, H. Campbell, Y. Liu, T. B. Harris, K. Akesson, M. Karlsson, J.-Y. Lee, H. Wallaschofski, E. L. Duncan, T. W. O'Neill, V. Gudnason, T. D. Spector, F. Rousseau, E. Orwoll, S. Cummings, N. J. Wareham, F. Rivadeneira, A. G. Uitterlinden, R. L. Prince, D. P. Kiel, J. Reeve & S. K. Kaptoge. **Genetic determinants of heel bone properties: Genome-wide association meta-analysis and replication in the GEFOS/GENOMOS consortium.** *Hum. Mol. Genet.* **23**, 3054–68 (2014).
DOI: 10.1093/hmg/ddt675 · PMID: 24430505 · PMCID: pmc4038791
- 27 D. W. Loth, M. Soler Artigas, S. A. Gharib, L. Wain, N. Franceschini, B. Koch, T. Pottinger, A. V. Smith, C. Oldmeadow, D. P. Strachan, A. L. James, L. Zgaga, I. Rudan, C. Hayward, L. Smith, N. J. Wareham, J. Kaprio, M. Kähönen, C. Flexeder, E. Albrecht, L. M. Lopez, K. de Jong, B. Thyagarajan, A. Da Silva Couto Alves, S. Enroth, P. K. Josh, E. Ingelsson, A. Viñuela Rodriguez, L. J. Launer, L. R. Loehr, M. Fornage, G. Li, J. Wilk, W. Tang, A. Manichukul, L. Lahousse, T. B. Harris, K. E. North, A. R. Rudnicka, J. Hui, X. Gu, T. Lumley, A. F. Wright, N. D. Hastie, S. Campbell, R. Kumar, R. Scott, K. H. Pietiläinen, I. Surakka, Y. Liu, E. G. Holliday, H. Schulz, J. Heinrich, G. Davies, J. M. Vonk, M. Wojczynski, A. Pouta, Å. Johansson, S. H. Wild, T. Fall, F. Rivadeneira, H. Völzke, P. G. Hysi, G. Eiriksdottir, A. C. Morrison, J. I. Rotter, W. Gao, D. S. Postma, W. White, S. S. Rich, A. Hofman, T. Aspelund, D. Couper, L. J. Smith, B. M. Psaty, K. Lohman, E. Bouchard, A. G. Uitterlinden, M. Garcia, B. R. Joubert, W. L. McArdle, A. B. Musk, N. Hansel, S. Heckbert, J. E. Huffman, P. Navarro, V. Vitart, S. Redline, J. H. Zhao, T. Rantanen, G. T. O'Connor, S. Ripatti, R. J. Scott, S. Karrasch, H. Grallert, J. M. Starr, C. Wijmenga, **Minster RL**, D. Lederer, J. Pekkanen, U. Gyllensten, H. Campbell, A. P. Morris, S. Gläser, C. J. Hammond, K. Burkhardt, J. Beilby, S. B. Kritchevsky, V. Gudnason, D. B. Hancock, O. D. Williams, O. Polasek, T. Zemunik, I. Kolcic, M. Petrini, A. Viljanen, M. Heliovaara, J. R. Attia, R. Hampel, C. Gieger, I. Deary, H. M. Boezen, A. Newman, M.-R. Jarvelin, J. F. Wilson, L. Lind, B. H. Stricker, A. Teumer, T. D. Spector, M. Peters, K. R. Bracke, F. M. Verhamme, P. Hiemstra, P. A. Cassano, A. Sood, J. Dupuis, I. Hall, G. G. Brusselle, M. D. Tobin & S. J. London. **Genome-wide association analysis identifies six new loci associated with forced vital capacity.** *Nat. Genet.* **46**, 669–77 (2014).
DOI: 10.1038/ng.3011 · PMID: 24929828 · PMCID: pmc4140093

Refereed Articles

- 28 N. L. Hawley, **Minster RL**, D. E. Weeks, S. Viali, M. S. Reupena, G. Sun, H. Cheng, R. Deka & S. T. McGarvey. **Prevalence of adiposity and associated cardiometabolic risk factors in the Samoan Genome-Wide Association Study.** *Am. J. Hum. Biol.* **26**, 491–501 (2014).
DOI: 10.1002/ajhb.22553 · PMID: 24799123 · PMCID: pmc4292846
- 29 O. D. Buhule, **Minster RL**, N L. Hawley, M. Medvedovic, G. Sun, S. Viali, R. Deka, S. T. McGarvey & D. E. Weeks. **Stratified randomization controls better for batch effects in 450K methylation analysis: a cautionary tale.** *Front. Genet.* **5**, 354 (2014).
DOI: 10.3389/fgene.2014.00354 · PMID: 25352862 · PMCID: pmc4195366
- 30 B. Thyagarajan, M. Wojczynski, **R. MINSTER**, J. Sanders, S. Barral, L Christiansen, R. G. Barr, CHARGE Consortium, SpiroMeta Consortium & A. Newman. **Genetic variants associated with lung function: the Long Life Family Study.** *Respir. Res.* **15**, 134 (2014).
DOI: 10.1186/s12931-014-0134-x · PMID: 25409777 · PMCID: pmc4228089
- 31 **Minster RL**, J. L. Sanders, J. Singh, C. M. Kammerer, M. M. Barmada, A. M. Matteini, Q. Zhang, M. K. Wojczynski, E. W. Daw, J. A. Brody, A. M. Arnold, K. L. Lunetta, J. M. Murabito, K. Christensen, T. T. Perls, M. A. Province & A. B. Newman. **Genomewide association study and linkage analysis of Healthy Aging Index in the Long Life Family Study.** *J. Gerontol. A Biol. Sci. Med. Sci.* **70**, 1003 (2015).
DOI: 10.1093/gerona/glv006 · PMID: 25758594 · PMCID: pmc4506316
- 32 J. L. Sanders, J. Singh, **Minster RL**, J. D. Walston, A. M. Matteini, K. Christensen, R. Mayeux, I. B. Borecki, T. Perls & A. B. Newman. **Association between mortality and heritability of the Scale of Aging Vigor in Epidemiology.** *J. Am. Geriatr. Soc.* **64**, 1679 (2016).
DOI: 10.1111/jgs.14190 · PMID: 27294813 · PMCID: pmc4988884
- 33 **Minster RL**, 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.** *Nat. Genet.* **48**, 1049 (2016).
DOI: 10.1038/ng.3620 · PMID: 27455349 · PMCID: pmc5069069
- 34 S. A. Sherman, R. J. Rogers, K. K. Davis, **Minster RL**, S. A. Creasy, N. C. Mullarkey, M. O'Dell, P. Donahue & J. M. Jakicic. **Energy expenditure in vinyasa yoga versus walking.** *J. Phys. Act. Health* **14**, 597 (2017).
DOI: 10.1123/jpah.2016-0548 · PMID: 28422589
- 35 J. Singh, **Minster RL**, N. Schupf, A. Kraja, Y. Liu, K. Christensen, A. B. Newman & C. K. Kammerer. **Genomewide association scan of a mortality associated endophenotype for a long and healthy life in the Long Life Family Study.** *J. Gerontol. A Biol. Sci. Med. Sci.* **72**, 1411 (2017).
DOI: 10.1093/gerona/glx011 · PMID: 28329217 · PMCID: pmc5861859
- 36 M. M. Marron, J. Singh, R. M. Boudreau, K. Christensen, S. Cosentino, M. F. Feitosa, **Minster RL**, T. Perls, N. Schupf, P. Sebastiani, S. Ukraintseva, M. K. Wojczynski & A. B. Newman. **A novel healthy blood pressure phenotype in the Long Life Family Study.** *J. Hypertens.* **36**, 43 (2018).
DOI: 10.1097/hjh.0000000000001514 · PMID: 28837423 · PMCID: pmc5893936

Refereed Articles

- 37 M. Krishnan, T. J. Major, R. K. Topless, O. Dewes, L. Yu, J. M. D. Thompson, L. McCowan, J. de Zoysa, L. K. Stamp, N. Dalbeth, J. Harré Hindmarsh, N. Rapana, R. Deka, W.W.H. Eng, D. E. Weeks, **Minster RL**, S. T. McGarvey, S. Viali, P. Wilcox, D. Grattan, P. R. Shepherd, A. N. Shelling, R. Murphy & T. R. Merriman. **Discordant association of the *CREBRF* rs373863828 minor allele with increased body mass index and protection from type 2 diabetes in Māori and Pacific (Polynesian) people living in New Zealand.** *Diabetologia* **61**, 1603 (2018).
DOI: 10.1007/s00125-018-4623-1 · PMID: 29721634 · PMCID: pmc6434933
- 38 T. J. Major, M. Krishnan, R. K. Topless, O. Dewes, J. Thompson, J. Zoysa, L. K. Stamp, N. Dalbeth, R. Deka, D. E. Weeks, **Minster RL**, P. Wilcox, D. Grattan, P. R. Shepherd, A. N. Shelling, R. Murphy & T. R. Merriman. **Re: “Widespread prevalence of a *CREBRF* variant amongst Māori and Pacific children is associated with weight and height in early childhood.”** *Int. J. Obes. (Lond.)* **42**, 1389 (2018).
DOI: 10.1038/s41366-018-0025-1 · PMID: 29511321 · PMCID: pmc6054808
- 39 A. L. Kuipers, M. K. Wojczynski, E. Barinas-Mitchell, **Minster RL**, L. Wang, M. F. Feitosa, A. Kulminski, B. Thyagarajan, J. H. Lee, M. A. Province, A. B. Newman & J. M. Zmuda for the Long Life Family Study. **Genome-wide linkage analysis of carotid artery traits in exceptionally long-lived families.** *Atherosclerosis* **291**, 19 (2019).
DOI: 10.1016/j.atherosclerosis.2019.10.008 · PMID: 31634740 · PMCID: pmc6899182
- 40 M. M. Marron, M. K. Wojczynski, **Minster RL**, R. M. Boudreau, P. Sabastiani, S. Cosentino, B. Thyagarajan, S. V. Ukraintseva, N. Schupf, K. Christensen, M. Feitosa, J. M. Zmuda & A. B. Newman for the Long Life Family Study. **Heterogeneity of healthy aging: comparing long-lived families across five healthy aging phenotypes of blood pressure, memory, pulmonary function, grip strength, and metabolism.** *GeroScience* **41**, 383 (2019).
DOI: 10.1007/s11357-019-00086-y · PMID: 31332674 · PMCID: pmc6815318
- 41 A. T. Kraja, E. W. Daw, P. Lenzini, L. Wang, S. J. Lin, C. A. Williams, A. B. Wells, K. L. Lunetta, J. M. Murabito, P. Sebastiani, G. Tosto, S. Barral, **Minster RL**, A. Yashin, T. Perls & M. A. Province. **A comparison of genetic imputation methods using Long Life Family Study genotypes and sequence data with the 1000 Genome reference panel.** *Int. J. Bioinform. Res. Appl.* **16**, 59 (2020).
DOI: 10.1504/ijbra.2020.104855
- 42 D. N. Harris, M. D. Kessler, A. C. Shetty, D. E. Weeks, **Minster RL**, S. Browning, E. E. Cochrane, R. Deka, N. L. Hawley, M. S. Reupena, T. Naseri, Trans-Omics for Precision Medicine (TOPMed) Consortium, TOPMed Population Genetics Working Group, S. T. McGarvey & T. D. O’Connor. **Evolutionary genomics of Samoans.** *Proc. Natl Acad. Sci. U. S. A.* **117**, 9458 (2020).
DOI: 10.1073/pnas.1913157117 · PMID: 32291332 · PMCID: pmc7196816

Refereed Articles

- 43 N. L. Hawley, A. Pomer, A. C. Rivara, S. L. Rosenthal, R. L. Duckham, J. C. Carlson, T. Naseri, M. S. Reupena, M. Selu, V. Lupematisila, F. Unasa, L. Vesi, T. Fatu, S. Unasa, K. Faasalele-Savusa, A. I. Wetzell, C. Soti-Ulberg, A. T. Prescott, G. Siufaga, C. Penaia, S. B. To, L. C. LaMonica, V. Lameko, C. C. Choy, S. E. Crouter, S. Redline, R. Deka, E. E. Kershaw, Z. Urban, **Minster RL**, D. E. Weeks & S. T. McGarvey. **Exploring the paradoxical relationship of a Creb 3 regulatory factor missense variant with body mass index and diabetes among Samoans: Study protocol for the Soifua Manuia (Good Health) Observational Cohort Study.** *JMIR Res. Protoc.* **9**, e17329 (2020).
DOI: 10.2196/17329 · PMID: 32706746 · PMCID: pmc7413272
- 44 L. W. Heinsberg, S. A. Alexander, E. A. Crago, **Minster RL**, S. M. Poloyac, D. E. Weeks & Y. P. Conley. **Genetic variability in the iron homeostasis pathway and patient outcomes after aneurysmal subarachnoid hemorrhage.** *Neurocrit. Care* **33**, 749 (2020).
DOI: 10.1007/s12028-020-00961-z · PMID: 32246437 · PMCID: pmc7541432
- 45 J. C. Carlson, S. L. Rosenthal, E. M. Russell, N. L. Hawley, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, J. Tuitele, R. Deka, S. T. McGarvey, D. E. Weeks & **Minster RL**. **A missense variant in CREBRF is associated with taller stature in Samoans.** *Am. J. Hum. Biol.* **32**, e23414 (2020).
DOI: 10.1002/ajhb.23414 · PMID: 32190945 · PMCID: pmc7501196
- 46 J. C. Carlson, D. E. Weeks, N. L. Hawley, G. Sun, H. Chen, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey & **Minster RL**. **Genome-wide association studies in Samoans give insight into the genetic etiology of fasting serum lipid levels.** *J. Hum. Genet.* **66**, 111 (2021).
DOI: 10.1038/s10038-020-0816-9 · PMID: 32759990 · PMCID: pmc7785639
- 47 M. T. Simon; S. S. Eftekharian; S. Ferdinandusse; S. Tang; T. Naseri; M. S. Reupena; S. T. McGarvey; **Minster RL**; D. E. Weeks; the Samoan Obesity, Lifestyle, and Genetic Adaptations (ÖLaGA) Study Group; D. D. Nguyen; S. Lee; K. Ellsworth; F. M. Vaz; D. Dimmock; J. Pitt; & J. E. Abdenur. **ECHS1 disease in two unrelated families of Samoan descent: Common variant—rare disorder.** *Am. J. Med. Genet. A* **185**, 157 (2021).
DOI: 10.1002/ajmg.a.61936 · PMID: 33112498 · PMCID: pmc7746601
- 48 R. A. Sherlala, C. M. Kammerer, A. L. Kuipers, M. K. Wojczynski, S. V. Ukraintseva, M. F. Feitosa, J. Mengel-From, J. M. Zmuda & **Minster RL** for the Long Life Family Study. **Assessing the relationship between serum IGF-1 and BMI by age in the Long Life Family Study.** *J. Gerontol. A Biol. Sci. Med. Sci.* **76**, 1303 (2021).
DOI: 10.1093/gerona/glaa282 · PMID: 33180942 · PMCID: pmc8202150
- 49 H. Sun; M. Lin; E. M. Russell; **Minster RL**; T. F. Chan; B. L. Dinh; T. Naseri; M. S. Reupena; A. Lum-Jones; the Samoan Obesity, Lifestyle, and Genetic Adaptations (ÖLaGA) Study Group; I. Cheng; L. R. Wilkens; L. Le Marchand; C. A. Haiman & C. W. K. Chiang. **The impact of global and local Polynesian genetic ancestry on complex traits in Native Hawaiians.** *PLoS Genet.* **17**, e1009273 (2021).
DOI: 10.1371/journal.pgen.1009273 · PMID: 33571193 · PMCID: pmc7877570

Refereed Articles

- 50 J. J. Yudkovicz, **Minster RL**, E. Barinas-Mitchell, K. Christensen, M. Feitosa, M. S. Barker, A. B. Newman & A. L. Kuipers. **Pleiotropic effects between cardiometabolic traits and function in long-lived adults.** *Sci. Rep.* **11**, 17980 (2021).
DOI: 10.1038/s41598-021-97298-0 · PMID: 34504188 · PMCID: pmc8429644
- 51 J. S. Kanshana, P. E. Mattila, M. C. Ewing, A. N. Wood, G. Schoiswohl, A. C. Meyer, A. Kowalski, S. L. Rosenthal, S. Gingras, B. A. Kaufman, R. Lu, Z. Urban, D. E. Weeks, S. T. McGarvey, **Minster RL**, N. L. Hawley & E. E. Kershaw. **A murine model of the human *CREBRF*^{R457Q} obesity-risk variant does not influence energy or glucose homeostasis in response to nutritional stress.** *PLoS One* **16**, e0251895 (2021).
DOI: 10.1371/journal.pone.0251895 · PMID: 34520472 · PMCID: pmc8439463
- 52 L. W. Heinsberg, D. E. Weeks, S. A. Alexander, **Minster RL**, P. R. Sherwood, S. M. Poloyac, S. Deslouches, E. A. Crago & Y. P. Conley. **Iron homeostasis pathway DNA methylation trajectories reveal a role for *STEAP3* metalloreductase in patient outcomes after aneurysmal subarachnoid hemorrhage.** *Epigenet. Commun.* **1**, 4 (2021).
DOI: 10.1186/s43682-021-00003-5 · PMID: 35083470 · PMCID: pmc8788201
- 53 M. A. Taub, M. P. Conomos, R. Keener, K. R. Iyer, J. S. Weinstock, L. R. Yanek, J. Lane, T. W. Miller-Fleming, J. A. Brody, L. M. Raffield, C. P. McHugh, D. Jain, S. M. Gogarten, C. A. Laurie, A. Keramati, M. Arvanitis, A. V. Smith, B. Heavner, L. Barwick, L. C. Becker, J. C. Bis, J. Blangero, E. R. Bleecker, E. G. Burchard, J. C. Celedón, Y. P. C. Chang, B. Custer, D. Darbar, L. de las Fuentes, D. L. DeMeo, B. I. Freedman, M. E. Garrett, M. T. Gladwin, S. R. Heckbert, B. A. Hidalgo, M. R. Irvin, T. Islam, W. C. Johnson, S. Kaab, L. Launer, J. Lee, S. Liu, A. Moscati, K. E. North, P. A. Peyser, N. Rafaels, C. Seidman, D. E. Weeks, F. Wen, M. M. Wheeler, L. K. Williams, I. V. Yang, W. Zhao, S. Aslibekyan, P. L. Auer, D. W. Bowden, B. E. Cade, Z. Chen, M. H. Cho, L. A. Cupples, J. E. Curran, M. Daya, R. Deka, C. Eng, T. E. Fingerlin, X. Guo, L. Hou, S.-J. Hwang, J. M. Johnsen, E. E. Kenny, A. M. Levin, C. Liu, **Minster RL**, T. Naseri, M. Nourai, M. S. Reupena, E. C. Sabino, J. A. Smith, N. L. Smith, J. Lasky-Su, J. G. Taylor IV, M. J. Telen, H. K. Tiwari, R. P. Tracy, M. J. White, Y. Zhang, K. L. Wiggins, S. T. Weiss, R. S. Vasan, K. D. Taylor, M. F. Sinner, E. K. Silverman, M. B. Shoemaker, W. H.-H. Sheu, F. Sciruba, D. A. Schwartz, J. I. Rotter, D. Roden, S. Redline, B. A. Raby, B. M. Psaty, J. M. Peralta, N. D. Palmer, S. Nekhai, C. G. Montgomery, B. D. Mitchell, D. A. Meyers, S. T. McGarvey, F. D. Martinez on behalf of the NHLBI CARE Network, A. C. Y. Mak, R. J. F. Loos, R. Kumar, C. Kooperberg, B. A. Konkle, S. Kelly, S. L. R. Kardia, R. Kaplan, J. He, H. Gui, F. D. Gilliland, B. D. Gelb, M. Fornage, P. T. Ellinor, M. de Andrade, A. Correa, Y.-D. I. Chen, E. Boerwinkle, K. C. Barnes, A. E. Ashley-Koch, D. K. Arnett, C. Albert, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, TOPMed Hematology and Hemostasis Working Group, TOPMed Structural Variation Working Group, C. C. Laurie, G. Abecasis, D. A. Nickerson, J. G. Wilson, S. S. Rich, D. Levy, I. Ruczinski, A. Aviv, T. W. Blackwell, T. Thornton, J. O'Connell, N. J. Cox, J. A. Perry, M. Armanios, A. Battle, N. Pankratz, A. P. Reiner & R. A. Mathias. **Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed.** *Cell Genomics* **2**, 100084 (2022).
DOI: 10.1016/j.xgen.2021.100084 · PMID: 35530816 · PMCID: pmc9075703

Refereed Articles

- 54 E. M. Russell, J. C. Carlson, M. Krishnan, N. L. Hawley, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, S. Viali, J. Tuitele, T. J. Major, I. Miljkovic, T. R. Merriman, R. Deka, D. E. Weeks, S. T. McGarvey & **Minster RL**. **CREBRF missense variant rs373863828 has both direct and indirect effects on type 2 diabetes and fasting glucose in Polynesian peoples living in Samoa and Aotearoa New Zealand.** *BMJ Open Diabetes Res. Care* **10**, e002275 (2022).
DOI: 10.1136/bmjdr-2021-002275 · PMID: 35144939 · PMCID: pmc8845200
- 55 T. Nakao; A. G. Bick; M. A. Taub; S. M. Zekavat; M. M. Uddin; A. Niroula; C. L. Carty; J. Lane; M. C. Honigberg; J. S. Weinstock; A. Pampana; C. J. Gibson; G. K. Griffin; S. L. Clarke; R. Bhattacharya; T. L. Assimes; L. S. Emery; A. M. Stilp; Q. Wong; J. Broome; C. A. Laurie; A. T. Khan; A. V. Smith; T. W. Blackwell; V. Codd; C. P. Nelson, Z. T. Yoneda; J. M. Peralta; D. W. Bowden; M. R. Irvin; M. Boorgula; W. Zhao; L. R. Yanek; K. L. Wiggins; J. E. Hixson; C. C. Gu; G. M. Peloso; D. M. Roden; M. S. Reupena; C.-M. Hwu; D. L. DeMeo; K. E. North; S. Kelly; S. K. Musani; J. C. Bis; D. M. Lloyd-Jones; J. M. Johnsen; M. Preuss; R. P. Tracy; P. A. Peyser; D. Qiao; P. Desai; J. E. Curran; B. I. Freedman; H. K. Tiwari; S. Chavan; J. A. Smith; N. L. Smith; T. N. Kelly; B. Hildalgo; L. A. Cupples; D. E. Weeks; N. L. Hawley; **MINSTER RL**; the Samoan Obesity, Lifestyle, and Genetic Adaptations Study (ŌLaGA) Group; R. Deka; T. Naseri; L. de Las Fuentes; L. M. Raffield; A. C. Morrison; P. S. Vries; C. M. Ballantyne; E. E. Kenny; S. S. Rich; E. A. Whitsel; M. H. Cho; M. B. Shoemaker; B. S. Pace; J. Blangero; N. D. Palmer; B. D. Mitchell; A. R. Shuldiner; K. C. Barnes; S. Redline; S. L. R. Kardia; G. R. Abecasis; L. C. Becker; S. R. Heckbert; J. He; W. Post; D. K. Arnett; R. S. Vasani; D. Darbar; S. T. Weiss; S. T. McGarvey; M. de Andrade; Y.-D. I. Chen; R. C. Kaplan; D. A. Meyers; B. S. Custer; A. Correa; B. M. Psaty; M. Fornage; J. E. Manson; E. Boerwinkle; B. A. Konkle; R. J. F. Loos; J. I. Rotter; E. K. Silverman; C. Kooperberg; J. Danesh; N. J. Samani; S. Jaiswal; P. Libby; P. T. Ellinor; N. Pankratz; B. L. Ebert; A. P. Reiner; R. A. Mathias; R. Do, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium & P. Natarajan. **Bidirectional Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of intermediate potential.** *Sci. Adv.* **8**, eabl6579 (2022).
DOI: 10.1126/sciadv.abl6579 · PMID: 35385311 · PMCID: pmc8986098
- 56 P. Bastard, K.-C. Hsiao, Q. Zhang, J. Choin, E. Best, J. Chen, A. Gervais, L. Bizien, M. Materna, C. Harmant, M. Roux, N. L. Hawley, D. E. Weeks, S. T. McGarvey, K. Sandoval, C. Barberena-Jonas, C. D. Quinto-Cortés, E. Hagelberg, A. J. Mentzer, K. Robson, B. Coulibaly, Y. Seeleuthner, B. Bigio, Z. Li, G. Uzé, S. Pellegrini, L. Lorenzo, Z. Sbihi, S. Latour, M. Besnard, T. A. de Beaumais, E. J. Aigrain, V. Béziat, R. Deka, L. Esera, S. Viali, M. S. Reupena, T. Naseri, P. McNaughton, V. Sarkozy, J. Peake, A. Blincoe, S. Primhak, S. Stables, K. Gibson, S. T. Woon, K. Drake, A. V. S. Hill, C.-Y. Chan, R. King, R. Ameratunga, I. Teiti, M. Aubry, V.-M. Cao-Lormeau, S. G. Tangye, S.-Y. Zhang, E. Jouanguy, P. E. Gray, L. Abel, A. Moreno-Estrada* **Minster RL***, L. Quintana-Murci*, A. C. Wood* & J.-L. Casanova* **A loss-of-function IFNAR1 allele in Polynesia underlies severe viral diseases in homozygotes.** *J. Exp. Med.* **219**, e20220028 (2022).
DOI: 10.1084/jem.20220028 · PMID: 35442418 · PMCID: pmc9026234

* Co-Senior Authors

Refereed Articles

- 57 Fu H, Hawley NL, Carlson JC, Russell EM, Pomer A, Cheng H, Naseri T, Reupena MS, Deka R, Choy CC, McGarvey ST, **Minster RL**, Weeks DE. **The missense variant, rs373863828, in CREBRF plays a role in longitudinal changes in BMI in Samoans.** *Obes. Res. Clin. Pract.* **16**, 220 (2022). DOI: 10.1016/j.orcp.2022.04.004 · PMID: 35606300
- 58 DiCorpo D, Gaynor SM, Russell EM, Westerman KE, Raffield LM, Majarian TD, Wu P, Sarnowski C, Highland HM, Jackson A, Hasbani NR, de Vries PS, Brody JA, Hidalgo B, Guo X, Perry JA, O'Connell JR, Lent S, Montasser ME, Cade BE, Jain D, Wang H, D'Oliveira Albanus R, Varshney A, Yanek LR, Lange L, Palmer ND, Almeida M, Peralta JM, Aslibekyan S, Baldrige AS, Bertoni AG, Bielak LF, Chen CS, Chen YI, Choi WJ, Goodarzi MO, Floyd JS, Irvin MR, Kalyani RR, Kelly TN, Lee S, Liu CT, Loesch D, Manson JE, **Minster RL**, Naseri T, Pankow JS, Rasmussen-Torvik LJ, Reiner AP, Reupena MS, Selvin E, Smith JA, Weeks DE, Xu H, Yao J, Zhao W, Parker S, Alonso A, Arnett DK, Blangero J, Boerwinkle E, Correa A, Cupples LA, Curran JE, Duggirala R, He J, Heckbert SR, Kardia SLR, Kim RW, Kooperberg C, Liu S, Mathias RA, McGarvey ST, Mitchell BD, Morrison AC, Peyser PA, Psaty BM, Redline S, Shuldiner AR, Taylor KD, Vasani RS, Viaud-Martinez KA, Florez JC, Wilson JG, Sladek R, Rich SS, Rotter JI, Lin X, Dupuis J, Meigs JB, Wessel J, Manning AK. **Whole genome sequence association analysis of fasting glucose and fasting insulin levels in diverse cohorts from the NHLBI TOPMed program.** *Commun. Biol.* **5**, 756 (2022). DOI: 10.1038/s42003-022-03702-4 · PMID: 35902682 · PMCID: PMC9334637
- 59 Kelly TN, Sun X, He KY, Brown MR, Taliun SAG, Hellwege JN, Irvin MR, Mi X, Brody JA, Franceschini N, Guo X, Hwang SJ, de Vries PS, Gao Y, Moscati A, Nadkarni GN, Yanek LR, Elfassy T, Smith JA, Chung RH, Beitelshes AL, Patki A, Aslibekyan S, Blobner BM, Peralta JM, Assimes TL, Palmas WR, Liu C, Bress AP, Huang Z, Becker LC, Hwa CM, O'Connell JR, Carlson JC, Warren HR, Das S, Giri A, Martin LW, Johnson WC, Fox ER, Bottinger EP, Razavi AC, Vaidya D, Chuang LM, Chang YC, Naseri T, Jain D, Kang HM, Hung AM, Srinivasasainagendra V, Snively BM, Gu D, Montasser ME, Reupena MS, Heavner BD, LeFaive J, Hixson JE, Rice KM, Wang FF, Nielsen JB, Huang J, Khan AT, Zhou W, Nierenberg JL, Laurie CC, Armstrong ND, Shi M, Pan Y, Stilp AM, Emery L, Wong Q, Hawley NL, **Minster RL**, Curran JE, Munroe PB, Weeks DE, North KE, Tracy RP, Kenny EE, Shimbo D, Chakravarti A, Rich SS, Reiner AP, Blangero J, Redline S, Mitchell BD, Rao DC, Chen YDI, Kardia SLR, Kaplan RC, Mathias RA, He J, Psaty BM, Fornage M, Loos RJJ, Correa A, Boerwinkle E, Rotter JI, Kooperberg C, Edwards TL, Abecasis GR, Zhu X, Levy D, Arnett DK, Morrison AC; Samoan Obesity, Lifestyle, and Genetic Adaptations Study (ŌLaGA) Group, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. **Insights from a large-scale whole-genome sequencing study of systolic blood pressure, diastolic blood pressure, and hypertension.** *Hypertension* **79**, 1656 (2022). DOI: 10.1161/hypertensionaha.122.19324 · PMID: 35652341

Refereed Articles

- 60 N. L. Hawley, R. L. Duckham, J. C. Carlson, T. Naseri, M. S. Reupena, V. Lameko, A. Pomer, A. Wetzel, M. Selu, V. Lupematisila, F. Unasa, L. Vesi, T. Fatu, S. Unasa, K. Faasalele-Savusa, S. Viali, A. C. Rivara, E. M. Russell, R. Deka, E. E. Kershaw, **Minster RL**, D. E. Weeks & S. T. McGarvey. **The protective effect of rs373863828 on type 2 diabetes does not operate through a body composition pathway in adult Samoans.** *medRxiv* (2021). *Obesity* (Silver Spring) in press (2022).
DOI: 10.1101/2021.02.11.21251582
DOI: 10.1002/oby.23559
- 61 B. M. Blobner, A. Kirabo, O. B. Kashlan, S. Sheng, D. K. Arnett, L. C. Becker, E. Boerwinkle, J. C. Carlson, Y. Gao, R. A. Gibbs, J. He, M. R. Irvin, S. L. R. Kardia, T. N. Kelly, C. Kooperberg, S. T. McGarvey, V. K. Menon, M. E. Montasser, T. Naseri, S. Redline, A. P. Reiner, M. S. Reupena, J. A. Smith, X. Sun, D. Vaidya, K. A. Viaud-Martinez, D. E. Weeks, L. R. Yanek, X. Zhu, NHLBI Trans-Omics in Precision Medicine (TOPMed) Consortium, **Minster RL** & T. R. Kleyman. **Rare variants in genes encoding subunits of the epithelial Na⁺ channel are associated with blood pressure and kidney function in the TOPMed Project.** *Hypertension* in press.
- 62 M. Krishnan, A. Phipps-Green, E. M. Russell, S. Altaf, T. J. Major, M. Cadzow, L. Stamp, N. Dalbeth, J. Harré Hindmarsh, S. Liu, J. C. Carlson, **Minster RL**, N. L. Hawley, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey, T. R. Merriman, R. Murphy & D. E. Weeks. **Association of rs9939609 in FTO with body mass index in people of Polynesian ancestries living in Aotearoa New Zealand and other Pacific nations.** *J. Hum. Genet.* submitted.
- 63 J. Z. Zhang, L. W. Heinsberg, M. Krishnan, N. L. Hawley, T. J. Major, J. C. Carlson, J. Harré Hindmarsh, H. Watson, M. Qasim, L. K. Stamp, N. Dalbeth, R. Murphy, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey, **Minster RL**, T. R. Merriman & D. E. Weeks. **Multivariate analysis of a missense variant in CREBRF reveals associations with measures of adiposity in people of Polynesian ancestries.** *Genet. Epidemiol.* submitted.

Preprints

- 1 J. Moors, M. Krishnan, N. Sumpter, R. Takei, M. Bixley, M. Cadzow, T. J. Major, A. Phipps-Green, R. Topless, M. Merriman, M. Rutledge, B. Morgan, J. C. Carlson, J. Z. Zhang, E. M. Russell, G. Sun, H. Cheng, D. E. Weeks, T. Naseri, M. S. Reupena, S. Viali, J. Tuitele, N. L. Hawley, R. Deka, S. T. McGarvey, J. de Zoysa, R. Murphy, N. Dalbeth, L. Stamp, M. Taumoepeau, F. King, P. Wilcox, S. McCormick, **Minster RL**, T. R. Merriman & M. Leask. **A population-specific missense variant rs159700001 in CETP promotes a favorable lipid profile and reduces CETP activity.** *medRxiv* (2021).
DOI: 10.1101/2021.09.11.21263438

Preprints

- 2 J. C. Carlson, M. Krishnan, S. L. Rosenthal, E. M. Russell, J. Z. Zhang, N. L. Hawley, J. Moors, H. Cheng, N. Dalbeth, J. de Zoysa, H. Watson, M. Qasim, R. Murphy, T. Naseri, M. S. Reupena, S. Viali, L. Stamp, J. Tuitele, E. E. Kershaw, R. Deka, S. T. McGarvey, T. R. Merriman, D. E. Weeks & **Minster RL. A stop-gain variant in *BTNL9* is associated with atherogenic lipid profiles.** *medRxiv* (2022). *HGG Adv.* submitted.
DOI: 10.1101/2022.06.22.22276448

- 1 D. Shungin, T.W. Winkler, D. C. Croteau-Chonka, T. Ferreira, A. E. Locke, R. Mägi, R. J. Strawbridge, T. H. Pers, K. Fischer, A. E. Justice, T. Workalemahu, J. M.W. Wu, M. L. Buchkovich, N. L. Heard-Costa, T. S. Roman, A.W. Drong, C. Song, S. Gustafsson, F.R. Day, T. Esko, T. Fall, Z. Kutalik, J. Luan, J. C. Randall, A. Scherag, S. Vedantam, A. R. Wood, J. Chen, R. Fehrmann, J. Karjalainen, B. Kahali, C.-T. Liu, E. M. Schmidt, D. Absher, N. Amin, D. Anderson, M. Beekman, J. L. Bragg-Gresham, S. Buyske, A. Demirkan, G. B. Ehret, M. F. Feitosa, A. Goel, A. U. Jackson, T. Johnson, M. E. Kleber, K. Kristiansson, M. Mangino, I. M. Leach, C. Medina-Gomez, C. D. Palmer, D. Pasko, S. Pechlivanis, M. J. Peters, I. Prokopenko, A. Stančáková, Y. J. Sung, T. Tanaka, A. Teumer, J.V. Van Vliet-Ostaptchouk, L. Yengo, W. Zhang, E. Albrecht, J. Ärnlöv, G. M. Arscott, S. Bandinelli, A. Barrett, C. Bellis, A. J. Bennett, C. Berne, M. Blüher, S. Böhringer, F. Bonnet, Y. Böttcher, M. Bruinenberg, D. B. Carba, I. H. Caspersen, R. Clarke, E.W. Daw, J. Deelen, E. Deelman, G. Delgado, A. S. F. Doney, N. Eklund, M. R. Erdos, K. Estrada, E. Eury, N. Friedrich, M. E. Garcia, V. Giedraitis, B. Gigante, A. S. Go, A. Golay, H. Grallert, T. B. Grammer, J. Gräßler, J. Grewal, C. J. Groves, T. Haller, G. Hallmans, C. A. Hartman, M. Hassinen, C. Hayward, K. Heikkilä, K.-H. Herzig, Q. Helmer, H. L. Hillege, O. Holmen, S. C. Hunt, A. Isaacs, T. Ittermann, A. L. James, I. Johansson, T. Juliusdottir, I.-P. Kalafati, L. Kinnunen, W. Koenig, I. K. Kooner, W. Kratzer, C. Lamina, K. Leander, N. R. Lee, P. Lichtner, L. Lind, J. Lindström, S. Lobbens, M. Lorentzon, F. Mach, P. K. E. Magnusson, A. Mahajan, W. L. McArdle, C. Menni, S. Merger, E. Mihailov, L. Milani, R. Mills, A. Moayyeri, K. L. Monda, S. P. Mooijaart, T.W. Mühleisen, A. Mulas, G. Müller, M. Müller-Nurasyid, R. Nagaraja, M. A. Nalls, N. Narisu, N. Glorioso, I. M. Nolte, M. Olden, N.W. Rayner, F. Renstrom, J. S. Ried, N. R. Robertson, L. M. Rose, S. Sanna, H. Scharnagl, S. Scholtens, B. Sennblad, T. Seufferlein, C. M. Sitlani, A. V. Smith, K. Stirrups, H. M. Stringham, J. Sundström, M. A. Swertz, A. J. Swift, A.-C. Syvänen, B. O. Tayo, B. Thorand, G. Thorleifsson, A. Tomaschitz, C. Troffa, F. V. A. van Oort, N. Verweij, J. M. Vonk, L. L. Waite, R. Wennauer, T. Wilsgaard, M. K. Wojczynski, A. Wong, Q. Zhang, J. H. Zhao, E. P. Brennan, M. Choi, P. Eriksson, L. Folkersen, A. Franco-Cereceda, A. G. Gharavi, Å. K. Hedman, M.-F. Hivert, J. Huang, S. Kanoni, F. Karpe, S. Keildson, K. Kiryluk, L. Liang, R. P. Lifton, B. Ma, A. J. McKnight, R. McPherson, A. Metspalu, J. L. Min, M. F. Moffatt, G.W. Montgomery, J. M. Murabito, G. Nicholson, D. R. Nyholt, C. Olsson, J. R. B. Perry, E. Reinmaa, R. M. Salem, N. Sandholm, E. E. Schadt, R. A. Scott, L. Stolk, E. E. Vallejo, H.-J. Westra, K. T. Zondervan, ADIPOGen Consortium, CARDIOGRAMplusC4D Consortium, CKDGen Consortium, *GEFOS Consortium*, GENIE Consortium, GLGC, ICBP, International Endogene Consortium, LifeLines Cohort Study, MAGIC Investigators, MuTHER Consortium, PAGE Consortium, ReproGen Consortium, P. Amouyel, D. Arveiler, S. J. L. Bakker, J. Beilby, R. N. Bergman, J. Blangero, M. J. Brown, M. Burnier, H. Campbell, A. Chakravarti, P. S. Chines, S. Claudi-Boehm, F. S. Collins, D. C. Crawford, J. Danesh, U. de Faire, E. J. C. de Geus, M. Dörr, R. Erbel, J. G. Eriksson, M. Farrall, E. Ferrannini, J. Ferrières, N. G. Forouhi, T. Forrester, O. H. Franco, R. T. Gansevoort, C. Gieger, V. Gudnason, C. A. Haiman, T. B. Harris, A. T. Hattersley, M. Heliövaara, A. A. Hicks, A. D. Hingorani, W. Hoffmann, A. Hofman, G. Homuth, S. E. Humphries, E. Hyppönen, T. Illig, M.-R. Jarvelin, B. Johansen, P. Jousilahti, A. M. Jula, J. Kaprio, F. Kee, S. M. Keinänen-Kiukaanniemi, J. S. Kooner, C. Kooperberg, P. Kovacs, A. T. Kraja, M. Kumari, K. Kuulasmaa, J. Kuusisto, T. A. Lakka, C. Langenberg, L. Le Marchand, T. Lehtimäki, V. Lyssenko, S. Männistö, A. Marette, T. C. Matise, C. A. McKenzie, B. McKnight, A. W. Musk, S. Möhlenkamp, A. D. Morris, M. Nelis, C. Ohlsson, A. J. Oldehinkel, K. K. Ong, L. J. Palmer, B.W. Penninx, A. Peters, P. P. Pramstaller,

Refereed Consortium Articles · Member of Consortia in Italics

- O. T. Raitakari, T. Rankinen, D. C. Rao, T. K. Rice, P. M. Ridker, M. D. Ritchie, I. Rudan, V. Salomaa, N. J. Samani, J. Saramies, M. A. Sarzynski, P. E. H. Schwarz, A. R. Shuldiner, J. A. Staessen, V. Steinthorsdottir, R. P. Stolk, K. Strauch, A. Tönjes, A. Tremblay, E. Tremoli, M.-C. Vohl, U. Völker, P. Vollenweider, J. F. Wilson, J. C. Witteman, L. S. Adair, M. Bochud, B. O. Boehm, S. R. Bornstein, C. Bouchard, S. Cauchi, M. J. Caulfield, J. C. Chambers, D. I. Chasman, R. S. Cooper, G. Dedousis, L. Ferrucci, P. Froguel, H.-J. Grabe, A. Hamsten, J. Hui, K. Hveem, K.-H. Jöckel, M. Kivimaki, D. Kuh, M. Laakso, Y. Liu, W. März, P. B. Munroe, I. Njølstad, B. A. Oostra, C. N. A. Palmer, N. L. Pedersen, M. Perola, L. Pérusse, U. Peters, C. Power, T. Quertermous, R. Rauramaa, F. Rivadeneira, T. E. Saaristo, D. Saleheen, J. Sinisalo, P. E. Slagboom, H. Snieder, T. D. Spector, K. Stefansson, M. Stumvoll, J. Tuomilehto, A. G. Uitterlinden, M. Uusitupa, P. van der Harst, G. Veronesi, M. Walker, N. J. Wareham, H. Watkins, H.-E. Wichmann, G. R. Abecasis, T. L. Assimes, S. I. Berndt, M. Boehnke, I. B. Borecki, P. Deloukas, L. Franke, T. M. Frayling, L. C. Groop, D. J. Hunter, R. C. Kaplan, J. R. O'Connell, L. Qi, D. Schlessinger, D. P. Strachan, U. Thorsteinsdottir, C. M. van Duijn, C. J. Willer, P. M. Visscher, J. Yang, J. N. Hirschhorn, M. C. Zillikens, M. I. McCarthy, E. K. Speliotes, K. E. North, C. S. Fox, I. Barroso, P. W. Franks, E. Ingelsson, I. M. Heid, R. J. F. Loos, L. A. Cupples, A. P. Morris, C. M. Lindgren & K. L. Mohlke. **New genetic loci link adipose and insulin biology to body fat distribution.** *Nature* **518**, 187 (2015).
DOI: 10.1038/nature14132 · PMID: 25673412 · PMCID: pmc4338562
- 2 S. M. Willems, D. J. Wright, F. R. Day, K. Trajanoska, P. K. Joshi, J. A. Morris, A. M. Matteini, F. C. Garton, N. Grarup, N. Oskolkov, A. Thalamuthu, M. Mangino, J. Liu, A. Demirkan, M. Lek, L. Xu, G. Wang, C. Oldmeadow, K. J. Gaulton, L. A. Lotta, E. Miyamoto-Mikami, M. A. Rivas, T. White, P.-R. Loh, M. Aadahl, N. Amin, J. R. Attia, K. Austin, B. Benyamin, S. Brage, Y.-C. Cheng, P. Ciężarczyk, W. Derave, K.-F. Eriksson, N. Eynon, A. Linneberg, A. Lucia, M. Massidda, B. D. Mitchell, M. Miyachi, H. Murakami, S. Padmanabhan, A. Pandey, I. Papadimitriou, D. K. Rajpal, C. Sale, T. M. Schnurr, F. Sessa, N. Shrine, M. D. Tobin, I. Varley, L. V. Wain, N. R. Wray, C. M. Lindgren, D. G. MacArthur, D. M. Waterworth, M. I. McCarthy, O. Pedersen, K.-T. Khaw, D. P. Kiel, *GEFOS Any-Type of Fracture Consortium*, Y. Pitsiladis, N. Fuku, P. W. Franks, K. N. North, C. M. van Duijn, K. A. Mather, T. Hansen, O. Hansson, T. Spector, J. M. Murabito, J. B. Richards, F. Rivadeneira, C. Langenberg, J. R. B. Perry, N. J. Wareham & R. A. Scott. **Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness.** *Nat. Commun.* **8**, 16015 (2017).
DOI: 10.1038/ncomms16015 · PMID: 29313844 · PMCID: pmc5510175
- 3 S. M. Zekavat, S. Ruotsalainen, R. E. Handsaker, M. Alver, J. Bloom, T. Poterba, C. Seed, J. Ernst, M. Chaffin, J. Engreitz, G. M. Peloso, A. Manichaikul, C. Yang, K. A. Ryan, M. Fu, W. C. Johnson, M. Tsai, M. Budoff, R. S. Vasan, L. A. Cupples, J. I. Rotter, S. S. Rich, W. Post, B. D. Mitchell, A. Correa, A. Metspalu, J. G. Wilson, V. Salomaa, M. Kellis, M. J. Daly, B. M. Neale, S. McCarroll, I. Surakka, T. Esko, A. Ganna, S. Ripatti, S. Kathiresan & P. Natarajan for the *NHLBI TOPMed Lipids Working Group*. **Deep coverage whole genome sequences and plasma lipoprotein(a) in individuals of European and African ancestries.** *Nat. Commun.* **9**, 2606 (2018).
DOI: 10.1038/s41467-018-04668-w · PMID: 29973585 · PMCID: pmc6031652

Refereed Consortium Articles · Member of Consortia in Italics

- 4 P. Natarajan, G. M. Peloso, S. M. Zekavat, M. Montasser, A. Ganna, M. Chaffin, A. V. Khera, W. Zhou, J. M. Bloom, J. M. Engreitz, J. Ernst, J. R. O'Connell, S. E. Ruotsalainen, M. Alver, A. Manichaikul, W. C. Johnson, J. A. Perry, T. Poterba, C. Seed, I. L. Surakka, T. Esko, S. Ripatti, V. Salomaa, A. Correa, R. S. Vasan, M. Kellis, B. M. Neale, E. S. Lander, G. Abecasis, B. Mitchell, S. S. Rich, J. G. Wilson, L. A. Cupples, J. I. Rotter, C. J. Willer & S. Kathiresan for the *NHLBI TOPMed Lipids Working Group*. **Deep-coverage whole genome sequences and blood lipids among 16,324 individuals.** *Nat. Commun.* **9**, 3391 (2018).
DOI: 10.1038/s41467-018-05747-8 · PMID: 30140000 · PMCID: pmc6107638
- 5 K. Trajanoska, J. A. Morris, L. Oei, H.-F. Zheng, D. M. Evans, D. P. Kiel, C. Ohlsson, B. J. Richards & F. Rivadeneira for the *GEFOS/GENOMOS Consortium* and the 23andMe Research Team. **Assessment of the genetic and clinical determinants of fracture risk: Genome wide association and mendelian randomisation study.** *BMJ* **362**, k3225 (2018).
DOI: 10.1136/bmj.k3225 · PMID: 30158200 · PMCID: pmc6113773
- 6 P. Kachroo; J. Hecker; B. L. Chawes; T. S. Ahluwalia; M. H. Cho; D. Qiao; R. S. Kelly; S. H. Chu; Y. V. Virkud; M. Huang; K. C. Barnes; E. G. Burchard; C. Eng; D. Hu; J. C. Celedón; M. Daya; A. M. Levin; H. Gui; L. K. Williams; E. Forno; A. C. Y. Mak; L. Avila; M. E. Soto-Quiros; M. M. Cloutier; E. Acosta-Pérez; G. Canino; K. Bønnelykke; H. Bisgaard; B. A. Raby; C. Lange; S. T. Weiss; J. A. Lasky-Su; & *National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine (TOPMed) Consortium*. **Whole genome sequencing identifies CRISPLD2 as a lung function gene in children with asthma.** *Chest.* **156**, 1068 (2019).
DOI: 10.1016/j.chest.2019.08.2202 · PMID: 31557467 · PMCID: pmc6904857
- 7 M. D. Kessler; D. P. Loesch; J. A. Perry; N. L. Heard-Costa; D. Taliun; B. E. Cade; H. Wang; M. Daya; J. Ziniti; S. Datta; J. C. Celedón; M. E. Soto-Quiros; L. Avila; S. T. Weiss; K. Barnes; S. S. Redline; R. S. Vasan; A. D. Johnson; R. A. Mathias; R. Hernandez; J. G. Wilson; D. A. Nickerson; G. Abecasis; S. R. Browning; S. Zöllner; J. R. O'Connell; B. D. Mitchell; *National Heart, Lung and Blood Institute Trans-Omics for Precision Medicine (TOPMed) Consortium*; *TOPMed Population Genetics Working Group*; & T. D. O'Connor. **De novo mutations across 1,465 diverse genomes reveal mutational insights and reductions in the Amish founder population.** *Proc. Natl Acad. Sci. U. S. A.* **117**, 2560 (2020).
DOI: 10.1073/pnas.1902766117 · PMID: 31964835 · PMCID: pmc7007577

Refereed Consortium Articles · Member of Consortia in Italics

- 8 X. Li, Z. Li, H. Zhou, S.M. Gaynor, Y. Liu, H. Chen, R. Sun, R. Dey, D.K. Arnett, S. Aslibekyan, C. M. Ballantyne, L. F. Bielak, J. Blangero, E. Boerwinkle, D. W. Bowden, J. G. Broome, M. P. Conomos, A. Correa, L. A. Cupples, J. E. Curran, B. I. Freedman, X. Guo, G. Hindy, M. R. Irvin, S. L. R. Kardia, S. Kathiresan, A. T. Khan, C. L. Kooperberg, C. C. Laurie, X. S. Liu, M. C. Mahaney, A. W. Manichaikul, L. W. Martin, R. A. Mathias, S. T. McGarvey, B. D. Mitchell, M. E. Montasser, J. E. Moore, A. C. Morrison, J. R. O. Connell, N. D. Palmer, A. Pampana, J. M. Peralta, P. A. Peyser, B. M. Psaty, S. Redline, K. M. Rice, S. S. Rich, J. A. Smith, H. K. Tiwari, M. Y. Tsai, R. S. Vasani, F. F. Wang, D. E. Weeks, Z. Weng, J. G. Wilson, L. R. Yanek, *NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium*, TOPMed Lipids Working Group, B. M. Neale, S. R. Sunyaev, G. R. Abecasis, J. I. Rotter, C. J. Willer, G. M. Peloso, P. Natarajan & X. Lin. **Dynamic incorporation of multiple in silico functional annotations empowers rare variant association analysis of large whole-genome sequencing studies at scale.** *Nat. Genet.* **52**, 969 (2020). DOI: 10.1038/s41588-020-0676-4 · PMID: 32839606 · PMCID: pmc7483769
- 9 A. G. Bick, J. S. Weinstock, S. K. Nandakumar, C. P. Fulco, E. L. Bao, S. M. Zekavat, M. D. Szeto, X. Liao, M. J. Leventhal, J. Nasser, K. Chang, C. Laurie, B. B. Burugula, C. J. Gibson, A. E. Lin, M. A. Taub, F. Aguet, K. Ardlie, B. D. Mitchell, K. C. Barnes, A. Moscati, M. Fornage, S. Redline, B. M. Psaty, E. K. Silverman, S. T. Weiss, N. D. Palmer, R. S. Vasani, E. G. Burchard, S. L. R. Kardia, J. He, R. C. Kaplan, N. L. Smith, D. K. Arnett, D. A. Schwartz, A. Correa, M. de Andrade, X. Guo, B. A. Konkle, B. Custer, J. M. Peralta, H. Gui, D. A. Meyers, S. T. McGarvey, I. Y. Chen, M. B. Shoemaker, P. A. Peyser, J. G. Broome, S. M. Gogarten, F. F. Wang, Q. Wong, M. E. Montasser, M. Daya, E. E. Kenny, K. E. North, L. J. Launer, B. E. Cade, J. C. Bis, M. H. Cho, J. Lasky-Su, D. W. Bowden, L. A. Cupples, A. C. Y. Mak, L. C. Becker, J. A. Smith, T. N. Kelly, S. Aslibekyan, S. R. Heckbert, H. K. Tiwari, I. V. Yang, J. A. Heit, S. A. Lubitz, J. M. Johnsen, J. E. Curran, S. E. Wenzel, D. E. Weeks, D. C. Rao, D. Darbar, J. Y. Moon, R. P. Tracy, E. J. Buth, N. Rafaels, R. J. F. Loos, P. Durda, Y. Liu, L. Hou, J. Lee, P. Kachroo, B. I. Freedman, D. Levy, L. F. Bielak, J. E. Hixson, J. S. Floyd, E. A. Whitsel, P. T. Ellinor, M. R. Irvin, T. E. Fingerlin, L. M. Raffield, S. M. Armasu, M. M. Wheeler, E. C. Sabino, J. Blangero, L. K. Williams, B. D. Levy, W. H. Sheu, D. M. Roden, E. Boerwinkle, J. E. Manson, R. A. Mathias, P. Desai, K. D. Taylor, A. D. Johnson, *NHLBI Trans-Omics for Precision Medicine Consortium*, P. L. Auer, C. Kooperberg, C. C. Laurie, T. W. Blackwell, A. V. Smith, H. Zhao, E. Lange, L. Lange, S. S. Rich, J. I. Rotter, J. G. Wilson, P. Scheet, J. O. Kitman, E. S. Lander, J. M. Engreitz, B. L. Ebert, A. P. Reiner, S. Jaiswal, G. Abecasis, V. G. Sankaran, S. Kathiresan & P. Natarajan. **Inherited causes of clonal haematopoiesis in 97,691 whole genomes.** *Nature* **586**, 763 (2020). DOI: 10.1038/s41586-020-2819-2 · PMID: 33057201 · PMCID: pmc7944936
- 10 A. P. Reiner; L. M. Raffield; N. Franceschini; P. L. Auer; E. M. Lange; D. A. Nickerson; N. A. Zaki; A. Correa; N. Olson; & *National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine Consortium*. **Effect of sickle cell trait and APOL1 genotype on the association of soluble uPAR with kidney function measures in Black Americans.** *Clin. J. Am. Soc. Nephrol.* **16**, 287 (2021). DOI: 10.2215/cjn.12100720 · PMID: 33268503 · PMCID: pmc7863645

Refereed Consortium Articles · *Member of Consortia in Italics*

- 11 D. Taliun; D. N. Harris; M. D. Kessler; J. Carlson; Z. A. Szpiech; R. Torres; S. A. G. Taliun; A. Corvelo; S. M. Gogarten; H. M. Kang; A. N. Pitsillides; J. LeFaive; S. B. Lee; X. Tian; B. L. Browning; S. Das; A. K. Emde; W. E. Clarke; D. P. Loesch; A. C. Shetty; T. W. Blackwell; A. V. Smith; Q. Wong; X. Liu; M. P. Conomos; D. M. Bobo; F. Aguet; C. Albert; A. Alonso; K. G. Ardlie; D. E. Arking; S. Aslibekyan; P. L. Auer; J. Barnard; R. G. Barr; L. Barwick; L. C. Becker; R. L. Beer; E. J. Benjamin; L. F. Bielak; J. Blangero; M. Boehnke; D. W. Bowden; J. A. Brody; E. G. Burchard; B. E. Cade; J. F. Casella; B. Chazazan; D. I. Chasman; Y. I. Chen; M. H. Cho; S. H. Choi; M. K. Chung; C. B. Clish; A. Correa; J. E. Curran; B. Custer; D. Darbar; M. Daya; M. de Andrade; D. L. DeMeo; S. K. Dutcher; P. T. Ellinor; L. S. Emery; C. Eng; D. Fatkin; T. Fingerlin; L. Forer; M. Fornage; N. Franceschini; C. Fuchsberger; S. M. Fullerton; S. Germer; M. T. Gladwin; D. J. Gottlieb; X. Guo; M. E. Hall; J. He; N. L. Heard-Costa; S. R. Heckbert; M. R. Irvin; J. M. Johnsen; A. D. Johnson; R. Kaplan; S. L. R. Kardina; T. Kelly; S. Kelly; E. E. Kenny; D. P. Kiel; R. Klemmer; B. A. Konkle; C. Kooperberg; A. Köttgen; L. A. Lange; J. Lasky-Su; D. Levy; X. Lin; K. H. Lin; C. Liu; R. J. F. Loos; L. Garman; R. Gerszten; S. A. Lubitz; K. L. Lunetta; A. C. Y. Mak; A. Manichaikul; A. K. Manning; R. A. Mathias; D. D. McManus; S. T. McGarvey; J. B. Meigs; D. A. Meyers; J. L. Mikulla; M. A. Minear; B. D. Mitchell; S. Mohanty; M. E. Montasser; C. Montgomery; A. C. Morrison; J. M. Murabito; A. Natale; P. Natarajan; S. C. Nelson; K. E. North; J. R. O'Connell; N. D. Palmer; N. Pankratz; G. M. Peloso; P. A. Peyser; J. Pleiness; W. S. Post; B. M. Psaty; D. C. Rao; S. Redline; A. P. Reiner; D. Roden; J. I. Rotter; I. Ruczinski; C. Sarnowski; S. Schoenherr; D. A. Schwartz; J. S. Seo; S. Seshadri; V. A. Sheehan; W. H. Sheu; M. B. Shoemaker; N. L. Smith; J. A. Smith; N. Sotoodehnia; A. M. Stilp; W. Tang; K. D. Taylor; M. Telen; T. A. Thornton; R. P. Tracy; D. J. Van Den Berg; R. S. Vasan; K. A. Viaud-Martinez; S. Vrieze; D. E. Weeks; B. S. Weir; S. T. Weiss; L. C. Weng; C. J. Willer; Y. Zhang; X. Zhao; D. K. Arnett; A. E. Ashley-Koch; K. C. Barnes; E. Boerwinkle; S. Gabriel; R. Gibbs; K. M. Rice; S. S. Rich; E. K. Silverman; P. Qasba; W. Gan; *National Heart, Lung and Blood Institute Trans-Omics for Precision Medicine (TOPMed) Consortium*; G. J. Papanicolaou; D. A. Nickerson; S. R. Browning; M. C. Zody; S. Zöllner; J. G. Wilson; L. A. Cupples; C. C. Laurie; C. E. Jaquish; R. D. Hernandez; T. D. O'Connor; & G. R. Abecasis. **Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program.** *Nature* **590**, 290 (2021).
DOI: 10.1038/s41586-021-03205-y · PMID: 33568819 · PMCID: pmc7875770

Refereed Consortium Articles · Member of Consortia in Italics

- 12 P. Natarajan; A. Pampana; S. E. Graham; S. E. Ruotsalainen; J. A. Perry; P. S. de Vries; J. G. Broome; J. P. Pirruccello; M. C. Honigberg; K. Aragam; B. Wolford; J. A. Brody; L. Antonacci-Fulton; M. Arden; S. Aslibekyan; T. L. Assimes; C. M. Ballantyne; L. F. Bielak; J. C. Bis; B. E. Cade; R. Do; H. Doldapaneni; L. S. Emery; Y. J. Hung; M. R. Irvin; A. T. Khan; L. Lange; J. Lee; R. N. Lemaitre; L. W. Martin; G. Metcalf; M. E. Montasser; J. Y. Moon; D. Muzny; J. R. O'Connell; N. D. Palmer; J. M. Peralta; P. A. Peyser; A. M. Stilp; M. Tsai; F. F. Wang; D. E. Weeks; L. R. Yanek; J. G. Wilson; G. Abecasis; D. K. Arnett; L. C. Becker; J. Blangero; E. Boerwinkle; D. W. Bowden; Y. C. Chang; Y. I. Chen; W. J. Choi; A. Correa; J. E. Curran; M. J. Daly; S. K. Dutcher; P. T. Ellinor; M. Fornage; B. I. Freedman; S. Gabriel; S. Germer; R. A. Gibbs; J. He; K. Hveem; G. P. Jarvik; R. C. Kaplan; S. L. R. Kardia; E. Kenny; R. W. Kim; C. Kooperberg; C. C. Laurie; S. Lee; D. M. Lloyd-Jones; R. J. F. Loos; S. A. Lubitz; R. A. Mathias; K. A. V. Martinez; S. T. McGarvey; B. D. Mitchell; D. A. Nickerson; K. E. North; A. Palotie; C. J. Park; B. M. Psaty; D. C. Rao; S. Redline; A. P. Reiner; D. Seo; J. S. Seo; A. V. Smith; R. P. Tracy; R. S. Vasani; S. Kathiresan; L. A. Cupples; J. I. Rotter; A. C. Morrison; S. S. Rich; S. Ripatti; C. Willer; *NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium*; FinnGen; & G. M. Peloso. **Chromosome Xq23 is associated with lower atherogenic lipid concentrations and favorable cardiometabolic indices.** *Nat. Commun.* **12**, 2182 (2021).
DOI: 10.1038/s41467-021-22339-1 · PMID: 33846329 · PMCID: pmc8042019
- 13 S. Kasela, V. E. Ortega, M. Martorella, S. Garudadri, J. Nguyen, E. Ampleford, A. Pasanen, S. Nerella, K. L. Buschur, I. Z. Barjaktarevic, R. G. Barr, E. R. Bleecker, R. P. Bowler, A. P. Comellas, C. B. Cooper, D. J. Couper, G. J. Criner, J. L. Curtis, M. K. Han, N. N. Hansel, E. A. Hoffman, R. J. Kaner, J. A. Krishnan, F. J. Martinez, M. N. McDonald, D. A. Meyers, R. Paine 3rd, S. P. Peters, M. Castro, L. C. Denlinger, S. C. Erzurum, J. V. Fahy, E. Israel, N. N. Jarjour, B. D. Levy, X. Li, W. C. Moore, S. E. Wenzel, J. Zein, *NHLBI SubPopulations and Intermediate Outcome Measures In COPD Study (SPIROMICS)*, *NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium*, C. Langelier, P. G. Woodruff, T. Lappalainen & S. A. Christenson. **Genetic and non-genetic factors affecting the expression of COVID-19-relevant genes in the large airway epithelium.** *Genome Med.* **13**, 66 (2021).
DOI: 10.1186/s13073-021-00866-2 · PMID: 33883027 · PMCID: pmc8059115
- 14 T. Sofer, X. Zheng, C. A. Laurie, S. M. Gogarten, J. A. Brody, M. P. Conomos, J. C. Bis, T. A. Thornton, A. Szpiro, J. R. O'Connell, E. M. Lange, Y. Gao, L. A. Cupples, B. M. Psaty, *NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium* & K. M. Rice. **Variant-specific inflation factors for assessing population stratification at the phenotypic variance level.** *Nat. Commun.* **12**, 3506 (2021).
DOI: 10.1038/s41467-021-23655-2 · PMID: 34108454 · PMCID: pmc8190158
- 15 A. R. Keramati, M. H. Chen, B. A. T. Rodriguez, L. R. Yanek, A. Bhan, B. J. Gaynor, K. Ryan, J. A. Brody, X. Zhong, Q. Wei, *NHLBI Trans-Omics for Precision (TOPMed) Consortium*, K. Kammerers, K. Kanchan, K. Iyer, M. H. Kowalski, A. N. Pitsillides, L. A. Cupples, B. Li, T. M. Schlaeger, A. R. Shuldiner, J. R. O'Connell, I. Ruczinski, B. D. Mitchell, N. Faraday, M. A. Taub, L. C. Becker, J. P. Lewis, R. A. Mathias & A. D. Johnson. **Genome sequencing unveils a regulatory landscape of platelet reactivity.** *Nat. Commun.* **12**, 3626 (2021).
DOI: 10.1038/s41467-021-23470-9 · PMID: 34131117 · PMCID: pmc8206369

Refereed Consortium Articles · Member of Consortia in Italics

- 16 K. A. Anie, E. Olayemi, V. Paintsil, E. Owusu-Dabo, T. A. Adeyemo, M. U. Sani, N. A. Galadanci, O. Nnodu, F. Tluway, D. N. Adjei, P. Mensah, J. Sarfo-Antwi, H. Nwokobia, A. Gambo, A. Benjamin, A. Salim, J. A. Osa-Larbi & S. F. Ofori-Acquah with the *SickleGenAfrica Network*. **Sickle Cell Disease Genomics of Africa (SickleGenAfrica) Network: ethical framework and initial qualitative findings from community engagement in Ghana, Nigeria and Tanzania.** *BMJ Open* **11**, e048208 (2021).
DOI: 10.1136/bmjopen-2020-048208 · PMID: 34301659 · PMCID: pmc8311318
- 17 B. E. Cade, J. Lee, T. Sofer, H. Wang, M. Zhang, H. Chen, S. A. Gharib, D. J. Gottlieb, X. Guo, J. M. Lane, J. Liang, X. Lin, H. Mei, S. R. Patel, S. M. Purcell, R. Saxena, N. A. Shah, D. S. Evans, C. L. Hanis, D. R. Hillman, S. Mukherjee, L. J. Palmer, K. L. Stone, G. J. Tranah, *NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium*, G. R. Abecasis, E. A. Boerwinkle, A. Correa, L. A. Cupples, R. C. Kaplan, D. A. Nickerson, K. E. North, B. M. Psaty, J. I. Rotter, S. S. Rich, R. P. Tracy, R. S. Vasani, J. G. Wilson, X. Zhu & S. Redline for the TOPMed Sleep Working Group. **Whole-genome association analyses of sleep-disordered breathing phenotypes in the NHLBI TOPMed program.** *Genome Med.* **13**, 136 (2021).
DOI: 10.1186/s13073-021-00917-8 · PMID: 34446064 · PMCID: pmc8394596
- 18 Y. Luo, M. Kanai, W. Choi, X. Li, S. Sakaue, K. Yamamoto, K. Ogawa, M. Gutierrez-Arcelus, P. K. Gregersen, P. E. Stuart, J. T. Elder, L. Forer, S. Schönherr, C. Fuchsberger, A. V. Smith, J. Fellay, M. Carrington, D. W. Haas, X. Guo, N. D. Palmer, Y.-D. I. Chen, J. I. Rotter, K. D. Taylor, S. S. Rich, A. Correa, J. G. Wilson, S. Kathiresan, M. H. Cho, A. Metspalu, T. Esko, Y. Okada, B. Han, *NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium*, P. J. McLaren & S. Raychaudhuri. **A high-resolution HLA reference panel capturing global population diversity enables multi-ancestry fine-mapping in HIV host response.** *Nat. Genet.* **53**, 1504 (2021).
DOI: 10.1038/s41588-021-00979-9 · PMID: 34728834 · PMCID: pmc8978071
- 19 P. Wainschtein, D. Jain, Z. Zheng, TOPMed Anthropometry Working Group, *NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium*, L. A. Cupples, A. H. Shadyab, B. McKnight, B. M. Shoemaker, B. D. Mitchell, B. M. Psaty, C. Kooperberg, C. T. Liu, C. M. Albert, D. Roden, D. I. Chasman, D. Darbar, D. M. Lloyd-Jones, D. K. Arnett, E. A. Regan, E. Boerwinkle, J. I. Rotter, J. R. O'Connell, L. R. Yanek, M. de Andrade, M. A. Allison, M. N. McDonald, M. K. Chung, M. Fornage, N. Chami, N. L. Smith, P. T. Ellinor, R. S. Vasani, R. A. Mathias, R. J. F. Loos, S. S. Rich, S. A. Lubitz, S. R. Heckbert, S. Redline, X. Guo, Y.-I. Chen, C. A. Laurie, R. D. Hernandez, S. T. McGarvey, M. E. Goddard, C. C. Laurie, K. E. North, L. A. Lange, B. S. Weir, L. Yengo, J. Yang & P. M. Visscher. **Assessing the contribution of rare variants to complex trait heritability from whole-genome sequence data.** *Nat. Genet.* **54**, 263 (2022).
DOI: 10.1038/s41588-021-00997-7 · PMID: 35256806

Refereed Consortium Articles · *Member of Consortia in Italics*

- 20 D. H. Katz; U. A. Tahir; A. G. Bick; A. Pampana; D. Ngo; M. D. Benson; Z. Yu; J. M. Robbins; Z. Z. Chen; D. E. Cruz; S. Deng; L. Farrell; S. Sinha; A. A. Schmaier; D. Shen; Y. Gao; M. E. Hall; A. Correa; R. P. Tracy; P. Durda; K. D. Taylor; Y. Liu; W. C. Johnson; X. Guo; J. Yao; Y. D. I. Chen; A. W. Manichaikul; D. Jain; C. Bouchard; M. A. Sarzynski; S. S. Rich; J. I. Rotter; T. J. Wang; J. G. Wilson; P. Natarajan; R. E. Gerszten; & *National Heart, Lung, and Blood Institute TOPMed (Trans-Omics for Precision Medicine) Consortium*. **Whole genome sequence analysis of the plasma proteome in Black adults provides novel insights into cardiovascular disease.** *Circulation* **145**, 357 (2022). DOI: 10.1161/circulationaha.121.055117 · PMID: 34814699

Published Abstracts

- 1 A. Ozturk, P. P. Desai, **Minster RL**, T. Scott, C. M. Kammerer, DeKosky ST & Kamboh MI. **Alpha-1-antichymotrypsin (ACT or SERPINA3) polymorphism may affect age-at-onset and disease duration of Alzheimer's disease.** Poster presented at the 9th International Conference on Alzheimer's Disease and Related Disorders (Alzheimer's Association), Philadelphia, Pennsylvania, 21 July 2004.
- 2 **Minster RL**, P. P. Desai, A. Öztürk, Q. Chen, M. Ganguli, R. D. Nebes, C. F. Reynolds 3rd, DeKosky ST & Kamboh MI. **Association of the APOE promoter polymorphism may affect age-at-onset and disease duration of Alzheimer's disease.** Poster presented at the 9th International Conference on Alzheimer's Disease and Related Disorders (Alzheimer's Association), Philadelphia, Pennsylvania, 21 July 2004.
- 3 **Minster RL**, DeKosky ST & Kamboh MI. **Association of ubiquilin 1 (UBQLN1) SNPs with late-onset Alzheimer's disease in a large case-control sample.** Poster presented at the 55th Annual Meeting of the American Society of Human Genetics, Salt Lake City, Utah, 25 October 2005.
- 4 B. I. Omalu, J. L. Lindner, DeKosky ST, R. L. Hamilton, **Minster RL**, Kamboh MI & A. M. Shakir. **A comparison of chronic traumatic encephalopathy in two National Football League players.** Poster presented at the XVIth Congress of the International Society of Neuropathology, San Francisco, California, September 2006.
- 5 **Minster RL**, DeKosky ST & Kamboh MI. **Lack of association of two SNPs on chromosome 10 (rs498055 and rs4417206) with Alzheimer's disease.** Poster presented at the 56th Annual Meeting of the American Society of Human Genetics, New Orleans, Louisiana, 10 October 2006.
- 6 S. Dasgupta, F. Y. Demirci, **Minster RL**, M. Kenney, P. Shaw, A. Kao, C. Kammerer, F. Bontempo, S. Manzi & Kamboh MI. **Association of PON2 variants with PON activity in systemic lupus erythematosus (SLE).** Poster presented at the 56th Annual Meeting of the American Society of Human Genetics, New Orleans, Louisiana, 10 October 2006.
- 7 S. Suresh, **Minster RL**, F. Y. Demirci, M. Kenney, P. Shaw, A. Kao, C. Kammerer, F. Bontempo, S. Manzi & Kamboh MI. **Effect of APOH promoter SNPs on gene expression and plasma levels of APOH.** Poster presented at the 56th Annual Meeting of the American Society of Human Genetics, New Orleans, Louisiana, 11 October 2006.

Published Abstracts

- 8 F. Y. Demirci, S. Manzi, R. Ramsey-Goldman, **Minster RL**, M. Kenney, P. S. Shaw, C. M. Dunlop-Thomas, A. H. Kao, F. Bontempo, C. Kammerer & Kamboh MI. **Association of a common interferon regulatory factor 5 (IRF5) polymorphism with increased risk of systemic lupus erythematosus (SLE)**. Poster presented at the 56th Annual Meeting of the American Society of Human Genetics, New Orleans, Louisiana, 12 October 2006.
- 9 J. A. Figgins, DeKosky ST, **Minster RL** & Kamboh MI. **No association of selected SNPs in GALP, PCK1, SERPINA13 or TNK1 with Alzheimer's disease**. Poster presented at the 57th Annual Meeting of the American Society of Human Genetics, San Diego, California, 23 October 2007.
- 10 **Minster RL**, DeKosky ST & Kamboh MI. **No association of SORL1 SNPs with Alzheimer's disease**. Poster presented at the 57th Annual Meeting of the American Society of Human Genetics, San Diego, California, 25 October 2007.
- 11 J. A. Figgins, **Minster RL**, F. Y. Demirci, DeKosky ST & Kamboh MI. **Association studies of 22 candidate SNPs with late-onset Alzheimer's disease**. Poster presented at the 58th Annual Meeting of the American Society of Human Genetics, Philadelphia, Pennsylvania, 14 November 2008.
- 12 L. C. Burns, **Minster RL**, F. Y. K. Demirci, DeKosky ST & Kamboh MI. **Association studies of 12 candidate SNPs with late-onset Alzheimer's disease**. Poster presented at the 59th Annual Meeting of the American Society of Human Genetics, Honolulu, Hawai'i, 22 October 2009.
- 13 K. Estrada, G. Porleifsson, E. Evangelou, D. L. Koller, J. B. Richards, L. M. Yerges-Armstrong, L. Vandenput, N. Amin, N. Glazer, O. Albagha, **Minster RL**, S. Kaptoge, S. Xiao, Y.-H. Hsu, A. Uitterlinden, A. Kung, C. M. Kammerer, C. Ohlsson, C. M. van Duijn, D. Evans, D. Karasik, D. P. Kiel, E. Streeten, E. Duncan, J. Cauley, J. Wilson, J. Robbins, J. Reeve, M. C. Zillikens, M. Brown, M. Lorentzon, M. J. Eacons, M. Peacock, P. C. Sham, S. Ralston, T. B. Harris, T. D. Spector, U. Þorsteinsdóttir, Y. Liu, J. Ioannidis, U. Styrkársdóttir & F. Rivadeneira for the GEFOS and AOGC Consortia. **Meta-analysis of genome-wide association studies identify 34 loci that regulate BMD with evidence of both site specific and generalized effects**. Oral presentation at the 2010 Annual Meeting of the American Society for Bone and Mineral Research, Toronto, Ontario, 18 October 2010.
- 14 K. Estrada, E. Evangelou, Y.-H. Hsu, U. Styrkársdóttir, C.-T. Liu, A. Moayyeri, S. Kaptoge, E. Duncan, N. Amin, D. Kiel, D. Karasik, O. Albagha, M. Brown, C. M. Kammerer, M. C. Zillikens, C. Ohlsson, G. Porleifsson, J. Reeve, L. Vandenput, **Minster RL**, A. G. Uitterlinden, L. M. Yerges-Armstrong, J. B. Richards, N. Glazer, A. Kung, D. Koller, K. Stefansson, J. Ioannidis, S. Ralston & F. Rivadeneira for the for the GEFOS and AOGC Consortia. **Meta-analysis of genome-wide association studies for bone-mineral-density (BMD) identifies 34 loci regulating BMD and a novel locus for fracture risk**. Platform presentation at the 60th Annual Meeting of the American Society of Human Genetics, Washington, District of Columbia, 5 November 2010.

Published Abstracts

- 15 K. Estrada, E. Evangelou, Y.-H. Hsu, U. Styrkársdóttir, C.-T. Liu, A. Moayyeri, S. Kaptoge, E. Duncan, N. Amin, D. P. Kiel, D. Karasik, O. M. Albagha, M. Brown, T. D. Spector, M. C. Zillikens, C. Ohlsson, G. Porleifsson, J. Reeve, L. Vandenput, U. Pettersson, T. O'Neill, J. A. Riancho, O. Ljunggren, F. Rousseau, W. D. Leslie, B. Obermayer-Pietsch, N. Alonso, B. Langdahl, X. Nogués, R. Prince, P. Lips, S. Cheng, J. Marc, P. Kollia, M. L. Brandi, L. Hocking, E. Khusnutdina, C. Cooper, T. Lehtimäki, R. Jackson, J.-M. Koh, **Minster RL**, L. M. Yerges-Armstrong, J. B. Richards, N. Glazer, A. Kung, D. Koller, D. Evans, J. Ioannidis, S. H. Ralston, A. G. Uitterlinden & F. Rivadeneira for the AOGC, GEFOS and GENOMOS Consortia. **Association analyses of 47,500 individuals identifies six fracture loci and 82 BMD loci clustering in biological pathways that regulate osteoblast and osteoclast activity.** Oral presentation at the 3rd Joint Meeting of the European Calcified Tissue Society and the International Bone and Mineral Society, Athens, Greece, 9 May 2011.
- 16 K. Estrada, E. Evangelou, Y.-H. Hsu, U. Styrkársdóttir, C.-T. Liu, A. Moayyeri, S. Kaptoge, E. Duncan, N. Amin, D. P. Kiel, D. Karasik, O. M. Albagha, M. Brown, T. D. Spector, M. C. Zillikens, C. Ohlsson, G. Porleifsson, J. Reeve, L. Vandenput, U. Pettersson, T. O'Neill, J. A. Riancho, O. Ljunggren, F. Rousseau, W. D. Leslie, B. Obermayer-Pietsch, N. Alonso, B. Langdahl, X. Nogués, R. Prince, P. Lips, S. Cheng, J. Marc, P. Kollia, M. L. Brandi, L. Hocking, E. Khusnutdina, C. Cooper, T. Lehtimäki, R. Jackson, J.-M. Koh, **Minster RL**, L. M. Yerges-Armstrong, J. B. Richards, N. Glazer, A. Kung, D. Koller, D. Evans, J. Ioannidis, S. H. Ralston, A. G. Uitterlinden & F. Rivadeneira for the AOGC, GEFOS and GENOMOS Consortia. **Novel genetic factors and biological pathways influencing BMD and risk of fracture.** Poster presentation at the 2011 Annual Meeting of the American Society for Bone and Mineral Research, San Diego, California, 16–17 September 2011.
- 17 L. Oei, H. Zheng, E. E. Ntzani, K. Estrada, P. M. Ridker, M. Garcia, Y.-H. Hsu, T. Lehtimäki, S. Trompet, S. K. Kaptoge, S. G. Wilson, Y. Liu, J. Eriksson, N. Amin, A. W. C. Kung, K. Tsilidis, C. Medina-Gómez, L. M. Rose, A. Vernon-Smith, C.-T. Liu, J. Viikari, A. Moayyeri, **Minster RL**, M. Lorentzon, S.-M. Xiao, N. J. Wareham, V. Aalto, T. Aspelund, W. D. Leslie, D. Goltzman, S. R. Cummings, L. A. Cupples, E. Evangelou, K.-T. Khaw, R. Luben, O. Raitakari, K. Siggeirsdóttir, C. M. van Duijn, J. A. Cauley, D. Karasik, P. C. Sham, M. C. Zillikens, C. Ohlsson, T. B. Harris, T. D. Spector, J. Reeve, J. W. Jukema, J. Ioannidis, M. Kahonen, D. P. Kiel, V. Gudnason, A. Uitterlinden, D. I. Chasman, J. B. Richards & F. Rivadeneira. **Large-scale meta-analyses of genome-wide association studies for fracture risk: the GEFOS Consortium.** Oral presentation at the 2011 Annual Meeting of the American Society for Bone and Mineral Research, San Diego, California, 18 September 2011.
- 18 C.-T. Liu, Y.-H. Hsu, K. Estrada, E. Evangelou, Y.-H. Zhou, L. M. Yerges-Armstrong, N. Amin, N. Glazer, **Minster RL**, G. Porleifsson, J. A. Cauley, C. M. van Duijn, T. B. Harris, J. Ioannidis, Y. Liu, B. D. Mitchell, J. R. O'Connell, J. Robbins, E. A. Streeten, U. Styrkársdóttir, A. Uitterlinden, M. C. Zillikens, F. Rivadeneira, D. Karasik, L. A. Cupples & D. P. Kiel for the GEFOS Consortium. **Assessment of gene-by-sex interaction effect on bone mineral density.** Poster presentation at the 2011 Annual Meeting of the American Society for Bone and Mineral Research, San Diego, California, 18 September 2011.

Published Abstracts

- 19 M. M. Barmada, F. Y. Demirci, **Minster RL**, M. M. Carrasquillo, V. S. Pankratz, S. G. Younkin, A. J. Saykin, R. A. Sweet, E. Feingold, DeKosky ST, O. L. Lopez & M. I. Kamboh. **Genome-wide association analysis of age-at-onset in Alzheimer's disease**. Poster presentation at the 12th International Congress of Human Genetics and the 61st Annual Meeting of the American Society of Human Genetics, Montréal, Québec, 12 October 2011.
- 20 H. L. Oei, H.-F. Zheng, E. Ntzani, K. Estrada, P. M. Ridker, M. Garcia, Y.-H. Hsu, T. Lehtimäki, S. Trompet, S. Kaptoge, S. Wilson, Y. Liu, J. Eriksson, A. Kung, A. Vernon-Smith, C.-T. Liu, J. Viikari, **Minster RL**, N. Wareham, V. Aalto, S. R. Cummings, K.-T. Khaw, J. A. Cauley, P. C. Sham, T. D. Spector, J. Ioannidis, D. P. Kiel, D. I. Chasman, J. B. Richards & F. Rivadeneira. **Large-scale meta-analysis of genome-wide association studies (GWAS) for fracture risk: the GEFOS Consortium**. Poster presentation at the 12th International Congress of Human Genetics and the 61st Annual Meeting of the American Society of Human Genetics, Montréal, Québec, 12 October 2011.
- 21 **Minster RL**, A. L. Kuipers, C. M. Kammerer, A. L. Patrick, V. W. Wheeler & J. M. Zmuda. **Pleiotropic relationships among measures of body composition in Afro-Caribbeans from Tobago**. Poster presentation at the 12th International Congress of Human Genetics and the 61st Annual Meeting of the American Society of Human Genetics, Montréal, Québec, 13 October 2011.
- 22 L. Oei, H.-F. Zheng, E. Ntzani, C. M. Nielson, K. Estrada, U. Styrkársdóttir, P. Ridker, Y.-H. Hsu, M. Garcia, A. Aragaki, E. L. Duncan, A. Enneman, T. Lehtimäki, T. Esko, S. Trompet, S. K. Kaptoge, J. Eriksson, N. Amin, A. W. C. Kung, C. Medina-Gomez, E. Evangelou, K. Tsilidis, G. Thorleifsson, L. Rose, J. M. Zmuda, C.-T. Liu, A. Vernon-Smith, P. Srikanth, S. Wilson, G. Clark, J. Viikari, E. Mikhailov, A. Moayyeri, G. Li, C. M. Kammerer, M. Lorentzon, N. Rivera, S. Xiao, J. Yang, D. Karasik, K. Siggeirsdóttir, E. Oei, K. Stefansson, V. Aalto, D. Willner, N. Wareham, **Minster RL**, J. Bis, C. van Duijn, L. A. Cupples, T. Aspelund, O. Raitakari, P. Leo, K.-T. Khaw, J. A. Robbins, Y. Liu, S. Breda, R. Luben, J. A. Cauley, A. Arnold, L. Stolk, J. B. J. Van Meurs, P. Sham, M. C. Zillikens, C. Ohlsson, B. Psaty, T. Harris, J. Reeve, A. Metspalu, M. Kahonen, N. van der Velde, M. Brown, V. G. Gudnason, J. Ioannidis, A. G. Uitterlinden, S. R. Cummings, T. D. Spector, D. P. Kiel, R. D. Jackson, D. Chasman, E. S. Orwoll, B. Richards & F. Rivadeneira. **Fracture GWAS in the GEFOS Consortium discovers new loci related to hormonal and neurological pathways**. Poster presentation at the 2012 Annual Meeting of the American Society for Bone and Mineral Research, Minneapolis, Minnesota, 13 October 2012.
- 23 J. L. Sanders, J. Singh, **Minster RL**, C. M. Kammerer, M. M. Barmada, E. W. Daw, R. Costa, N. Schupf, J. Walston & A. B. Newman. **Heritability and linkage analysis of the Scale of Aging Vigor in Epidemiology (SAVE) in the Long Life Family Study**. Poster presentation at the 62nd Annual Meeting of the American Society of Human Genetics, San Francisco, California, 7 November 2012.
- 24 J. Singh, **Minster RL**, 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.

Published Abstracts

- 25 **Minster RL**, 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. Styrkárssdóttir, 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, **Minster RL**, 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, **Minster RL**, 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 **Minster RL**, 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.

Published Abstracts

- 29 O. D. Buhule, N. L. Hawley, M. Medvedovic, **Minster RL**, 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 **Minster RL**, 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. Lyttikäinen, 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. Wallaschowski, 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, **Minster RL**, 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. Arbeeve, 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.

Published Abstracts

- 37 C.-T. Su, **Minster RL**, 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 **Minster RL**, 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, **Minster RL**, 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 & **Minster RL.** **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, **Minster RL**, 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, **Minster RL**, 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 & **Minster RL.** **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, **Minster RL**, 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.

Published Abstracts

- 45 A. L. Kuipers, E. J. M. Barinas-Mitchell, **Minster RL**, 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 & **Minster RL**. **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 & **Minster RL**. **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, **Minster RL**, 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, **Minster RL**, 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, **Minster RL**, 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 & **Minster RL** with the TOPMed Diabetes Working Group. **Genome-wide association study of type 2 diabetes phenotypes in Sāmoans.** 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, **Minster RL**, L. Wang, L. Christiansen, 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.

Published Abstracts

- 53 J. C. Carlson, N. L. Hawley, G. Sun, H. Cheng, T. Naseri, M. S. Reupena, R. Deka, S. T. McGarvey, **Minster RL** & 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 **Minster RL**, 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, **Minster RL**, 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, **Minster RL**, 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, **Minster RL**, 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 & **Minster RL**. **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, **Minster RL**, 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, **Minster RL**, 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.

Published Abstracts

- 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 & **Minster RL** 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 & **Minster RL** 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 & **Minster RL** 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, **Minster RL** & 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. Vitali, J. Tuitele, R. Deka, S. T. McGarvey, **Minster RL** & 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, **Minster RL**, 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 & **Minster RL** 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.

Published Abstracts

- 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, **Minster RL** & 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, **Minster RL**, 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 & **Minster RL** 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 **Minster RL**, 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, **Minster RL** & 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, **Minster RL**, 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, **Minster RL** & D. E. Weeks. **Genetic variation in/near LIPC and APOA1 is associated with longitudinal change in serum lipid levels in Samoan adults.** Poster presentation at the 71th Annual Meeting of the American Society of Human Genetics, Virtual Meeting, 18–22 October 2021.
- 75 **Minster RL**, R. A. Sherlala, R. K. Cvejkus, H. Campbell Heuerman, A. L. Kuipers, M. K. Wojczynski, B. Thyagarajan, S. V. Ukraintseva, M. F. Feitosa, J. Mengel-From & J. M. Zmuda. **Genetic variants associated with serum IGF-1 levels in the Long Life Family Study.** Submitted for poster presentation at the 72nd Annual Meeting of the American Society of Human Genetics, Los Angeles, California, 25–29 October 2022.

Published Abstracts

- 76 J. C. Carlson, M. Krishnan, S. Liu, S. L. Rosenthal, N. L. Hawley, H. Cheng, T. Naseri, M. S. Reupena, S. Viali, R. Deka, S. T. McGarvey, **Minster RL** & D. E. Weeks. **Portability of a multiethnic polygenic risk score for low-density lipoprotein cholesterol in a Samoan population.** Submitted for poster presentation at the 72nd Annual Meeting of the American Society of Human Genetics, Los Angeles, California, 25–29 October 2022.
- 77 J. M. Wehr, J. C. Carlson, E. M. Russell, M. Krishnan, S. Liu, H. Cheng, T. Naseri, M. S. Reupena, S. Viali, J. Tuitele, E. E. Kershaw, R. Deka, N. L. Hawley, S. T. McGarvey, D. E. Weeks & **Minster RL.** **Genome-wide association studies of metabolic traits in Samoans.** Submitted for poster presentation at the 72nd Annual Meeting of the American Society of Human Genetics, Los Angeles, California, 25–29 October 2022.

SERVICE — UNIVERSITY & PROFESSIONALLY RELATED SERVICE

University of Pittsburgh (1998–)

<i>Dates</i>	<i>Committee or Activity</i>	<i>Position</i>
2017–2018	Associate Vice Provost for Faculty Diversity Chairs Committee	Member, seated as Co-Chair of Public Health Faculty Diversity Committee
2017	Competitive Medical Research Fund Grant Center for Research, Health Sciences	Reviewer

Graduate School of Public Health (1998–2001, 2003–2022) / School of Public Health (2022–)

<i>Dates</i>	<i>Committee or Activity</i>	<i>Position</i>
2011–2014	Core Curriculum Committee	Member
2013–	Dean’s Day Competition	Faculty Judge
2013–	Research in Progress Seminar Series	Mentor
2014–2018	Program Committee Master of Public Health Program	Member
2014–2018	Faculty Diversity Committee	Dept of Human Genetics Representative
2016–2017	Pitt Public Health Magazine Review Committee	Faculty Diversity Committee Representative
2016–2018	Faculty Diversity Committee	Co-Chair
2016–2018	School Council	Voting Member, seated as Co-Chair of Faculty Diversity Committee
2017	Panel: “Health Equity through Action on the Social Determinants of Health” Center for Health Equity	Moderator
2017	Global Health Advisory Committee	Member
2018–2021	Council	Voting Member, seated as FSEC Officer
2018–2019	Faculty Senate Executive Committee	President-Elect
2019–2020	Faculty Senate Executive Committee	President
2020–2021	Faculty Senate Executive Committee	Immediate Past President
2019–2020	Alumni Awards Committee	Member
2021–	Educational Policy & Curriculum Committee	Dept of Human Genetics Representative

Department of Human Genetics (1998–2001, 2003–)

<i>Dates</i>	<i>Committee or Activity</i>	<i>Position</i>
2007	Strategic Planning Committee	Member
2011–	Department Retreat Poster Session	Coordinator
2011–	Journal Club	Mentor
2015–	Department Retreat	Director
2018	Genetic Counseling Program Thesis Review / Reaccreditation Committee	Member
2018–	Facility Committee	Member
2018–	Communication & Events Committee	Member
2018–	Computing Resources Committee	Member
2019–	Curriculum Committee	Member
2019–	Admissions Committee Master of Science in Genome Bioinformatics	Member
2019–	M.S. Genome Bioinformatics	Program Director
2020–	C.C & Clara Li Endowed Scholarship Award Committee	Member
2020	Research Assistant Professor Search Committee	Member
2022–	Admissions Committee Master of Public Health	Member
2022	Assistant/Associate Professor Search Committee	Member

Consortium Committees & Working Groups

<i>Date</i>	<i>Position</i>	<i>Organization & 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
2021–	Diabetes Working Group	NHLBI Trans-Omics in Precision Medicine Program

Manuscript & Other Document / Publication Review

Dates Journal Title

2011– *JAMA*

2015– *BMC Med. Genet.*

2016– *Eur. J. Clin. Nutr.*

2018– *Ann. Hum. Biol.*

2019– *Diabetologia*

2021– *Front. Genet.*

2021– *BMC Med. Res. Methodol.*

Study Sections, Review Panels & Advisory Boards

Date Position Organization & Nature of Activity

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

Dates Position Type of Service and/or Agency

2011, 2013– Reviewer DNA Day Essay Contest
American Society of Human Genetics

2017–2020 Inspector Primary & General Elections
Collier Township District 6

2019 Judge of Elections Special Election
Collier Township District 6

2019–2020 Trainer Conflict Resolution
National Health Corps Pittsburgh

2020– Minority Inspector Primary & General Elections
Scott Township Ward 6 District 1

SERVICE — PUBLIC & COMMUNITY-RELATED SERVICE

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, 2017–2020	Assistant Instructor Fall & Spring Jūdō Classes	University of Pittsburgh	Volunteer
2004–2005	Treasurer, Board of Directors	Blankspace 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
2007	Colony Advisor Grove City College	ΚΚΨ <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

<i>Dates</i>	<i>Position</i>	<i>Organization</i>	<i>Type of Service</i>
2014–2015	Chair, Jūshoku Search Committee	Zen Center of Pittsburgh	Volunteer
2017–	Certified National Coach	USA Judo	Volunteer