Director, Dr. Belinda Borrelli
Co-directors, Dr. Lisa Quintiliani & Dr. Tibor Palfai
Visit their events page for details: http://sites.bu.edu/mearc/events/

ARCs Path to Community Engagement: Creating Cross-Campus Connections
Dr. Rebecca Lobb, Assistant Director of Community Engagement at the BU CTSI Center of Excellence in Women's Health, facilitated discussions with ARC Directors this Spring to introduce CE training and networking to increase awareness and CE approaches among basic scientists. Currently, there are active discussions around the topics of health disparities, health equity and women's health.

ARC Directors may contact Rebecca directly at Rebecca.Lobb@bmc.org

Community Engagement opportunity:
Biomedical Bridge Builders Initiative
Check out this collaborative program between the CTSI and BU Biomedical Engineering Boston University School of Medicine part of the American Heart Association's new focused research network devoted to addressing disparities that intersect heart disease & cancer

Cancer-Associated Thromboembolism as Affected by Health Disparities (CAT-HD) at Boston University School of Medicine

For your calendar: March 28, 2024; Research Retreat
https://www.bumc.bu.edu/evanscenteribr/2023/10/23/researchers-forum-research-retreat/

Research Retreat organized by the DoM Researchers Forum | 10a-3p | 655 Commonwealth Ave | Computer & Data Sciences Center | All DoM faculty are invited (basic/translational/clinical investigators)

Department of Medicine Researchers Forum (RF) Initiated in 2022 by the Evans Center for Interdisciplinary Biomedical Research; RF Co-directors: Drs. Karen Jacobson, George Murphy & Francesca Seta and mentored by Drs. Katya Ravid & David Salant - Admin. Assistant to the RF: Robin MacDonald

Watch our announcements for upcoming other events as posted on our website

The Evans Center for IBR, in collaboration with OTD and the CTSI is pleased to announce the 2023-2024 Inaugural Biomedical Innovation and Technology ARC (BIT-ARC)

“Developing an artificial intelligence digital pathology diagnostic tool for proteinuric kidney disease”

Directors: Drs. Weining Lu* (primary contact), Chao Zhang, Joel Henderson, William Tomlinson, and Vijaya Kolachalama

A new round of solicitation of applications will be announced in late 2024
A spot-light on Alzheimer Disease Research ARCs and Faculty

Congratulations! on Recent Recognitions

Precision Medicine ARC Program

Dr. Rhoda Au

Receives Melvin R. Goodes Prize for Excellence in Alzheimer’s Drug Development

Dr. Carmela Abraham

Prof Emerita, Carmela Abraham, a creative member of an ARC led by Dr. Lindsay Farrer, and a widely recognized expert in Alzheimer Disease Research, was welcomed by Advantage Therapeutivs Inc. as its Chief Scientific Officer.

Dr. Lindsay Farrer

Recently awarded a $13.7 million grant from NIH, this team is using whole genome sequencing and other approaches to identify genetic factors for Alzheimer’s disease in Jews currently living in Israel — who trace their ancestors to southern Spain and locations in the Middle East and North Africa (MENA) and Arab citizens of Israel.

Dr. Vijaya Kolachalama

Won the Publication of the Year award at AAIC 2023 for this publication:

Qiu et.al., Nat Commun. 2022 20;13(1):3404

Multimodal machine learning for dementia
ARC collaboration with 10+ members

Listen to their Podcast on neurologicalresearch:

A new Alzheimer’s monoclonal antibody treatment shows promising results: ‘Hopefully more effective approach’  
Lindsay A. Farrer, PhD

Congratulations
Drs. D. Salant and K. Ravid introduced the Inaugural David Coleman Prize winner, Dr. Anica Law
“Determining Destinies: Understanding and Shaping Outcomes of Critical Illness”

David L. Coleman
Emeritus Professor of Medicine

### 2023/2024 ARCs

1. **Musculoskeletal Health (MHet) ARC** / Directors: Paola Divieti Pajevic, David Felson, LaDora Thompson
2. **Tuberculosis Interdisciplinary Approach to Research Alliance (TIARA) ARC** / Directors: Karen Jacobson, Charles Horsburgh, Laura White
3. **Respiratory Viruses: A Focus on COVID-19** / Director: Markus Bosmann; Co-Director: Mohsan Saeed
4. **A Multi-Disciplinary Program to Identify Predictors of Efficacy and Resistance to Cancer Checkpoint Inhibition (PIPER-C ARC)** / Co-Directors: Matt Kulke, Evan Johnson, David Sherr, Gerald Denis
5. **Mobile and Electronic (ME)-Health ARC Program** / Director: Belinda Borrelli; co-Directors: Joanne Murabito, Daniel Fulford
6. **Precision Medicine for Alzheimer Disease and Related Disorders ARC Program** / Co-Directors: Lindsay Farrer, Rhonda Au, Alice Cronin-Golomb
7. **Thrombosis and Hemostasis ARC Program** / Co-Directors: Vipul Chitalia, Katya Ravid, Jean Francis
8. **Fibrosis ARC Program: Connecting Tissues and Investigators** / Co-Directors: Bob Varelas, Maria Trojanowska, Irving Bigio

### New Pre-ARC in development

**Pre-ARC on Bridging Basic and Clinical Science to Reduce the Harms and Consequences of Persistent or Risky Substance Use (SUD Pre-ARC)** / co-Leaders: Alexander Walley, General Internal Medicine; Kathleen Kantak, Psychological and Brain Sciences; Venetia Zachariou, Pharmacology & Experimental Therapeutics, Physiology & Biophysics

Stemming from the opportunity to foster collaboration among the continuum of nationally recognized clinical and basic science researchers from various schools and departments across Boston University campuses and geared towards understanding the persistent or risky use of addictive substances (i.e., alcohol or other licit and illicit substances), faculty teams are forming around resources from the Brain Tissue Repository, the Animal Science Center Breeding Programs, and existing clinical human cohorts, data, and sample repositories.

**Interested Faculty please contact the pre-ARC leaders and/or Robin MacDonald [remac@bu.edu]**
**Representative ARCs’ Recent Discoveries**

**Tuberculosis Interdisciplinary Approach to Research Alliance (TIARA) ARC:**

**Musculoskeletal Health (MHet) ARC:**

**PIPER-C ARC:**

**COVID-19 ARC Program:**

**Fibrosis ARC Program:**

**Precision Medicine ARC Program:**
**Zhang X**, …. **Au R**, **Farrer LA**. Midlife measures of high-density lipoprotein and fasting glucose are associated with late-onset Alzheimer disease. Alzheimer Dement. 2023; 19:181-193. PMID: 35319157

**ME-health ARC Program:**

**Thrombosis ARC Program:**

**Leaders of the Thrombosis ARC and of the AHA-funded center CAT-HD** Cancer-Associated Thromboembolism as affected by Health Disparities are hosting an AHA Strategically Focused Research Network Meeting at Boston University on May 14, 2024 ( 8am to 4pm; 650 Albany St. building X-714). For research or logistic details contact Dr. Katya Ravid or Robin MacDonald.
Visit our web sites
Address inquiries related to logistics to: Robin MacDonald, at remac@bu.edu