DATA SCIENCE & HEALTH 2020

NOVEMBER 3, 2020
LIVE ON ZOOM // COMPANION MATERIAL ON CANVAS

UBC DEPARTMENT OF MEDICINE
CONTINUING PROFESSIONAL DEVELOPMENT EVENT
7.5 MOC1/Mainpro+ credits

bit.ly/DataScienceHealth
PROGRAM OVERVIEW
We are excited to welcome you to the UBC Department of Medicine's newest Continuing Professional Development course, focused on the intersection between Data Science and Health. As a result of attending this program you will be able to demonstrate an understanding of current data science concepts as related to health care research and delivery. The program will provide attendees fluency in data science terminology to enable engagement and collaboration with data scientists, as well as a practical roadmap for developing and executing data science research projects.

ACCREDITATION STATEMENT
The University of British Columbia Division of Continuing Professional Development (UBC CPD) is fully accredited by the Committee on Accreditation of Continuing Medical Education (CACME) to provide study credits for continuing medical education for physicians. This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and has been approved by UBC CPD for up to 7.5 MOC Section 1 Group Learning credits. This program meets the certification criteria of the College of Family Physicians of Canada and has been certified by UBC CPD for up to 7.5 Mainpro+ Group Learning credits. Each physician should claim only those credits accrued through participation in the activity.

SCIENTIFIC PLANNING COMMITTEE
Thalia Field, MD, MHSc, FRCPC
Associate Professor, Division of Neurology, UBC Department of Medicine

Kendall Ho, MD, FRCPC
Professor, UBC Department of Emergency Medicine

Marianne Ho-Asjoe, MD, CCFP
Family Physician

Rich Lester, MD, FRCPC
Associate Professor, Division of Infectious Diseases, UBC Department of Medicine

Anita Palepu, MD, MPH, FRCPC, MACP
Head, UBC Department of Medicine; Professor, Division of General Internal Medicine, UBC Department of Medicine

Tricia Tang, PhD, RPsych
Director, Experimental Medicine Graduate Program; Associate Professor, Division of Endocrinology & Metabolism, UBC Department of Medicine

Teresa Tsang, MD, FRCPC, FACC, FASE
Associate Head, Research, UBC Department of Medicine; Professor, Division of Cardiology, UBC Department of Medicine
PROGRAM DETAILS

PROGRAM STRUCTURE
In light of ongoing pandemic mitigation measures we have designed this course to be delivered virtually. Our shared experiences of virtual conferences to-date have shown that Zoom is an excellent tool for enabling vibrant discussions. To maximize the opportunities for interaction we have focused our live Zoom event on two keynote presentations, panel discussions with experts, and opportunities for participants to ask questions. All supporting lectures will be delivered through the online learning platform, Canvas, to allow self-paced learning and self-evaluation, as well as ongoing access to resources, discussion boards, and a community of learners. To build momentum in our community, and help the transition from learning about data science to doing data science, we have partnered with the Faculty of Applied Science to develop an ongoing workshop series focused on building collaborative research partnerships between clinicians and data scientists.

1 year online access to materials on Canvas

Nov 3 2020 Interactive discussions on Zoom

Winter 2020/21 Access to hands-on workshops with data scientists

Step 1
Learn all about data science from the ground up, and explore health research and delivery applications with UBC experts at your own pace on Canvas

Step 2
Bring your questions and join your peers for a quick review, expert panel discussions, breakout rooms, and keynotes, all live on Zoom

Step 3
Keep the momentum going by joining our workshop series. Partner with engineers to apply what you’ve learned and move your data science project forward.
**DR. DOUGLAS KINGSFORD**  
Chief Medical Information Officer, Executive Medical Director, Interior Health  
Co-chair, Information Privacy and Security Standing Committee.  
Dr. Kingsford is a primary care physician with extensive experience with software engineering, primarily in clinical informatics. He sits on a number of committees, including Canada Health Infoway’s Digital Health Alliance Steering Committee, MIT Standing Committee, Health Informatics Standards Standing Committee, Health Authority Integration Steering Committee, Clinical Oversight Committee, EMR Working Group and the Joint Collaborative Committee IM/IT Clinical Advisory Working Group. His primary interests are in artificial intelligence, machine learning, interoperability, integrated care and workflow coordination.

**DR. HELIA MOHAMMEDI**  
National Healthcare Chief Data Scientist and Healthcare Lead, Microsoft Canada  
National AI Ambassador, Microsoft Canada AI Country Plan  
Board member, Digital Technology Supercluster  
Dr. Helia Mohammedi is a thought leader in the research and healthcare industry. With over 14 years’ experience in research and applied AI, her work has leveraged and extended Machine Learning and Cloud solutions to deeply influence key domains including predictive analytics, genomics research, and precision medicine. Dr. Mohammedi has been pivotal in spearheading Canadian Healthcare digital transformation and AI adoption strategy. Her passion includes empowering the healthcare and research community to positively affect quality of life for patients and medical professionals.
OPENING AND CLOSING
SPAKER BIOGRAPHIES

DEAN DERMOT KELLEHER
Dean, Faculty of Medicine, UBC
Vice-President, Health, UBC
Professor, Department of Medicine, UBC
Dr. Kelleher brings significant experience to his role as Dean of the Faculty of Medicine, and is recognized internationally for innovation in academic health leadership and administration, clinical care, research and education. Author of 300 publications and 14 patents, Dr. Kelleher’s research examines the immune response to many of the leading causes of gastrointestinal infectious disease worldwide. With a strong commitment to innovation and collaboration, Dr. Kelleher has worked to found several companies supporting both translational developments in biomedical science and fostering collaboration in biomedical research in both Dublin and London.

DR. ANITA PALEPU
Head, Department of Medicine, UBC
Professor, Department of Medicine, Division of Internal Medicine, UBC
Physician Program Director, St. Paul’s Hospital Medicine Program
Dr. Anita Palepu is a renowned general internist who has been very actively involved in undergraduate and postgraduate education, and currently serves as the Head of the Department of Medicine. Dr. Palepu is recognized both nationally and internationally for her research work with marginalized populations such as injection drug users and persons with unstable housing. As a founding member of the UBC Department of Medicine Equity Committee, Dr. Palepu has played a major role in the development of equity guidelines for the Department. She has educated Department members including senior leadership on equity, and has implemented important events and programs that promote and foster equity in the Department.

PROFESSOR SANTA ONO
President, Vice-Chancellor, UBC
Chair, U15 Group of Universities
Board of Directors, Universities Canada
Along with being the current President of the University of British Columbia, Santa Ono is a molecular immunologist educated at the University of Chicago and McGill, Dr. Ono has taught at Johns Hopkins, Harvard University and University College London. He has advised national and regional governments on higher education and mental health. He has also advised companies such as GSK, Johnson & Johnson, Merck and Novartis on R&D. He has served on a number of editorial boards, including Immunology, The Journal of Biological Chemistry, The Journal of Immunology and The Journal of Allergy & Clinical Immunology.
MODERATOR BIOGRAPHIES

**DR. DENISE DALEY**  
Associate Professor, Department of Medicine, UBC  
Canada Research Chair, Genetic Epidemiology of Common Complex Diseases  
Dr. Denise Daley is utilizing cutting-edge statistical, epigenetic, and bioinformatic techniques to obtain a better understanding of how inherited genetic variants and environmental exposures interact to modify the risk for developing disease. Her overall research goal is to better understand the etiology of disease and the modifiable environmental risk factors to identify individuals who are at the greatest risk and develop biomarkers and public health interventions. Dr. Daley’s interests are in the study of complex diseases such as cancer, asthma, and heart disease, with a focus on gene-gene and gene-environment interactions.

**DR. RICHARD HARRIGAN**  
Director, Research Laboratories, BC Centre for Excellence in HIV/AIDS.  
Professor, Department of Medicine, Division of AIDS, UBC  
Dr. Harrigan’s work is dedicated to improving the health of British Columbians who are living with HIV through the development, ongoing monitoring, and dissemination of comprehensive research and treatment programs for HIV and related diseases. For more than two decades, Dr. Harrigan has contributed to our understanding of antiviral drug efficacy and resistance, as well as the human and viral parameters that influence HIV disease progression. His lab has developed and distributed software for improved automated analysis of HIV drug resistance (“ReCall”), which is now being used worldwide. His research interests include: Drug Resistance, Genotyping, Automated Sequencing, Drug Development, and Clinical Trials.

**DR. SHANNON KOLIND**  
Associate Professor, Department of Medicine, Division of Neurology, UBC  
Co-Director, MS/MRI Research Group, UBC  
Dr. Kolind specialized in developing new methods to image myelin in the brain and spinal cord and making these techniques more practical for use in research. Her labwork is focused on developing a toolbox of tissue-specific imaging techniques. Her multi-disciplinary team employs these multi-modal tools to achieving greater sensitivity and specificity in clinical research; particularly for clinical trials of new therapies.

**DR. ALAN RABINOWITZ**  
Co-founder, Chief Medical Officer, and Director, PHEMI  
Associate Professor, Department of Medicine, Division of Cardiology, UBC  
Dr. Rabinowitz serves as a consultant to numerous medical institutions and organizations globally on medical innovation and system improvement, and has initiated and facilitated multiple international physician educational and practice exchanges. In his former capacity as Director of the Coronary Care Unit at St Paul’s Hospital, Dr. Rabinowitz recognized the critical importance of disruptive data solutions in transforming healthcare to enhance patient care, research and innovation, and achieve sustainability of the healthcare ecosystem. This drove him to co-found PHEMI.
DR. THALIA FIELD
Associate Professor, Department of Medicine, Division of Neurology, UBC
Postgraduate Fellowship Program Director, Vancouver Stroke Program
Dr. Field's primary research interest is diagnosis and therapy of small vessel disease. She has a particular interest in process improvement in clinical trials, which includes optimizing strategies for participant recruitment and retention, investigating strategies for efficient use of resources, and selecting outcomes that are of relevance to patients. She is also investigating the role of technology in meeting these challenges, including the use of telemedicine for remote recruitment and assessment of study participants.

DR. MIKE GELBART
Assistant Professor, Department of Computer Science, UBC
Option Co-Director, Master of Data Science, UBC
Dr. Mike Gelbart helped design the first Master of Data Science at UBC. He studied physics as an undergraduate student at Princeton University, worked on research projects in biophysics. In graduate school, he switched fields to computer science and received his PhD from the machine learning group at Harvard University.

DR. DIANE GUTIW
Vice President of Analytics, CGI
Chair, Health Analytic Community for Canada Health Infoway
Visiting Professor, Simon Fraser University
Dr. Diane Gutiw is responsible for supporting Canadian clients related to advanced data science analytics. She has published on the effectiveness and return on investment of data driven decision making. Her interests include data science engagements related to predictive modeling for revenue optimization, geospatial modeling and designing strategies for enterprise analytic programs.

DR. KENDALL HO
Professor, Department of Emergency Medicine, UBC
Director, UBC eHealth Strategy Office
Dr. Kendall Ho’s research area is in eHealth – the innovative application and evaluation of modern information and communication technologies in health research, education, and health practice. Examples of his research initiatives include the use of biosensors, social media and text messaging and the development of the next generation of wearable sensors.
SPEAKER BIOGRAPHIES

DR. EHSAN KARIM
Assistant Professor, School of Population and Public Health, UBC
Biostatistician, Centre for Health Evaluation and Outcome Sciences,
Michael Smith Foundation for Health Research Scholar
Dr. Ehsan Karim’s current research focuses on causal inference and real-world observational data analyses, in both cross-sectional and longitudinal settings; patient-oriented research; survival analysis & survey sampling methodologies; applications of machine learning approaches, big-data analytics and Bayesian methodologies in epidemiologic studies.

DR. RICHARD LESTER
Associate Professor, Department of Medicine, Div of Infectious Diseases, UBC
Director, Neglected Global Diseases Initiative (NGDI)
Scientific and Executive Director, WelTel International mHealth Society
Dr. Richard Lester is the founder of a non-profit organization and Grand Challenges Canada $1M award winner for transitioning the mHealth service to scale in remote Kenya. Dr. Lester continues to conduct studies internationally in Kenya, Canada, and the United States, has consulted on mHealth innovations with the World Health Organization, and is a CIHR Foundation Scheme recipient and Michael Smith Foundation for Health Research Scholar.

DR. EVGUENI LOUKIPOUDIS
CTO, Canada’s Digital Technology Supercluster
Before joining the Supercluster, Dr. Evgueni Loukipoudis was the CTO of McKesson Medical Imaging and then Change Healthcare. Prior to this, as a senior leader in Agfa Healthcare he co-led the digital transformation of that corporation. Evgueni has also been part of technology start-ups and participated in several open industry-wide and standardization initiatives. He holds an MSc in Mathematics and a PhD in Computer Science from the University of Sofia, Bulgaria. His interests include digital health, knowledge representation, linked open data and machine learning.

DR. MARCO MARRA
Professor, Department of Medical Genetics, UBC
UBC Canada Research Chair, Genome Science
Director, BC Cancer Genome Sciences Centre (GSC)
Dr. Marco Marra was trained as a geneticist and has been instrumental in bringing genome science to Canada, working across diverse programs of research that have addressed pressing problems and key opportunities of relevance to Canada and Canadians. His interests include conducting large-scale, high-throughput genomics projects with the aim of comprehensive identification of the genetic changes that drive cancer.
**DR. KIMBERLY MCGRAIL**
Professor, School of Population and Public Health, UBC  
Director of Research, UBC Health  
Scientific Director, Population Data BC  
Health Data Research Network Canada  
Dr. Kimberlyn McGrail is Deputy Editor of the International Journal of Population Data Science, the 2009-10 Commonwealth Fund Harkness Associate in Health Care Policy and Practice, 2017 recipient of a UBC award for Excellence in Clinical or Applied Research, and in 2019-2020 participated as a member of the Canadian Institute for Advanced Research Task Force on AI4Health. Her research interests are quantitative policy evaluation and all aspects of population data science. Kim

**DR. FIRAS MOOSVI**
Professor, Departments of Computer Science, Mathematics, Physics, and Statistics, UBC Okanagan  
Dr. Firas Moosvi received his PhD in Physics from the Reinsberg lab in 2019 where among other things, he got interested in data science, learning analytics, and science communication that led him to learn more about statistical techniques such as ICA, and data visualization using interactive dashboards. His interests include: Magnetic Resonance Imaging; Tumour biology and physics; Data visualization and science communication; Learning analytics; and Scholarship of Teaching and Learning

**DR. RAYMOND NG**
Co-founder, Masters of Data Science, UBC  
Professor, Computer Science, UBC  
Director, Data Science Institute  
Raymond Ng is the part-time Chief Informatics Officer of the PROOF Centre of Excellence for the Prevention of organ failures, based at St Paul's Hospital. Since 2016, he has been the holder of the Canadian Research Chair on Data Science and Analytics. His research areas are data mining, text mining, health informatics, sensor analytics and data bases, with a focus on genomics data and text data.

**DR. GITTA OLDENDORFF**
Managing Director, Population Data BC  
Dr. Gitta Oldendorff hold a PhD in Political Science from the University of Hamburg. Having held senior positions at the Michael Smith Foundation for Health Research, the City of Vancouver and ICBC, Dr. Oldendorff brings a wealth of experience in stakeholder relations, leadership, planning and customer-focus to the role of Managing Director at PopData BC.
SPEAKER BIOGRAPHIES

**DR. MARYAM SADEGHI**  
CEO and Co-Founder, MetaOptima Technology  
MITACS Research Council member  
Dr. Maryam Sadeghi’s company MetaOptima is where MoleScope and DermEngine were developed for intelligent skin analytics, imaging, and management. She was director of the Digital Health Hub (Innovation Boulevard), credited as one of BC’s most influential women in BC Business Magazine, and her company was listed as a “Ready to Rocket” business in the area of digital health. Since its development, MetaOptima has become one of the fastest growing digital health technology companies in Canada and continues to strive to empower physicians and patients for better care outcomes.

**DR. ALINE TALHOUK**  
Assistant Professor, Department of Obstetrics & Gynecology, UBC  
Director, Data Science and Informatics, OVCARE  
Dr. Talhouk’s work includes developing and implementing predictive models to improve patient care in women’s health and oncology, as well as the ethics of data sharing and privacy in the era of digital health and AI modeling. One of Dr. Talhouk current research areas includes the ethical use of innovative tools in digital health and informatics, including mobile health data and data from wearables.

**DR. ROGER TAM**  
Associate Professor, Department of Radiology, UBC  
Member, MS/MRI Research Group, Division of Neurology, UBC  
Dr. Roger Tam’s research interests are centred on the application of computer vision and machine learning methods to the quantitative analysis of medical images. The laboratory’s current primary research direction is the use of magnetic resonance images to improve the understanding of neurological disorders such as multiple sclerosis. His interests include: Biomedical Engineering, Machine Learning, Medical Image Analysis, and Computer-Assisted Surgery.

**DR. TIFFANY TIMBERS**  
Assistant Professor, Department of Statistics, UBC  
Co-Director, Master of Data Science, UBC  
Dr. Tiffany Timbers teaches and develops curriculum around the responsible application of Data Science to solve real-world problems. One of her favourite courses she teaches is a graduate course on collaborative software development, which focuses on teaching how to create R and Python packages using modern tools and workflows. Her interests include: Data Science, Reproducibility, Workflows, and Data Visualization.
**DR. TIBOR VAN ROOJI**  
Lead, Digital Health, BC Children's Hospital Research Institute  
Dr. Van Rooij has a PhD in Pharmaceutical Sciences from the University of Alberta and focuses on Digital Health Innovations in eHealth, mHealth, and Clinical Decision Support. His experience in research includes working in the hospital and health care industry, as well as bioinformatics. His interests include bioinformatics, genetics, and molecular biology.

**DR. TERESA TSANG**  
Director, Echocardiography, Vancouver General and UBC Hospital  
Associate Head of Research, Department of Medicine, UBC  
Dr. Tsang's research program is principally focused on physiologic and pathophysiologic aging of the cardiovascular system, and the prediction and prevention of adverse age-related cardiovascular events, including atrial fibrillation heart failure, stroke, and cognitive dysfunction. Her interests include: Cardiology, Data Fusion, Echocardiography, Feature Extraction, Image Classification, Image Registration, Image Segmentation, Machine Learning, Quality Assurance, and Ultrasound.
0// **WELCOME + PERSPECTIVES**  
**PRESIDENT SANTA ONO**  
The intersection of data science and health, tech, and society, and how UBC is shaping this new paradigm.

1// **DATA SCIENCE: WHAT IS IT?**  
**Dr. Raymond Ng, Director of Data Science Institute/Founder MDS +**  
**Dr. Ehsan Karim, Professor and Data Scientist, School of Population and Public Health, UBC**  
**Basics of Data Science**  
Introduction and broad overview, terminology, impact, and applications in health research and clinical care.  
- Artificial Intelligence  
- Machine Learning  
- Deep Learning  
- Natural Language/Signal/Image Processing  
- Algorithms

2// **DATA SCIENCE: HOW DO YOU DO IT?**  
**Dr. Tiffany Timbers, Professor, MDS, UBC**  
**Dr. Mike Gelbart, Professor, MDS, UBC**  
**Basics of Statistics**  
**Basics of Programming**  
- Orientation to R and Python  
- Data structures  
- Iteration  
- Flow control  
- Program design relevant to data exploration and analysis  
**Algorithms and Data Structures:**  
- How to choose appropriate approaches to solve data science problems  
**Accessing Computing Resources:**  
- Compute Canada, UBC ARC Sockeye, UBC Cloud Innovation Centre

3// **DATA SCIENCE: HOW DO YOU SPEAK THE LANGUAGE?**  
**Dr. Firas Moosvi, Professor MDS, UBC**  
**Learn how data scientists**  
- Present and interpret data science findings  
- Write, speak, and think, so you can build effective collaborations

4// **DATA SCIENCE: HOW DO YOU USE IT IN HEALTH RESEARCH?**  
**Applications in Cognition**  
**Dr. Thalia Field, Division of Neurology, Department of Medicine, UBC**  
**Artificial Intelligence in Echocardiology**  
**Dr. Teresa Tsang, Division of Cardiology, Department of Medicine, UBC**  
**MS, MRI, and Deep Learning**  
**Dr. Roger Tam, Department of Radiology, UBC**  
**Emergency Medicine and Digital Health**  
**Dr. Kendall Ho, Department of Emergency Medicine, UBC**  
**Applications in Personalized Oncogenomics**  
**Dr. Marco Marra, Department of Medical Genetics, UBC

5// **DATA SCIENCE: HEALTH RESEARCH AND INNOVATION**  
**Digital Innovation Science: Funding Strategies and Partnership Opportunities**  
**Dr. Tibor van Rooij**  
**WelTel: A Case Study in Innovation**  
**Dr. Richard Lester**  
**MetaOptima: A Case Study in Innovation**  
**Dr. Maryam SAdeghi**  
**BC Digital Supercluster: Funding, Partnership, and Innovation**  
**Dr. Evgueni Loukipoudis

6// **DATA SCIENCE: HEALTH CARE MANAGEMENT AND DELIVERY**  
**Federated Learning: Privacy in the Era of Big Data and Artificial Intelligence**  
**Dr. AlineTalhouk**  
**The Role of Data Analytics in Health Care: Perspectives and Future Directions**  
**Dr. Diane Gutw**  
**PopData BC: Leveraging Administrative Data for Health Research**  
**Dr. Kim McGrail
11:45 AM  ZOOM REGISTRATION BEGINS

12:00 PM  OPENING REMARKS
Dr. Anita Palepu, Head, UBC Department of Medicine

12:05 PM  KEYNOTE + DISCUSSION: MOVING RESEARCH TO THE BEDSIDE
Dr. Douglas Kingsford
Chief Medical Informatics Officer, BC Ministry of Health
Moderator: Dr. Anita Palepu

12:30 PM  DATA SCIENCE BASICS REVIEW
Highlights of topics covered in depth on Canvas
Moderator: Dr. Denise Daley

12:40 PM  Q&A WITH PANEL DISCUSSION
Dr. Raymond Ng, Director of Data Science Institute/Founder MDS +
Dr. Ehsan Karim, Professor and Data Scientist, School of Population and Public Health, UBC +
Dr. Tiffany Timbers, Professor, MDS, UBC
Dr. Mike Gelbart, Professor, MDS, UBC
Dr. Firas Moosvi, Professor MDS, UBC
AMA with UBC experts
Join our moderated discussion and ask your data science-related questions

1:00 PM  APPLICATIONS IN HEALTH REVIEW
Highlights of topics covered in depth on Canvas
Moderator: Dr. Shannon Kolind

1:10 PM  Q&A WITH PANEL DISCUSSION
Dr. Thalia Field, Division of Neurology, Department of Medicine, UBC
Dr. Teresa Tsang, Division of Cardiology, Department of Medicine, UBC
Dr. Roger Tam, Department of Radiology, UBC
Dr. Kendall Ho, Department of Emergency Medicine, UBC
Dr. Marco Marra, Department of Medical Genetics, UBC
AMA with UBC experts
Join our moderated discussion and ask your applications related questions

01:30 PM  ZOOM BREAK

01:45 PM  BREAKOUT SESSIONS

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02:30 PM  KEYNOTE + DISCUSSION: AI, ANALYTICS & BIG DATA IN HEALTHCARE
Dr. Helia Mohammed
Chief Data Scientist, Canadian National Healthcare, Microsoft
Moderator: Dr. Richard Harrigan

02:55 PM  CONCLUDING REMARKS
Dean Dermot Kelleher
What data science means for research, education, and clinical care in the UBC Faculty of Medicine.
DATA SCIENCE AND HEALTH WORKSHOP SERIES

NOVEMBER 30, 2020
10:00 AM - 11:30 AM
Online
REGISTER HERE

ENGINEERING PERSPECTIVES
This workshop will cover the basics of AI and its potential and limitations to address clinical problems. We'll cover necessary inputs and feasible outcomes, while clarifying what AI can and can't do. You'll leave this workshop with an understanding of AI's capabilities and limitations and what's required to collaborate on an AI project.

The workshop will include:
- An introduction to AI - review the basics
- Case studies of successful projects between clinicians and engineers
- An opportunity to engage with AI experts to evaluate potential projects

Our workshop aims to provide a mutual understanding for both clinicians and engineers, while building a community to actively support collaboration and matching.

For more information, visit: https://bmiai.ubc.ca/data-science-and-health-workshop-series

STAY TUNED FOR MORE INFORMATION ON:

JANUARY 2021
CLINICAL PERSPECTIVES
Share the clinical challenges you face and get insight on potential data science solutions from a team of engineers focused on health applications.

JANUARY - JUNE 2021
MONTHLY WORKSHOPS
Clinicians will be matched with engineers to develop data science solutions to health care challenges. Monthly meetings with mentors and peers will help keep projects on track, enable knowledge sharing, and build collaborative links between our health care and engineering communities.
THANK YOU TO OUR SPONSORS

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PHILIPS

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