

BENJAMIN F. VOIGHT

CURRICULUM VITAE

Associate Professor

Department of Systems Pharmacology and Translational Therapeutics
and Department of Genetics

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CV last updated: March 2025

EMPLOYMENT HISTORY

2017–Present	Associate Professor (with tenure), Department of Systems Pharmacology and Translational Therapeutics Department of Genetics University of Philadelphia - Perelman School of Medicine 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
2001	B.S. in Biology and B.A. Mathematics University of Washington, Seattle [Transferred from Gonzaga University, Spokane, WA, in 1999]

CURRENT RESEARCH SUPPORT

As PI:

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.

2020–2025

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.

2025

P30 ES013508: *Exposure Biology Informatics Facility 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)

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.

Awaiting NOA:

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.

2025-2029

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.

2025-2030	P30 ES013508: <i>Environmental Health Informatics Core</i> (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)
<u>Additional:</u> 2023–2028	VA BX006159: “ <i>Leveraging the genetics of carotid stenosis for identifying novel risk factors and therapeutic opportunities</i> ” (PI: S. Damrauer). Role: Co-I. Objective: Use human genetics data to identify and characterize causal risk factors underlying carotid stenosis.
2020–2024	U01 DK123594: “ <i>The human pancreas analysis program for type 2 diabetes.</i> ” (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.
2020–2024	R01 DK087635: “ <i>Epigenetic Landscape of Chronic Kidney Disease.</i> ” (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.
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.
2021–2024	R01 AI146026: “ <i>Promoter interactome-aided mapping of unexplored CVID genetic landscapes.</i> ” (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).
2023–2024	I21 HX003714: “ <i>Precision Pharmacogenomic Perioperative Prediction</i> ” (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.

COMPLETED SUPPORT

As PI:

2022–2023	Institute of Translational Medicine and Therapeutics Pilot Grant. <i>“Interplay of obesity and volumetric breast density with respect to breast cancer risk”</i> (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. “ <i>Discovery and analysis of human genetic variation associated with circadian gene expression levels</i> ” (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: “ <i>Algorithms to identify non-coding mutational burden and disease-relevant pathways</i> ” 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), “ <i>Prioritizing causal genes and variants for diabetic kidney disease</i> ” 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: “ <i>Characterizing the genetic determinants of pubertal timing and body weight regulation</i> ” Objective: The goal of this pilot study was to perform association studies for puberty and obesity during pediatric development.
2012–2016	AHA 13SDG14330006: “ <i>Human genetics of high-density lipoprotein to elucidate the etiology of heart disease</i> ”

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: “ <i>Identifying the etiological basis for heightened risk of cardiovascular disease in the context of glycemic disorder</i> ” 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
<u>Additional:</u> 2021–2023	T01 BX003362: “ <i>Genetics of Cardiometabolic Diseases in the VA Population.</i> ” (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.
2021–2023	MVP-DOE2: “ <i>Phenotypic and Genomic Architecture of Cardiovascular Disease Subtypes.</i> ” (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: “ <i>Network-based algorithms for target identification and drug repositioning from genetic associations,</i> ” 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, “ <i>Phenotypic and Genomic Architecture of Cardiovascular Disease Subtypes</i> ” 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:

2025-2030	R01 HG013499. "Methods for inference of mutation rate and functional constraint with applications in human health". (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 across species, quantifying functional constraint in across the human genome, applying that knowledge to prioritize variants at non-coding complex disease associated signals likely to be causal.
2025–2030	R01 DK141822. "Target validation for metabolic dysfunction-associated steatotic liver disease using computational approaches and <i>in vivo</i> deep phenotyping" (MPIs: M. den Hoed, B. Voight (contact)) Objective: To characterize causal variants and genes for non-alcoholic fatty liver disease and perform medium-throughput functionally validation of candidates using the zebrafish model system using high dimension imaging analysis.

AWARDS AND HONORS

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, 59 th 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
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, <i>Circulation: Genomic and Precision Medicine</i>
2012–Present	Member: The American Diabetes Association
2011–Present	Member: The American Heart Association
	Member of numerous Penn internal committees (e.g. Curriculum Committee 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 (<i>Nature</i> , <i>Nature Genetics</i> , <i>Cell</i> , <i>Lancet</i> , <i>JAMA</i> , <i>PLoS Medicine</i> , <i>Science Advances</i> , <i>Bioinformatics</i> , <i>ATVB</i> , <i>JACC</i> , <i>AJHG</i> , many others.)
2001–Present	Member: American Society of Human Genetics
2025–Present	Program Committee Member, American Society of Human Genetics
2025	Reviewer, VA 2025 GAST
2025	Reviewer, NIH 2025/05 GVE
2024	Reviewer, NIH 2025/01 BDMA
2022	Reviewer, VA 2023/01 ZRD1 GAST-L (01) 1, BL/CS Merit Review
2022	Reviewer, NIH 2022/10 GHD
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, <i>JAMA Network Open</i>
2018–2020	Associate Editor, <i>biooverlay.org</i>
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, <i>Frontiers</i> (Pop Gen, Stat Gen)
2015–2017	Editorial Board Member, <i>Circulation: Cardiovascular Genetics</i>
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, <i>Science Translational Medicine</i>
2013	Ad hoc reviewer, NIH Special Emphasis Panel for K23/K99 Career Awards, NIH/NIEHS

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

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	70 th 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	67 th 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 77 th 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	73 rd Meeting of the American Diabetes Association, Chicago, IL
2012	62 nd 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, 25 th Annual Cold Spring Harbor Meeting, Biology of Genomes, Cold Spring Harbor, NY
2011	1 st Annual Illumina America's Scientific Summit, Clearwater Beach, FL
2011	Botnia 20 th 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, <i>Introduction to Bioinformatics</i> (CIS/MTR/GCB5350) Undergrad/MS/PhD/post-doc/MD/MD+PhD, ~90 students Includes lectures and administrative responsibilities. 100+ hours total, 50+ direct contact
2019–Present	Guest Lecturer, <i>Statistics for Genomics and Biomedical Informatics</i> (GCB533)
2019–Present	Guest Lecturer, <i>Professional Development Series</i> , MSTR Program
2015–2023	Guest Lecturer, CTSA Summer Internship Seminar
2022	Director, <i>Introduction to Bioinformatics - Independent Study</i> (GCB999)
2014	Guest Lecturer, <i>Biology of Human Disease</i> (BIOL015)
2013	Guest Lecturer, <i>Advanced Computational Biology</i> (GCB537)
2012	Guest Lecturer, <i>Introduction to Genome Sciences</i> (GCB534)
2012–2013	Lecturer, Medical School Module One, <i>Genetic Foundations of Disease</i>
2006–2011	Organizer of several workshops in statistical genetic analysis

STUDENT AND POSTDOCTORAL MENTORSHIP

CURRENT MENTEES

2024–Present	Jianhua Wang, (Post-doc, PhD)
2023–Present	Brandon Wenz (PhD Student, GE)
2021–Present	Da (Mia) Lee (PhD Student, PGG) - Selected for Genomics T32 (2023)
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: Assistant 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: Scientific Leader, GSK
2012–2017	Paul Babb (Post-doc)

	<ul style="list-style-type: none"> - Post-doc Symposium Poster Award (2014) - Now, Research Scientist, Karius Inc.
2015–2017	<p>Kim Lorenz (Post-doc)</p> <ul style="list-style-type: none"> - Selected for a Diabetes/Endocrine Post-doc T32 (2015-2016) - Now: Bioinformatician in my group

PHD CANDIDATES

2021–2025	<p>Mitch Conery (PhD Student, GCB, joint with Struan Grant)</p> <ul style="list-style-type: none"> - Selected for Genomics T32 (2022) - Reviewer's Choice Abstract, ASHG (2023) - Now: Post-doctoral researcher
2018–2023	<p>Chris Adams (PhD Student, GCB)</p> <ul style="list-style-type: none"> - Now: Quantitative Analyst, Philadelphia Phillies
2018–2023	<p>Will Bone (PhD Student, GCB, joint with Marylyn Ritchie)</p> <ul style="list-style-type: none"> - 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	<p>Katerina Gawronski (PhD Student, GE, joint with Casey Brown)</p> <ul style="list-style-type: none"> - 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	<p>Kelsey Johnson (PhD Student, GE)</p> <ul style="list-style-type: none"> - Selected for Genetics T32 (2014-2016) - Now: Post-doc, Blehckman and Albert Labs (U. of Minnesota)
2014–2018	<p>Katie Siewert (PhD Student, GCB)</p> <ul style="list-style-type: none"> - Selected for Genomics and Computational Biology T32 (2015-2017) - 2019 Recipient - Saul Winegrad Award for Best Dissertation (GCB) - Now: Senior Research Scientist in Computational Genomics, Vertex
2012–2016	<p>Varun Aggarwala (PhD Student, GCB)</p> <ul style="list-style-type: none"> - 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)
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	- Now: <i>PhD Student, GGEB, Univ. of Pennsylvania</i>
2018	Kaushik Visvanathan (Master's student, CS)
2016–2018	Onur Yörük (Masters in Genomics and Computational Biology, GCB)

UNDERGRADUATE / POST-BACS

2022	Sanjana Akula (Undergraduate, SAS)
2020–2022	Brian Chen (Undergraduate, SAS)
2018–2020	Sanjana Adurty (Undergraduate, SAS) - Now: <i>Medical School, Univ. of Pittsburgh</i>
2015–2017	Rachael ("Rocky") Aikens (Swarthmore Undergrad) - <i>Penn Summer Undergrad Internship Program (2016)</i> - <i>Penn CTSA Summer Internship (2015)</i> - Now: <i>Statistician, Mathematica (Policy Research)</i>
2015–2016	David Nicholson (Post-Bac) - <i>Selected for the Penn Summer Undergrad Internship Program (2014)</i> - <i>Selected for the PennPrep Program (2015)</i> - Now: <i>Data Scientist at Digital Science and Research Solutions Ltd.</i>
2013–2015	Peter Yin (Undergrad) - <i>Undergraduate Research and Fellowship Recipient (2015)</i> - Now: <i>Automation Engineer, Zymogen, Emeryville CA</i>

PUBLICATIONS (FROM 177 PAPERS, H-INDEX=92, CITATIONS=82,711)

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>.

[2] Conery M, Pippin JA, Wagley Y, Trang K, Pahl MC, Villani DA, Favazzo LJ, Ackert-Bicknell CL, Zuscik MJ, Katsevich E, Wells AD, Zemel BS, **Voight BF**, Hankenson KD, Chesi A, Grant SFA. GWAS-informed data integration and non-coding CRISPRi screen illuminate genetic etiology of bone mineral density. bioRxiv. 2024 Mar 20:2024.03.19.585778. doi: 10.1101/2024.03.19.585778.

[3] Dudek MF, Wenz BM, Brown CD, **Voight BF**, Almasy L, Grant SFA. Characterization of non-coding variants associated with transcription factor binding through ATAC-seq-defined footprint QTLs in liver. bioRxiv [Preprint]. 2024 Sep 25:2024.09.24.614730. doi: 10.1101/2024.09.24.614730.

[4] Wenz BM, He Y, Chen NC, Pickrell JK, Li JH, Dudek MF, Li T, Keener R, **Voight BF**, Brown CD, Battle A. Genotype inference from aggregated chromatin accessibility data

reveals genetic regulatory mechanisms. bioRxiv [Preprint]. 2024 Sep 5:2024.09.04.610850. doi: 10.1101/2024.09.04.610850.

[5] 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.

MedRxiv:

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