BENJAMIN F. VOIGHT
CURRICULUM VITAE

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CV last updated: January 2026

EMPLOYMENT HISTORY

2025–Present	Full Professor (with tenure) Department of Systems Pharmacology and Translational Therapeutics Department of Genetics University of Philadelphia - Perelman School of Medicine Philadelphia, PA
2025–Present	Researcher Health Science Specialist (1/8^{ths} appointment) Corporal Michael J. Crescenz Department of Veteran Affairs Philadelphia, PA
2017–2025	Associate Professor (with tenure) Department of Systems Pharmacology and Translational Therapeutics Department of Genetics University of Philadelphia - Perelman School of Medicine Philadelphia, PA
2017–2025	Health Science Researcher (without compensation, WOC) Corporal Michael J. Crescenz Department of Veteran Affairs Philadelphia, PA
2012–2017	Assistant Professor, Department of Genetics University of Philadelphia - Perelman School of Medicine
2011–2017	Assistant Professor, Department of Systems Pharmacology and Translational Therapeutics, University of Pennsylvania
2006–2011	Postdoctoral Research Fellow (2006-2009) Research Scientist (2009-2011)

Advised by Drs. Mark Daly and David Altshuler
Massachusetts General Hospital and
The Broad Institute of Harvard and MIT, Cambridge, MA

EDUCATION

2006 Ph.D., Advised by Drs. Jonathan Pritchard and Nancy Cox
Human Genetics, University of Chicago

1999-2001 B.S. in Biology and B.A. Mathematics
University of Washington, Seattle

1997-1999 Gonzaga University, Spokane, WA

CURRENT RESEARCH SUPPORT

As PI:

2025-2030 R01 DK140340: *"Mapping the gene regulatory architecture of pancreatic islet-specific cell types to diabetes"* (MPIs: **B. Voight (contact)**, K. Gaulton)
Objective: To integrate single-cell data obtained from pancreatic islets to map regulatory variation in this tissue and define how gene dysregulation underlies susceptibility to diabetes.

2026-2030 I01 BX007140: *"Honing Precision Medicine for Type 2 diabetes in the Veteran Population"* (PIs: **B. Voight (contact)**)
Objective: To integrate genetic and non-genetic data sources to identify veterans at high risk for type 2 diabetes and its complications to generate leads for therapies and understanding of basic mechanisms.
Expected Start Date: 04/01/2026; comes with +5/8ths effort at VA.

2025-2030 P30 ES013508: *Environmental Health Informatics Core* (PI: **B. Voight**)
Objective: To provide bioinformatic and health informatics analytic support for projects and core members at the Center for Environmental Toxicology (CEET; contact PI: T. Penning)

2024-2029 U24 DK138512: *"An interactive resource to generate and provide integrated knowledge of the human pancreas"* (MPIs: K. Gaulton, **B. Voight**, J. Flannick, N. Burtt, A. Gloyn)
Objective: The proposed project will create 'PanKBase': a database for the pancreas of high-value summary data, an analytical library of tools to extract knowledge from data, resources using statistical modeling and machine learning, an open science platform enabling all users to perform analyses and access data, and a robust engagement and outreach program.

2025-2026 Innovative and Novel Computational Impact on Theory and Experiment (INCITE). (MPIs: A. Verma, J. Huffman, R. Madduri, **B. Voight**, S. Damrauer, A. Rodriguez).
Objective: This grant awards 500,000 node compute hours on the Frontier Supercomputer (Oak Ridge National Laboratory) to perform large-scale genome-wide analysis across the phenomes of participants from the Million Veteran Program.

Additional:

2023–2028 VA BX006159: "*Leveraging the genetics of carotid stenosis for identifying novel risk factors and therapeutic opportunities"* (PI: S. Damrauer). Role: Co-I.
Objective: Use human genetics data to identify and characterize causal risk factors underlying carotid stenosis.

2016–2026 UL1 TR001878: Institutional Clinical and Translational Science Award. Role: Key personnel.
Objective: This provides modest support for my training role as Associate Director for the Bioinformatics concentration in the Masters in Translational Research program. In this role, I serve as a bioinformatics mentor for clinicians who aim to develop bioinformatics training towards developing independence as translational researchers.

2021–2027 T01 BX003362: "*Genetics of Cardiometabolic Diseases in the VA Population*." (PI: P. Tsao, K-M. Chang). Role: Co-I
Objective: Using human genetics data from the Million Veteran Program to identify and characterize risk factors for complex metabolic disease, including type 2 diabetes, cardiovascular disease, and liver disease.

2020–2026(NCE) UM1 DK126194: *"Functional interrogation of T2D-associated genes in human stem-cell derived models and mice*" (MPIs: P. Seale, **B. Voight**, D. Rader, S. Grant, K. Kaestner, W. Yang)
Objective: Using human genetics data and computational prioritization tools, identify and functionally validate candidate genes underlying susceptibility to type 2 diabetes.

COMPLETED SUPPORT

As PI:

2022–2023 Institute of Translational Medicine and Therapeutics Pilot Grant. *"Interplay of obesity and volumetric breast density with respect to breast cancer risk"* (PIs: A.M. McCarthy, D. Kontos, **B. Voight**)
Objective: Perform genome-wide association for volumetric breast density and use human genetics to perform causal inference between volumetric breast density and risk to cancer.

2020–2022 Penn Chronobiology and Sleep Institute Pilot Project. "*Discovery and analysis of human genetic variation associated with circadian gene expression levels*" (PIs: **B. Voight**, C. Brown, no award number)
Objective: A pilot project to develop computational tools to identify variation associated with gene expression over circadian (24 hour) time.

2014–2021 NIH R01/R56 DK101478: *"Algorithms to identify non-coding mutational burden and disease-relevant pathways"*
Objective: The goal of this proposal was to develop computational approaches to understand the role of non-coding mutational burden in type 2 diabetes.

2019–2020 T2D Accelerating Medicine Partnerships (PIs: K. Susztak, **B. Voight**, M. Lazar, C. Brown), *"Prioritizing causal genes and variants for diabetic kidney disease"*
Objective: The goal of this proposal was to identify genetic variation associated with change in gene expression in primary kidneys of patients with diabetic kidney disease.

2019–2020 Linda Pechenik Montague Investigator Award (no award number)
Objective: This (non-project) award supported human genetics and causal inference studies across hematopoietic and anthropometric traits.

2018–2019 NIH R01 DK101478 S1, Supplemental support to applying developed methods to Alzheimer's disease and related traits
Objective: The purpose of this supplement was to perform multi-trait association studies between Alzheimer's disease and neurocognitive traits and cardiometabolic traits.

2016–2019 ITMAT Maturational Human Biology Pilot Grant: *"Characterizing the genetic determinants of pubertal timing and body weight regulation"*
Objective: The goal of this pilot study was to perform association studies for puberty and obesity during pediatric development.

2012–2016 AHA 13SDG14330006: "*Human genetics of high-density lipoprotein to elucidate the etiology of heart disease*"
Objective: The goal of this study was to further explore the role of variants linked to lipid levels and heart disease risk, and develop new tools for polygenic risk score prediction.

2013–2014 H1201 W.W. Smith Charitable Trust: "*Identifying the etiological basis for heightened risk of cardiovascular disease in the context of glycemic disorder*"
Objective: The goal of this study was to perform multi-trait association and causal inference studies between type 2 diabetes and heart disease.

2012–2014 Alfred P. Sloan Foundation Fellowship (No award number)
Objective: This fellowship supported computational methods to identify balancing selection and characterize the frequency of polymorphism levels in human populations

Additional:

2023–2025 I21 HX003714: "*Precision Pharmacogenomic Perioperative Prediction"* (PI: T. Barrett). Role: Co-I
Objective: The goal of this pilot study is to improve the VA Surgical Quality Improvement Program by incorporating pharmacogenetic information into prediction.

2021–2025(NCE) R01 AI146026: "*Promoter interactome-aided mapping of unexplored CVID genetic landscapes*." (PI: N. Romberg). Role: Co-I
Objective: To identify causal genets underlying CVID, our contribution is to create maps of variation associated with change in gene expression (eQTLs) in primary pediatric immune tissues (obtained from tonsils).

2020–2025(NCE) R01 DK087635: *"Epigenetic Landscape of Chronic Kidney Disease.*" (PI: K. Susztak). Role: Co-I
Objective: Perform large-scale association studies for measures of kidney function (eGFR) and perform multi-omics profiling to identify variants and genes underlying susceptibility to chronic kidney disease.

2020–2024 U01 DK123594: "*The human pancreas analysis program for type 2 diabetes.*" (PIs: K. Kaestner, A. Naji). Role: Co-I.
Objective: Obtain primary pancreatic islet specimens from deceased donors, perform multi-omics profiling and in-vivo functional characterization of islet function, and release all data to the research community.

2021–2023 MVP-DOE2: "*Phenotypic and Genomic Architecture of Cardiovascular Disease Sub*types." (PI: S. Damrauer). Role: Co-I
Objective: Use human genetics data to characterize the basis of peripheral artery disease and perform causal inference studies.

2018-2020 NIH R01 HG010067: "*Network-based algorithms for target identification and drug repositioning from genetic associations,"* Role: Co-I (PI: C. Greene)
Objective: Apply tools from network-based approaches with human genetics to identify leads for drug repurposing.

2018–2021 MVP-DOE2, "*Phenotypic and Genomic Architecture of Cardiovascular Disease Subtypes*" Role: Co-I (PIs: S. Damrauer)

Objective: Use human genetics data to characterize the basis of peripheral artery disease and perform causal inference studies.

2015–2016 March of Dimes Preterm Birth Research Center Grant. (Role: Co-Investigator).
Objective: To characterize the genetics of pre-term birth and causal genes.

PENDING SUPPORT

As PI:

2026-2031 R01 DK148171. *"Resolving disease associations to causal variants at single-nucleotide resolution using footprint QTLs".* (MPIs: I. Mathieson, **B. Voight**, S.F.A. Grant (contact PI))
Objective: To perform large-scale multi-omics profiling (including ATAC-Seq) in bulk liver tissue to map genetic variation associated with change in TF footprinting found in regions of chromatin accessibility, and to use these association to resolve causal variants associated with complex disease to single-nucleotide resolution.

2026-2031 R01 HG015279. *"Mutational models for the X chromosome with applications to X-linked disease".* (MPIs: Z. Gao, I. Mathieson, **B. Voight (contact)**)
Objective: Using a novel computational method we recently developed this proposal will create best-in-class models that capture variability in mutation rates on the X chromsome, quantifying functional constraint, applying that knowledge to prioritize variants for X-linked rare disease.

AWARDS AND HONORS

2025 Clinical Research Forum 2025 Top Ten Clinical Research Achievement Award (in recognition of "*Diversity and scale: Genetic architecture of 2068 traits in the VA Million Veteran Program")*, with Anurag Verma and Scott Damrauer).
2024 Ajay P. Parashar Memorial Award for Excellence in Teaching, Institute of Translational Medicine and Therapeutics, University of Pennsylvania
2019 Recipient of the Linda Pechenik Montague Investigator Award (see also Grants)
2017 Penn Medicine Award of Excellence Recipient: The Michael S. Brown New Investigator Research Award
2017 Recipient of the 2014 Presidential Early Career Award for Scientist and Engineers (PECASE), Department of Health and Human Services
2012 Selected Alfred P. Sloan Research Fellow (see also Grants)
2009 Semi-finalist, Trainee Research Award, 59th Meeting of the American Society of Human Genetics

2007	Team Award for Outstanding Research, Clinical Research Day, Massachusetts General Hospital
2006	PhD Dissertation Award, Best in the Biological Sciences Division, University of Chicago
2006	New York Times Front Page News article, “Still evolving, human genes tell new story” (Voight et al, see Ref #3)
2000-2006	Numerous travel awards and scholarships (MSRI/PMMB, Keystone Symposium, NHGRI, etc.)
1998-1999	McDonald’s Fellowship for Biological Studies, Gonzaga University
1997-1999	Academic Merit Scholarship and Academic Debate Scholarship, Gonzaga University

PROFESSIONAL ACTIVITIES

2025–Present	Core Director, Environmental Health Informatics Core, Center of Excellence in Environmental Toxicology (CEET), University of Pennsylvania, Philadelphia PA
2025–Present	Program Committee Member, American Society of Human Genetics
2025–Present	Member, American Statistical Association
2025–Present	Member, AAAS
2018–Present	Chair, Genomics and Computational Biology Graduate Group, University of Pennsylvania
2018–Present	Associate Director (Bioinformatics Concentration) of the Master of Science in Translational Research program, University of Pennsylvania
2017–Present	Associate Editor, *Circulation: Genomic and Precision Medicine*
2012–Present	Member: The American Diabetes Association Member: The American Heart Association
2011–Present	Member of numerous/myriad Penn internal committees (e.g., Pharmacology Departmental Promotions Committee, Penn SOM Promotions Committee, Curriculum Committees for GCB and GGR, task force for graduate biostatistics, CTSA KL2/ITMAT fellowship reviewer, IBI Faculty Search, Genetics Faculty Search, PennOmics Governance, ITMAT Junior Investigator Symposium, 2024 Penn Genetics Symposium, etc.).
2002–Present	External referee for numerous journals (*Nature*, *Science, Nature Genetics, Cell, Lancet, JAMA, PLoS Medicine, Science Advances*, *Bioinformatics, ATVB, JACC, AJHG,* numerous others.)
2001–Present	Member: American Society of Human Genetics
2026	Reviewer, NIH KEDD 2026/01
2025	Reviewer, VA GAST 2025/12
2025	Reviewer, VA GAST 2025/06
2025	Reviewer, NIH GVE 2025/05
2024	Reviewer, NIH BDMA 2025/01
2022	Reviewer, VA 2023/01 ZRD1 GAST-L (01) 1, BL/CS Merit Review
2022	Reviewer, NIH CHD 2022/10
2022	Reviewer, NIH ZRG1 2022/05 ZRG1 GGG-S(55) R (PAR-20-117)
2020	Reviewer, NIH ZRG1 PSE-C(90) Special Emphasis Panel,
2020	Reviewer, NIH RFA-DK19-014, “Catalyst Award in Diabetes, Endocrinology and Metabolic Diseases”

2018–2024	Statistical Reviewer, *JAMA Network Open*
2018–2020	Associate Editor, *bioverlay.org*
2015–2018	Vice Chair, Genomics and Computational Biology Graduate Group, University of Pennsylvania
2012–2018	Co-organizer of the Penn Bioinformatics Forum (with Yoseph Barash)
2012–2018	Editorial Review Board, *Frontiers* (Pop Gen, Stat Gen)
2015–2017	Editorial Board Member, *Circulation: Cardiovascular Genetics*
2016–2017	Member, American Heart Association's Institute for Precision Cardiovascular Medicine Data Science and Technology Committee
2016	Reviewer, NIH Special Emphasis Panel for RFA-DK-15-025, NIH/NIDDK
2016-17, 2019	Program Committee, RECOMB Satellite Meeting on Computational Methods in Genetics
2013-14, 2017	Reviewer for American Heart Association GTOE Study Section
2013–2014	Associate Scientific Advisor, *Science Translational Medicine*
2013	Ad hoc reviewer, NIH Special Emphasis Panel for K23/K99 Career Awards, NIH/NIEHS

INVITED LECTURES (OUTSIDE PHILADELPHIA, SINCE 2017 PROMOTION TO ASSOCIATE)

2026	Cardiff University School of Medicine Science Seminar, Cardiff University (held virtually)
2025	Genomics Discovery Translational Series (GDTS) Seminar, Cincinnati Children's Hospital, Cincinnati OH
2024	Million Veteran Program, Cardiometabolic Interest Group (held virtually)
2024	Diabetes Obesity Complications Therapeutic Area Seminar, Eli Lilly, Indianapolis, IN
2024	Thé Svedberg Seminar Series, hosted by the Science for Life Laboratory, Sweden (Uppsala).
2023	SugarScience Webinar Series, Virtual Seminar
2023	Festival of Genomics and Biodata, Boston, MA
2023	Accelerating Medicines Partnerships Common Metabolic Disease Parliament Meeting, Boston, MA
2022	Invited Seminar, Rutgers Institute for Translational Medicine and Science (RITMS), Rutgers University, New Brunswick, NJ
2020	70th Annual Meeting of the American Society of Human Genetics (held virtually)
2020	European Society of Human Genetics, Berlin Germany (held virtually)
2020	Psychiatry Symposium at Mount Sinai, New York, NY
2019	Invited Seminar, Regeneron Pharmaceuticals, Tarrytown, NY
2019	Big Data Institute Seminar Series, University of Oxford, Oxford, UK
2019	Special Seminar, University of Exeter, Exeter UK
2019	4th International Conference on Mendelian Randomization, University of Bristol, Bristol, UK
2019	Special Seminar, Glaxo-Smith-Kline, Cambridge UK
2019	MRC Epidemiology Unit Special Seminar, University of Cambridge, Cambridge UK
2019	Department of Human Genetics Seminar Series Alumni Speaker, University of Chicago, IL

2019 Research Seminar Series, Brigham Young University, Provo, UT
2018 Research Seminar Series, HudsonAlpha Institute for Biotechnology, Huntsville, AL
2018 Integrated Biosciences Seminar Series, University of Akron, Akron, OH
2018 Million Veteran's Program Science Conference, Nashville, TN
2017 Center for Computational Medicine and Bioinformatics Seminar Series, University of Michigan, Ann Arbor, MI
2017 5 Points Seminar Series, New York Genome Center, New York, NY
2017 Bioinformatics Seminar Series, GlaxoSmithKline, King of Prussia, PA
2017 67th Annual Meeting of the American Society of Human Genetics (Invited Session Organizer), Orlando, FL
2017 Five Points Lecture Series, New York Genome Center, New York, NY
2017 Genetics and Bioinformatics Seminar Series, Glaxo-Smith-Kline, King of Prussia, PA

INVITED LECTURES (OUTSIDE PHILADELPHIA, 2011-2017)

2017 American Diabetes Association's 77th Annual Meeting, San Diego, CA
2017 Genome Sciences Seminar Series, Center for Public Health Genomics, University of Virginia, Charlottesville, VA
2016 Program in Quantitative Genomics Seminar Series, Harvard School of Public Health, Boston, MA
2016 Frontiers in Bioinformatics and Systems Biology Seminar Series, University of California, San Diego, CA
2016 Genetics Institute Seminar Series, Vanderbilt University, TN
2016 Institute for Personalized Medicine seminar Series, Icahn School of Medicine, Mount Sinai, NY
2016 Seminar Series, University of California at Los Angeles, CA
2016 CIHR – Strategic Training for Advanced Genetic Epidemiology International Speaker Seminar Series, University of Toronto, Canada
2016 New York Area Population Genomics Workshop, Princeton University
2015 Department of Genetics Seminar Series, Yale University, NH
2013 Bioscience Conference on Genomics in Medicine, Copenhagen, Denmark
2013 Keynote Lecture, American Heart Association Epi|NPAM Council's Spring Conference, New Orleans, LA
2013 73rd Meeting of the American Diabetes Association, Chicago, IL
2012 62nd Annual Meeting of the American Society of Human Genetics (Invited Session Organizer), San Francisco, CA
2012 Medical Population Genetics Seminar Series, The Broad Institute of Harvard and MIT, Cambridge, MA
2012 Department of Biology Seminar Series, University of Vermont, Burlington, VT
2012 Session Co-Chair, 25th Annual Cold Spring Harbor Meeting, Biology of Genomes, Cold Spring Harbor, NY
2011 1st Annual Illumina America's Scientific Summit, Clearwater Beach, FL
2011 Botnia 20th Anniversary Symposium, Lund University, Vaasa, Finland
2011 The 2011 European Human Genetics Conference, Amsterdam RAI, The Netherlands

2011 National Institute of Genomic Medicine in Mexico, Ciudad de México, Mexico

TEACHING ACTIVITIES

2013–2019, 2021–Present Co-Director, *Introduction to Bioinformatics* (BIOM/CIS/MTR/5350)
Undergrad/MS/PhD/post-doc/MD/MD+PhD, ~90-105 students
Includes lectures and administrative responsibilities.
100+ hours total, 50+ direct contact

2019–Present Guest Lecturer, *Statistics for Genomics and Biomedical Informatics* (GCB533)

2019–Present Guest Lecturer, *Professional Development Series,* MSTR Program

2012, 2023–Present Guest Lecturer, *Introduction to Genome Sciences* (GCB5340)

2015–2023 Guest Lecturer, CTSA Summer Internship Seminar

2022 Director, *Introduction to Bioinformatics* - Independent Study (GCB999)

2014 Guest Lecturer, *Biology of Human Disease* (BIOL015)

2013 Guest Lecturer, *Advanced Computational Biology* (GCB537)

2012 Guest Lecturer, *Introduction to Genome Sciences* (GCB534)

2012-2013 Lecturer, Medical School Module One, *Genetic Foundations of Disease*

2006–2011 Organizer of several workshops in statistical genetic analysis

STUDENT AND POSTDOCTORAL MENTORSHIP

CURRENT MENTEES

2024–Present Jianhua Wang, (Post-doc, PhD)

2025–Present Anni Moore (PhD Student, GCB, joint with Marylyn Ritchie)

2021–Present Mary Ann Hazuga (PhD Student, GCB, joint with Struan Grant)
- President's Select Abstract, ADA (2024)

PREVIOUS MENTEES

POST-DOCTORAL FELLOWS

2020–2022 Louise Wang (Post-doc, MD Gastroenterology Fellow)
- VA CDA Award (2022)
- Now: Assistant Professor of Medicine, Yale School of Medicine, Section of Digestive Diseases

2015–2021 Chris Thom (Post-doc, MD/PhD Neonatology Resident)
- CHOP Senior Resident Research Award (2017)
- Selected for Pediatrics T32 (2017)
- Foerderer Research Award (2018)
- Marshall Klaus Neonatal-Perinatal Research Award (2019)
- Philadelphia Perinatal Society Thomas Boggs Research Award (2019)
- 61st American Society of Hematology Annual Meeting Abstract Achievement Award (2019)

- *CHOP K-readiness Award (2019)*
- *Eastern Society of Pediatric Research Trainee Young Investigator Award Finalist (2020)*
- *CHOP Distinguished Research Trainee Award (2020)*
- *SPR Fellows' Basic Science Award (2020)*
- *K99 Award Recipient (2021)*
- *Now: Asst. Professor of Pediatrics, Children's Hospital of Philadelphia*

2015–2020 Diana Cousminer (Post-doc, joint with Struan Grant)
- *Young Investigator Travel award, ASBMR Bone-omics Symp. (2016)*
- *ADA Postdoc Fellowship Award Recipient (2016-2018)*
- *ASBMR Young Investigator Award (2018)*
- *CHOP Distinguished Research Trainee Award (2019)*
- *K99 Award recipient (2019-2021)*
- *ASHG Charles J. Epstein Post-doc Award Recipient (2019)*
- *Now: Associate Director, Applied and Statistical Genetics, GSK*

2012–2017 Paul Babb (Post-doc)
- *Post-doc Symposium Poster Award (2014)*
- *Now, Research Scientist, Karius Inc.*

2015–2017 Kim Lorenz (Post-doc)
- *Selected for a Diabetes/Endocrine Post-doc T32 (2015-2016)*
- *Now: Bioinformatician, Voight Lab*

PhD Candidates

2021–2025 Da (Mia) Lee (PhD Student, PGG)
- Selected for Genomics T32 (2023)
- *Now: On job market*

2023–2025 Brandon Wenz (PhD Student, GE, formerly with Casey Brown)
- *Now: Post-doc fellow, Novartis*

2021–2025 Mitch Conery (PhD Student, GCB, joint with Struan Grant)
- *Selected for Genomics T32 (2022)*
- *Reviewer's Choice Abstract, ASHG (2023)*
- *2025 Recipient – Saul Winegrad Award for Best Dissertation (GCB)*
- *Now: Post-doctoral researcher, Argonne National Labs*

2018–2023 Chris Adams (PhD Student, GCB)
- *Now: Quantitative Analyst, Philadelphia Phillies*

2018–2023 Will Bone (PhD Student, GCB, joint with Marylyn Ritchie)
- *AHA Predoctoral Fellowship (2020-2022)*
- *2020 ASHG Abstract Reviewer's Choice Award*
- *Travel Award, 2021 CHARGE Consortium Meeting (Virtual)*
- *2023 Recipient - Saul Winegrad Award for Best Dissertation (GCB)*
- *Now: Computational Biologist, Recursion, Inc.*

2016–2021 Katerina Gawronski (PhD Student, GE, joint with Casey Brown)
- *Selected for Genetics T32 (2016-2018)*
- *American Polish Cultural Society Scholarship (2016-2019)*
- *SAGES Poster Award (2018)*
- *AHA Predoctoral Fellowship (2019-2021)*
- *ASHG Charles J. Epstein Pre-doc Award Semi-Finalist (2019)*
- *Now: Senior Consultant, ClearView (Newton, MA)*

2014–2019 Kelsey Johnson (PhD Student, GE)
- *Selected for Genetics T32 (2014-2016)*
- *Post-doc, Blehkman and Albert Labs (U. of Minnesota)*
- *Now: Clinical Asst. Professor of Pediatrics, USC*

2014–2018 Katie Siewert (PhD Student, GCB)
- *Selected for Genomics T32 (2015-2017)*
- *2019 Recipient - Saul Winegrad Award for Best Dissertation (GCB)*
- *Post-doc, Price Lab, T.H. Chan Harvard School of Public Health*
- *Now: Senior Research Scientist in Computational Genomics, Vertex*

2012–2016 Varun Aggarwala (PhD Student, GCB)
- *Semi-finalist for the ASHG Charles J. Epstein Trainee Award (2015)*
- *Penn Genetics Retreat Poster Award (2015)*
- *Post-doc, Faith Lab, Mt. Sinai*
- *Now: Asst. Professor, JIO Institute, Navi Mumbai, India*

MASTER'S CANDIDATES

2018–2021 Zhuoran Ding (Masters in Biostatistics, GGEB)
- *Now: PhD Student, GGEB, Univ. of Pennsylvania*

2018 Kaushik Visvanathan (Master's student, CS)
- *Now: Cloud Software Engineer, Zipline*

2016–2018 Onur Yörük (Masters in Genomics and Computational Biology, GCB)
- *Now: Senior Data Visualization Engineer, CATO Institute*

UNDERGRADUATE / POST-BACS

2022 Sanjana Akula (Undergraduate, SAS)
- *Now: Sr. Business Analyst, McKinsey & Company*

2020–2022 Brian Chen (Undergraduate, SAS)
- *Now: Software Engineer, Nextdoor*

2018–2020 Sanjana Adurty (Undergraduate, SAS)
- *Now: Medical School, Univ. of Pittsburgh*

2015–2017 Rachael ("Rocky") Aikens (Swarthmore Undergrad)
- *Penn Summer Undergrad Internship Program (2016)*
- *Penn CTSA Summer Internship (2015)*
- *Now: Statistician, Mathematica (Policy Research)*

2015–2016 David Nicholson (Post-Bac)
- *Selected for the Penn Summer Undergrad Intership Program (2014)*
- *Selected for the PennPrep Program (2015)*
- *Now: Data Scientist at Digital Science and Research Solutions Ltd.*

2013–2015 Peter Yin (Undergrad)
- *Undergraduate Research and Fellowship Recipient (2015)*
- *Now: Independent Contractor*

PUBLICATIONS

FROM 202 PAPERS (INCLUDES N=14 PREPRINTS)
H-INDEX = 96, CITATIONS = 87,709

LINK TO FULL PUBLICATION LIST:
https://www.ncbi.nlm.nih.gov/myncbi/benjamin.voight.1/bibliography/public/

PREPRINTS

bioRxiv:

[1] Lee MYY, Guessoum O, El-Mekkoussi H, Conery M, Manduchi E, Schug J, Descamps H, Lahori D, Da T, Liu C, Naji A, **Voight BF**, Li M, Kaestner KH. Single-cell multiome analysis supports α-to-β transdifferentiation in human pancreas. bioRxiv 2025.02.14.638309; doi: https://doi.org/10.1101/2025.02.14.638309. (In review, *Cell Metabolism*)

[2] Rodriguez A, Kim Y, Nandi TN, Keat K, Kumar R, Bhukar R, Conery M, Liu M, Hessington J, Maheshwari K, Schmidt D; VA Million Veteran Program; Begoli E, Tourassi G, Muralidhar S, Natarajan P, **Voight BF**, Cho K, Gaziano JM, Damrauer SM, Liao KP, Zhou W, Huffman JE, Verma A, Madduri RK. Accelerating Genome- and Phenome-Wide Association Studies using GPUs - A case study using data from the Million Veteran Program. bioRxiv. 2024 May 22:2024.05.17.594583. doi: 10.1101/2024.05.17.594583. (Accepted, *Bioinformatics*)

[3] Ramos-Almodóvar F, Gao Z, Voight BF, Mathieson I. Methylation-associated mutagenesis underlies variation in the mutation spectrum across eukaryotes. bioRxiv. 2025 May 30:2025.05.28.656604. doi: 10.1101/2025.05.28.656604. (In review, *PNAS*)

***medRxiv*:**

[1] Tsao NL, Judy R, Levin MG, Shakt G; Regeneron Genetics Center; Penn Medicine BioBank; **Voight BF**, Chen J, Damrauer SM. Evaluation of the Performance of the RECODe Equation with the Addition of Polygenic Risk Scores for Adverse Cardiovascular Outcomes in Individuals with Type II Diabetes. medRxiv. 2023 May 5:2023.05.03.23289457. doi: 10.1101/2023.05.03.23289457.

[2] Liu J, Hu S, Chen L, Daly C, Prada Medina CA, Richardson TG, Traylor M, Dempster NJ, Mbasu R, Monfeuga T, Vujkovic M, Tsao PS, Lynch JA, **Voight BF**, Chang KM, Million VA, Cobbold JF, Tomlinson JW, van Duijn CM, Howson JMM. Profiling the genome and proteome of metabolic dysfunction-associated steatotic liver disease identifies potential

therapeutic targets. medRxiv Nov 30:2023.11.30.23299247. doi: 10.1101/2023.11.30.23299247. (Revising for Resubmission)

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ADDITIONAL PUBLICATIONS

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