Adam Landman, MD, MS, MIS, MHS
Brigham and Women's Hospital
alandman@bwh.harvard.edu
https://www.brighamandwomens.org/about-bwh/leadership/adam-landman

Students Mentored

Tamim Alganam, 2018 "Retrospective Usage Data Analysis of Wateen Application"

Heather Lyu, 2019 "Development and Implementation of a Web Based Dashboard App to Track Patients on a Non-Operative Small Bowel Obstruction Treatment Pathway"

Lin Shen, 2020 "Clinical decision support system, using expert consensus-derived logic and natural language processing, decreased sedation-type order errors for patients undergoing endoscopy"

Vivek Upadhyay, 2021 "Real-World Analysis of Off-Label Use of Targeted Therapy in a Large Academic Medical Center Cohort"

David Rubins, 2019 Effect of Default Order Set Settings on Telemetry Ordering

Amir Kimia, MD
BCH
amir.kimia@childrens.harvard.edu
https://www.childrenshospital.org/directory/amir-kimia

Students Mentored

Mara Alexeev, 2022 "Identifying and mitigating unapproved abbreviations in clinical documentation"

Andrea Ganna, PhD
MGH
aganna@broadinstitute.org
https://www.dsgelab.org/
Not Harvard faculty, requires co-mentor

Students Mentored

Linzu Yu, 2023 "The Association of Copy Number Variation on Healthcare Costs"

Andrew Beam, PhD
HSPH
andrew_beam@hms.harvard.edu
http://beamlab.org/

Students Mentored

Salem Karani, 2020 "Fast Multi-Modal Regression of Affect Extracted from Facial Images and Audio"

Andrew Capraro, MD, BCH
BCH
andrew.capraro@childrens.harvard.edu
https://connects.catalyst.harvard.edu/Profiles/display/Person/60517

Students Mentored

Melissa Van Cain, 2019 The Impact of a Prescription Drug Monitoring Program on Pediatric Opioid Prescribing in the Emergency Department

Ann Hochschild, PhD
HMS
Ann_Hochschild@hms.harvard.edu
https://hochschildlab.med.harvard.edu/
Requires co-mentor

Students Mentored

Eleanor Fleming, 2022 "Bioinformatic prediction of bacterial prions"

Artem Sokolov, PhD
HMS
Artem_Sokolov@hms.harvard.edu
https://scholar.harvard.edu/artem-sokolov/home

Students Mentored

Pradeep Mangalath, 2020 "CoRaS: Cox proportional hazards and random survival forest methods for identifying drug repurposing candidates to treat breast cancer"

Charles Berde, MD, PhD
BCH
charles.berde@childrens.harvard.edu
http://www.childrenshospital.org/research/labs/berde-lab
Requires co-mentor

Students Mentored

Gloria Carolina Donado Rincon, 2019 Developing a Pediatric Chronic Pain Data Repository

Charles Guttmann, MD
BWH
guttmann@bwh.harvard.edu
https://connects.catalyst.harvard.edu/Profiles/display/Person/49315

Students Mentored

Kezia Irene, 2023 Time Series Modeling of Fatigue in the Stratification of Fatigue Phenotypes in Patients with Multiple Sclerosis

Chase Parsons, DO, MBI
BCH
chase.parsons@childrens.harvard.edu
https://www.childrenshospital.org/directory/chase-parsons

Students Mentored

Adam Yan, 2023 Clinical Decision Support to Enhance Venousthromboembolism Pharmacoprophylaxis Prescribing for Pediatric Inpatients with COVID-19

Cheng-Zhong Zhang, PhD
DFCI
cheng-zhong_zhang@dfci.harvard.edu
https://www.dfhcc.harvard.edu/insider/member-detail/member/cheng-zhong-zhang-phd/

Students Mentored

Xuan (Fiona) Song, 2022 "Characteristics of DNA damage induced cytoplasmic DNA from cultured microglia"

Chirag Patel, PhD
DBMI
Chirag_Patel@hms.harvard.edu
https://www.chiragjpgroup.org/

Students Mentored

Kajal Claypool, 2017 Large Scale Meta-Analysis of Changes in Gene Expression Associated with Physical Activity Implicates CREBRF

Chen Dong, 2019 The Associations of NO2 and PM10 on Lung Functions, Physiological Measurements, and Hematological Parameters

Jiaqi Xie, 2019 Association of Cardiac-Wide Complications to Repeated Fasting Glucose Measurements

Usman Tahir, 2020 "The Assessment of N-Terminal Pro-BNP as a Biomarker of Risk for Cardiovascular Disease: Insights from the Jackson Heart Study and Malmo Diet and Cancer Study"

Renhao Luo, 2023 "Dissecting the Neurogenic Stem Cell Niche in Exercise and Alzheimer's Disease"

Yumin Wang, 2023 "Application of specification curve analysis to nutritional epidemiology: red meat and all-cause mortality"

Linzu Yu, 2023 "The Association of Copy Number Variation on Healthcare Costs"

Christiane Wrann, PhD, DVM
MGH
cwrann@mgh.harvard.edu
https://wrannlab.mgh.harvard.edu/
Requires co-mentor

Students Mentored

Renhao Luo, 2023 "Dissecting the Neurogenic Stem Cell Niche in Exercise and Alzheimer's Disease"

David Bates, MD
BWH
dbates@bwh.harvard.edu
https://connects.catalyst.harvard.edu/Profiles/display/Person/449

Students Mentored

Harvey Chin, 2020 "A Machine Learning Model for Predicting Medication Error and Ensuring Medication Accountability using EHR Data"

Matthew Crowson, 2023 "Towards Medical Billing Automation: NLP for Outpatient Clinician Note Classification"

David Chang, MPH, PhD
MGH
dchang8@mgh.harvard.edu
https://researchers.mgh.harvard.edu/profile/12494547/David-Chang

Students Mentored

Andrew Powers, 2023 Public Health Insurance and Lack of Home Support Predict Rehab Discharge Following Elective Anterior Cervical Disectomy and Fusion

Eliezer Van Allen, MD
DFCI
eliezerm_vanallen@dfci.harvard.edu
https://vanallenlab.dana-farber.org/

Students Mentored

Nisarg Patel, 2019 Genomic Correlates of Response to Immune Checkpoint Blockade in Head and Neck Squamous Cell Carcinoma

Anran Tang, 2020 "Discovery of nocoding cancer driver mutations based on functional conservaation"

Xiaoou Wang, 2021 "Evaluating pathogenic germline mutations as determinants of response to cancer immunotherapy"

Caroline Canning, 2022 "Genomic-driven patient-to-patient matchmaking for precision oncology"

Pauline Gabrieli, 2022 "Clinical and genomic correlates of response to immune checkpoint blockade across cancer types"

Irbaz Riaz, 2023 "A digital approach for interactive presentation of living evidence for metastatic castration-sensitive prostate cancer"

Eric Rosenthal, MD
MGH
erosenthal@mgh.harvard.edu
https://researchers.mgh.harvard.edu/profile/1726088/Eric-Rosenthal

Students Mentored

Molly Douglas, 2023 "Co-occurrence of neurological deterioration and pharmacologic events in patients with traumatic brain injury: Groundwork for dynamic prognostic models, and a fingerprint of adequate ICU sedation interruption"

Fabienne Bourgeois, MD, MPH
BCH
fabienne.bourgeois@childrens.harvard.edu
https://www.childrenshospital.org/research/researchers/fabienne-bourgeois

Students Mentored

Chase Parsons, 2018 "Use of a Confidential Note Type in a Pediatric Hospital"

Finale Doshi-Velez, PhD
SEAS
finale@seas.harvard.edu
https://finale.seas.harvard.edu/

Students Mentored

Ming Yu Lu, 2019 Sensivity Analysis of Deep Reinforcement Learning among Septic Treatment

Shangshang Wang, 2022 "Predicting Treatment Outcomes from Time-Varying Mechanical Ventilation Treatment Strategies"

Francisco Quintana, PhD
BWH
fquintana@rics.bwh.harvard.edu
https://quintanalab.bwh.harvard.edu/

Students Mentored

Alberto Ardura-Fabregat, 2023 "The role of lymphocytes cells during ageing-related cognitive decline in macaque monkeys"

Franziska Michor, PhD
DFCI
michor@jimmy.harvard.edu
http://michorlab.dfci.harvard.edu/

Students Mentored

Cheryl Wong, 2023 “TISMO: A database of syngeneic mouse tumor models for immune check-point blockade research”

Gabriel Brat, MD, MPH
BIDMC
Gabriel_Brat@hms.harvard.edu
https://findadoc.bidmc.org/details/2412/gabriel-brat-surgical_critical_care-boston

Students Mentored

Jayson Marwaha, 2022 "Surgeon Intuition has Quantifiable Prognostic Value: A Proposed Synthesis for Surgeon Intuition and Clinical Prediction Models"

Brendin Beaulieu-Jones, 2023 "Predicting Surgical Site Infections: Assessing the Value of Transfer Learning & Local Data"

Heng Li, PhD
DBMI/DFCI
heng_li@hms.harvard.edu
https://hlilab.github.io/

Students Mentored

Jiazhen Rong, 2021 "Somatic Mutations Calling on Mitochondria from scATAC-Seq of Chronic Lymphoblastic Leukemia"

Yujie Guo, 2023 " A Systematic Benchmark of Haplotype-aware Long-read Error Correction Tools using Hifieval and Analysis of Assembly-Challenging Regions in CHM13"

Henning Tiemeier, PhD
HSPH
tiemeier@hsph.harvard.edu
https://www.hsph.harvard.edu/henning-tiemeier/
Requires co-mentor

Students Mentored

Ivan Sanchez Fernandez, 2019 Feature selection and prediction of attention deficit hyperactivity disorder with structural and functional magnetic resonance imaging

Hojjat Salmasian, MD, PhD, MPH
BWH
hsalmasian@bwh.harvard.edu
https://dbmi.hms.harvard.edu/people/hojjat-salmasian
Moved to Penn, no longer eligible

Students Mentored

Nicole Benson, 2021 "Efficacy of Short-Term Clinical Decision Support Alerts"

Ionita Ghiran, MD
BIDMC
ighiran@bidmc.harvard.edu
https://connects.catalyst.harvard.edu/Profiles/display/Person/27055
Requires co-mentor

Students Mentored

Ben Illigens, 2018 "Accelerated large-scale quantification of red blood cell flickering motion"

Isaac Kohane, MD, PhD
DBMI
Isaac_Kohane@hms.harvard.edu
http://zaklab.org/courses.htm

Students Mentored

Dianbo Liu, 2020 "Multi-step construction of scalable risk calculators for prediction of severe mental illness and critical clinical outcomes using medical claims and EHR"

Maria Nakhoul, 2020 "Understanding the Underlying Mechanisms and Benchmarking for Drug Repurposing"

Jared Hawkins, PhD, MMSc
BCH (CHIP)
Jared.Hawkins@childrens.harvard.edu
https://scholar.harvard.edu/jaredhawkins/bio

Students Mentored

Iris Braunstein, 2021 "Hypothesis Generation for Under-Applied Uses of At-Home Metabolite Monitoring Tool"

Jay G. Berry, MD, MPH
BCH
jay.berry@childrens.harvard.edu
https://connects.catalyst.harvard.edu/Profiles/display/Person/22953
Requires co-mentor

Students Mentored

Peter Hong, 2021 "Prevalence and Risk Factors for Post-operative Fever Following Admission for Pediatric Elective Surgery"

April Yan, 2023 "Auto-segmentation for CT and MR Images: A Deep-Learning, Generalizable Semantic Segmentator"

Jayashree Kalpathy-Cramer, PhD
MGH
kalpathy@nmr.mgh.harvard.edu
https://www.nmr.mgh.harvard.edu/user/8165
Moved to Colorado, no longer eligible

Students Mentored

Szu Yeu Hu, 2018 "Optic discs segmentation using convolution neural network"

Cheng Che Tsai, 2020 "Radiomics on Double-baseline Brain MRI of Glioblastoma Multiforme: feature repeatability assessment improves overall and progression-free survival prediction"

Luwei Liu, 2021 "Deep Learning and Grad-CAM Based Approach for Detection of Intracranial Hemorrhage"

Meredith Cox, 2022 "Interpretable Machine Learning for the Prediction of Amputation Risk Following Lower Extremity Infra-Inguinal Endovascular Interventions for Peripheral Arterial Disease"

Eric Yang, 2022 "Transformer versus Traditional Natural Language Processing: How Much Data is Enough for Automated Radiology Report Classification"

April Yan, 2023 "Auto-segmentation for CT and MR Images: A Deep-Learning, Generalizable Semantic Segmentator"

Jean Zhao, PhD
DFCI
Jean_Zhao@dfci.harvard.edu
https://zhaolab.dana-farber.org/?_ga=2.7559666.1911084779.1580332765-1092579429.1580332765
Requires co-mentor

Students Mentored

Sheng Zhong, 2020 "Identification of Clusters, Driver Fusion Genes/Proteins of Breast Cancer Brain Metastases (BCBMs) and Related Signaling Pathway, Biological Process Analysis"

John Brown Miller, MD
MEEI
john_miller@meei.harvard.edu
https://www.masseyeandear.org/find-a-physician/m/miller-john

Students Mentored

Ashley Kras, 2019 "Transfer learning accurately classifies retinal images from the UK Biobank"

Yuanchen Wang, 2023 "Application of Bayesian Neural Network in Biomedical Image Classification"

John Brownstein, PhD
BCH
john.brownstein@childrens.harvard.edu
http://www.childrenshospital.org/research/researchers/b/john-brownstein

Students Mentored

Edwin Reyes, 2018 "Identifying Textual Patterns in Clinical Trial Patient Recruitment"

Michael Sauthier, 2020 "ePaO2 : A Continuous and Noninvasive Method to Estimate PaO2 in Pediatric Critical Care"

Dany Thorpe Huerta, 2021 "The relationship between COVID-19 pandemic mandates and discussions of health and risk and public sentiment in MA: A Twitter analysis

John Torous, MD, MBI
BIDMC
jtorous@bidmc.harvard.edu
http://www.johntorousmd.com/

Students Mentored

Mirja Mittermaier, 2022 "Digital phenotyping in COPD patients – implementation of a LAMP app-ased prototype"

Malte Schmieding, 2023 Keeping app to date: using natural language processing to sound out how frequently mobile mental health applications require re-evaluation

Jonathan Hron, MD
BCH
jonathan.hron@childrens.harvard.edu
http://www.childrenshospital.org/directory/physicians/h/jonathan-hron

Colby Uptegraft, 2020 "Digitizing U.S. Air Force Medical Standards for the Creation of a Readiness Decision Support System"

Peter Hong, 2021 "Prevalence and Risk Factors for Post-operative Fever Following Admission for Pediatric Elective Surgery"

Julia Yarahuan, 2023 "Automated Algorithm to Assess Guideline Concordance of Antibiotic Selection"

JP Onnela, PhD
HSPH
onnela@hsph.harvard.edu
https://www.hsph.harvard.edu/onnela-lab/

Students Mentored

John Torous, 2018 "Using Patients' Personal Smartphones to Inform Risk of Relapse in Schizophrenia: An Exploratory Pilot Study"

Kenneth Mandl, MD, MPH
BCH
kenneth.mandl@childrens.harvard.edu
http://www.childrenshospital.org/research/researchers/m/kenneth-mandl

Students Mentored

Jonathan Levin, 2020 "Identifying Phenotypes and Outcomes in Children Born Preterm using large claims data"

Parker Bannister, 2021 "Assessing the Prospective Utility of Flat FHIR as a Scalable Standard for Bulk Analysis of Patient-Reported Outcomes"

Amy Zipursky, 2023 " Detecting Symptoms of COVID-19 in Pediatric Emergency Department Patients using Clinical Notes"

Kun-Hsing Yu, MD, PhD
DBMI
Kun-Hsing_Yu@hms.harvard.edu
https://khyulab.github.io/

Students Mentored

Eliana Marostica, 2020 "Unraveling Renal Cell Carcinoma Subtypes and Prognoses by Integrative Histopathology-Genomics Analysis"

Essakalli Houssaini Leina, 2021 "Multi-modality Data Analyses for Serous Ovarian Cancer"

Lu Chenyue, 2021 "Leveraging Convolutional Neural Networks Towards Glioblastoma Multiforme (GBM) Histopathology Annotations"

Liza Mathews, 2023 " Improving Glioblastoma Pathology Segmentation using Uncertainty-Aware Methods"

Larry Nathanson
BIDMC
lnathans@bidmc.harvard.edu
http://informatics.bidmc.org/people/larry-nathanson

Students Mentored

Andrew Marshall, 2021 "EMERG: A Framework for Interoperable Emergency Department Implementation of Patient Centered Health Information Exchange"

Leo Celi
HSPH/MIT
lceli@mit.edu
https://lcp.mit.edu/

Students Mentored

Jiazi Tian, 2023 "Estimate Survival Time From MIMIC Chest X-Rays"

Li Zhou, MD, PhD
BWH
lzhou@bwh.harvard.edu
http://mterms.bwh.harvard.edu/our-team/

Students Mentored

Sunny Mahesh, 2020 "Natural Language Processing to Improve Feature Selection and Temporal Relationship Identification for Pharmacoepidemiology Studies"

Zhang Qi, 2021 "Using Natural Language Processing to Identify COVID-19 and Hydroxychloroquine Related Topics in Social Media"

Lanting Li, 2022 "Development and Evalutation of a Prototype of Redesigned Drug Allergy Alerting Mechanisms"

Daniel Tan, 2022 "Survival Analysis of Mechanically Ventilated COVID-19 ARDS Patient Using Dynamic Device Data"

Shijia Zhang, 2022 "Development of Machine Learning Model to Identify Cases with Drug Rash with Eosinophilia and Systemic Symptoms (DRESS) Syndrome Using Electronic Health Records Clinical Notes"

Feng Chen, 2023 "Missingness and Bias Handling in the Task of Mortality Prediction for Acute Respiratory Distress Syndrome"

Ivan Gu, 2023 "Mortality prediction in the intensive care unit, a not so deep learning approach"

Yining Hua, 2023 "Deriving colloquial medical lexicons from social media using named entity recognition and normalization"

Woo Jeong, 2023 "Model Interpretability and User Interface Design of Tool for Palliative Care"

Claire Jiang, 2023 "Bias and Fairness in Healthcare Artificial Intelligence Research Using Electronic Health Records: A Systematic Review"

Yifan Wang, 2023 "The Correlation between Multilingual/Monolingual and the Onset Age of Cognitive Decline and Mild Cognitive Impairment"

Ziqi Wang, 2023 "Neurological and Neurocognitive Post-acute Sequelae of COVID-19 (PASC): Lexicon Extension Using Pre-trained Word Embeddings"

Richard Yang, 2023 "Antecedent Risk Factors Associated with Incidental Cognitive Decline in An Aging Cohort in Electronic Health Records"

Farah Dadabhoy, 2023 "Application of Machine Learning Model to Predict Post Emergency Department Discharge Follow-up Adherence"

Louis Vernacchio, MD, MSc
BCH
louis.vernacchio@childrens.harvard.edu
https://www.childrenshospital.org/directory/louis-vernacchio

Students Mentored

Lily Payvandi, 2022 "Telehealth Antibiotic Prescribing for Children through the COVID-19 Pandemic"

Maha Farhat, MD, MSc
DBMI
Maha_Farhat@hms.harvard.edu
https://scholar.harvard.edu/mahafarhat

Students Mentored

Avika Dixit, 2018 “Genotypic clustering does not imply recent tuberculosis transmission in a high prevalence setting: A genomic epidemiology study in Lima, Peru”

Chang Ho Yoon, 2020 “A convolutional deep neural network to predict antimicrobial resistance in Mycobacterium tuberculosis: increasing interpretability through genomic saliency maps”

Jessica El Halabi, 2020 “Clostridioides difficile Disease among privately insured patients in the United States.”

Ruojun Wang, 2020 “Alteration of skin microbiome in patients with acne and rosacea”

Zhang Yu, 2021 "Mining gene expression profiles: transcriptomic signatures as M. tuberculosis drug resistance markers"

Aishwarya Chander, 2023 "TB, or not TB: Understanding Tuberculosis Risk in Close Contacts"

Marinka Zitnik, PhD
DBMI
marinka@hms.harvard.edu
https://zitniklab.hms.harvard.edu/

Students Mentored

Jingyi Liu, 2021 "Discovery of disease-drug off-label indication based on network representation learning"

Yujie Shao, 2021 "Representation learning on heterogeneous graph for potential contraindications discovery"

Stone Chen, 2021 "Hyperbolic Representation Learning for Gene Ontology"

Kathleen Sucipto, 2021 "Denoising Biological Networks with Graph Neural Networks"

Man Qing Liang, 2022 “Curating and Extracting Dose-Dependent Side Effects from Adverse Event Reports”

Michelle Zhang, 2023 “Prediction of Melanoma Patient Response to Immunotherapy using Graph Neural Network”

Mark Fleming, MD, DPhil
BCH
mark.fleming@childrens.harvard.edu
https://www.childrenshospital.org/research/researchers/mark-daniel-fleming
Requires co-mentor

Students Mentored

Chang Cao, 2023 "Investigating the Molecular Mechanism and Regulation of Placental Iron Transport Using Novel Mouse Models"

Marvin Harper, MD
BCH
Marvin.Harper@childrens.harvard.edu
http://www.childrenshospital.org/directory/physicians/h/marvin-harper

Students Mentored

Joshua Herigon, 2020 "Using natural language processing to optimize case ascertainment of acute otitis media in a large, state-wide pediatric practice network"

Mauricio Santillana, PhD
BCH
Mauricio.SantillanaGuzman@childrens.harvard.edu
https://www.childrenshospital.org/research/researchers/s/mauricio-santillana

Students Mentored

Paola Calvachi Prieto, 2021 "Forecasting and Disparities of Dengue Epidemics in Colombia: Outbreak's predictions using Google Trends and geographic analysis as determinants of differences between regions"

Michael J Hassett, MD, MPH
DFCI
michael_hassett@dfci.harvard.edu
https://connects.catalyst.harvard.edu/Profiles/display/Person/38427

Students Mentored

Vivek Upadhyay, 2021 "Real-World Analysis of Off-Label Use of Targeted Therapy in a Large Academic Medical Center Cohort"

Neil Martin, MD, MPH
BWH
nemartin@partners.org
https://physiciandirectory.brighamandwomens.org/details/35/neil-martin-cancer_-_radiation_oncology-radiation_oncology-boston
Requires co-mentor

Students Mentored

Ellen Kim, 2022 "Use of patient reported outcome (PRO) data to develop personalized patient decision aids (PDA) for patients with localized prostate cancer"

Nikhil Wagle, MD
DFCI
nwagle@partners.org
https://www.dfhcc.harvard.edu/insider/member-detail/member/nikhil-wagle-md/
Moved to industry, no longer eligible

Students Mentored

Undina Gisladottir, 2019 "Data-Driven Visualization of Personal Risks to Enable Shared Decision Making During Informed Consent of Surgical Patients"

Ziyi Hou, 2020 "Efficient Visual Summarization and Guided Exploration of Electronic Health Records"

Ariel Carmeli, 2022 "Time to Treatment Discontinuation in Hormone-Receptor-Positive (HR+) Metastatic Breast Cancer (MBC) Patients following CDK4/6 Inhibitor Treatment, Based on Observational Data Collected Through Patient-Partnered Research"

Nils Gehlenborg, PhD
DBMI
nils@hms.harvard.edu
http://gehlenborglab.org/

Students Mentored

Undina Gisladottir, 2019 "Data-Driven Visualization of Personal Risks to Enable Shared Decision Making During Informed Consent of Surgical Patients"

Ziyi Hou, 2020 "Efficient Visual Summarization and Guided Exploration of Electronic Health Records"

Pinar Eser, 2022 "CompariSig: Interactive and comparative visualization of single-base mutational signatures in cancer"

Thomas Smits, 2023 "Accessibility in Gosling through Automatic Generation of Descriptions"

Paul Avillach, MD, PhD
DBMI and BCH
Paul_Avillach@hms.harvard.edu
https://avillach-lab.hms.harvard.edu/

Students Mentored

Jumanah Alshenaifi, 2019 "Mapping the pleiotropy of autistic spectrum disorders in Simon Simplex Collection (SSC) through PheWAS"

Mitchell Flagg, 2021 "FHIRsight: Integrating Multisource Bulk FHIR Data for Population Health Analysis in PIC-SURE"

Peter Park, PhD
DBMI
peter_park@hms.harvard.edu
https://compbio.hms.harvard.edu/index

Students Mentored

Richard Yoo, 2021 "Interpretation of COVID-19 Test Results for Rapid Epidemic Analysis"

Benedikt Geiger, 2023 "Correlated Non-Negative Matrix Factorization for Mutational Signature Analysis"

Catherine Song, 2023 "Validation and analysis of the Clinical Genome Analysis Platform Bioinformatics Pipeline for De Novo and Heterozygous Variant Calling"

Nina Xiong, 2023 "Characterizing the Activity of Human Endogenous Retroviruses in Disease"

Peter Van Galen, PhD
BWH
pvangalen@bwh.harvard.edu
https://vangalenlab.bwh.harvard.edu/

Students Mentored

Adrienne Parsons, 2023 High-Dimensional Immunophenotyping to Parse Hematopoiesis Across Bone Marrow Specimens from a Clinical Cohort

Pratiti Bandopadhyay, MBBS, PhD
DFCI
Pratiti.Bandopadhayay@childrens.harvard.edu
https://bandolab.org/bandopadhayay/
Requires co-mentor

Students Mentored

Danny Jomaa, 2022 "Characterizing the Genetic Landscape of Adamantinomatous Craniopharyngioma"

Ramy Arnaout, MD, PhD
BIDMC
arnaout@alum.mit.edu
http://arnaoutlab.org/

Students Mentored

Harry Burke, 2019 Immune repertoire diversity with similarity

Roger Mark, MD, PhD
MIT
rgmark@mit.edu
https://lcp.mit.edu/People

Students Mentored

Chih-Ying Deng, 2019 Multi-label Classification of MIMIC-CXR reports using traditional neural network and transfer learning

Sandra McAllister, PhD
BWH
smcallister1@bwh.harvard.edu
https://mclab.bwh.harvard.edu/
Requires co-mentor

Students Mentored

Adrienne Parsons, 2023 High-Dimensional Immunophenotyping to Parse Hematopoiesis Across Bone Marrow Specimens from a Clinical Cohort

Shawn Murphy, MD, PhD
MGH, DBMI
murphy.shawn@mgh.harvard.edu
http://www.mghlcs.org/shawn-murphy

Students Mentored

Eric Yamga, 2020 "Screen and Scope phenotyping: an hybrid approach to electronic health record phenotyping using unsupervised machine learning and knowledge expertise using Heart Failure as a case study"

Zachary Strasser, 2021 "Association of a history of pneumonia with mortality for Coronavirus Disease 2019

Tiffany Tuedor, 2022 "Validating the use of electronic health record phenotyping, to identify sex-based disparities in post-viral disease diagnoses, using Myalgic Encephalomyelitis / Chronic Fatigue Syndrome (ME / CFS) as a case study"

Shirley Liu, PhD
DFCI
xsliu@ds.dfci.harvard.edu
https://liulab-dfci.github.io/
Moved to industry, no longer eligible

Students Mentored

Cheryl Wong, 2023 "TISMO: A database of syngeneic mouse tumor models for immune check-point blockade research"

Steven Horng, MD, MMSc
BIDMC
shorng@bidmc.harvard.edu
http://informatics.bidmc.org/people/steve-horng

Students Mentored

Chu-Yin Cheng, 2021 "Extracting valvular abnormalities from echocardiograms using weak labels and support vector machines"

Nathaniel Greenbaum, 2023 "Automated Detection of Protected Health Information in Echocardiographic Imaging"

Susan Redline, PhD, MPH
BWH
sredline1@rics.bwh.harvard.edu
https://physiciandirectory.brighamandwomens.org/details/675/susan-redline-cardiovascular_medicine-sleep_medicine-boston
Requires co-mentor

Students Mentored

Chu-Yin Cheng, 2021 "Extracting valvular abnormalities from echocardiograms using weak labels and support vector machines"

Tianxi Cai, ScD
HSPH
tcai@hsph.harvard.edu
https://www.hsph.harvard.edu/tianxi-cai/

Students Mentored

Sina Hartung, 2022 "Effect of imputation on survival analysis"

Luna Li, 2023 "Hyperbolic Temporal Embedding for Chronic Disease Progression Analysis Using EHRs Data"

Darcé Costello, 2023 "Alzheimer's disease detection in electronic medical records using high-throughput semi-supervised phenotyping"

William J Lane, MD, PhD
Brigham and Women's Hospital
wlane@partners.org
http://bwhpathology.partners.org/CV.aspx?pathologistName=WJL11
Requires co-mentor

Students Mentored

William Gordon, 2018 "A comparison of calculated Panel Reactive Antibody (cPRA) scores between a national population and a local platelet donor pool in patients undergoing hematopoietic stem-cell transplantation"

Yevgeniy Semenov, MD, MA
MGH
ysemenov@mgh.harvard.edu
https://semenovlab.org/

Students Mentored

Elmon Chen, 2023 "Prediction of Cutaneous Immune-Related Adverse Events using Electronic Health Records"

Elombe Calvert, 2023 "Application of a Validated Algorithm to Identify and Describe Contemporary Epidemiology and Treatment Patterns of Privately Insured Patients with Myasthenia Gravis in the US"

Yuri Quintana, PhD
BIDMC
Yquintan@bidmc.harvard.edu
https://scholar.harvard.edu/yuriquintana/home

Students Mentored

Mitchell Izower, 2022 "Developing a Validated Telehealth Patient Experience Survey Including Social Determinants of Health"

Jane Kim, 2022 "Parsable Clinical Trial Eligibility Criteria Representation Using Natural Language Processing"