

Evans Center ARC Seminars, Symposia, Special Events

ARCs during April 1, 2017-March 31, 2018

Mobile and Electronic Health (ME-Health), Director, Dr. Belinda Borrelli (belindab@bu.edu),
Co-Directors, Drs. Lisa Quintiliani and Tibor Palfai

Systems Biology Approaches to Microbiome Research, Co-Directors, Drs. Daniel Segrè
(dsegre@bu.edu) and Evan Johnson

Precision Medicine for Alzheimer Disease and Related Disorders, Co-Directors, Drs. Rhoda Au (rhodaau@bu.edu), Alice Cronin-Golomb and Lindsay Farrer

Etiology and Pathogenesis of Oral Cancer (EPOC), Co- Directors, Drs. Maria Kukuruzinska
(mkukuruz@bu.edu), Avrum Spira and Maria Trojanowska

Thrombosis to Hemostasis in Health and Disease, Co-Directors, Drs. Vipul Chitalia
(vichital@bu.edu), Jean Francis and Katya Ravid

Preserving Child Health and Preventing Unhealthy Aging: The PneumoniARC, Director, Dr. Jay Mizgerd (jmizgerd@bu.edu)

ARC Programs

Protein Trafficking and Neurodegenerative Disease, Director, Dr. Lindsay Farrer
(farrer@bu.edu)

Highlight of activities

May 30, 2017: Thrombosis to Hemostasis ARC, “Normalizing the Thrombosis Risk by Targeting Uremic Thrombosis Axis?”, Dr. Vipul Chitalia

July 11, 2017: TDRR, collaboration with Office of Technology and CTSI, R MacDonald presented Evans Center IBR and IBRO

October 3, 2017: Evans Center Seminar, “Insights Into Vascular Calcification Through the Study of Rare Disease”, Dr. Cynthia St. Hilaire, Asst Prof, Dept Medicine, Cardiology, Univ of Pittsburgh

November 2, 2017: 2nd Annual Mobile and Electronic Health Symposium

November 7, 2017: Systems Biology Approaches to Microbiome Research ARC, Special Seminar

November 8, 2017: Precision Medicine in Alzheimer Disease ARC, Special Seminar

November 15, 2017: Precision Medicine in Alzheimer Disease ARC, Museum of Science Lee and Nile Albright Annual Symposium “*Precision Medicine: Precision Health*”

December 6, 2017: Research on Tap, Connecting Tissues and Investigators: Fibrosis in health and disease – 13 presentations, this forum will present the Fibrosis preARC to inform and find potential collaborators

December 8, 2017: Microbiome ARC talk w KRavid, presentation to Biology Department – this forum will present the potential collaborations available across departments and campuses

January 8, 2018: Evans Center, Boston Nutrition Research Center and Endocrinology Grand Rounds, “How they Talk! Inter-organ Communication and Diabetes Pathogenesis”, Keynote speaker, Dr. Richard Bergman, Director, Cedars - Sinai Diabetes and Obesity Research Institute (DORI), Alfred Jay Firestein Chair in Diabetes Research, Cedars - Sinai Medical Center, Professor - in - Residence, Department of Medicine, University of California, Los Angeles

January 18, 2018: Tissue Fibrosis: Connecting Tissues and Investigators, Introductions and Initial Meeting

February 14, 2018: Systems Biology Approaches to Microbiome Research ARC, Mini-Symposium, Microbiome Day

March 21, 2018: Environmental Toxicants, Initiative introduction, Drs. Jessica Fetterman, David Sherr and Stefano Monti

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Connecting Tissues and Investigators (Fibrosis in Pathology), Co-Directors, Drs. Maria Trojanowska, Irving Bigio and Bob Carelas (xvarelas@bu.edu)

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**Protein Trafficking and Neurodegenerative Disease, Director, Dr. Lindsay Farrer
(farrer@bu.edu)**

Highlight of activities

April 10, 2018: BU/VA Cancer & Thrombosis mini-Symposium | 12:30p - 5:00p | seminar rooms X714&715 | 650 Albany St, 7th floor

May 7, 2018: State of the ARCs mini-Symposium | 2:00p - 5:00p | seminar rooms X714&715 | 650 Albany St, 7th floor

September 2018: Neurodegenerative Disease-Associated Cardiovascular Disease mini-symposium led by Drs. Victoria Bolotina and Benjamin Wolozin, hosted by BU IBRO/Evans Center IBR/MAS

January 23, 2019: Luncheon seminar by [Dan Lilly](#), Small Business Innovation SBIR Advisor, will provide an overview of the SBIR program, including information on the program's purpose, eligibility and sources of funding and ideas of what is necessary to succeed. | 11:30a - 1:00p | seminar room X714 | 650 Albany St, 7th floor | Hosted by Evans Center for IBR, IBRO and Office of Vice Chair for Research

February 6, 2019: BU Data Science (BUDS) Day | 8:30a - 5:30p | Trustee Ballroom, Metcalf Trustee Center | 1 Silber Way, 9th floor | <http://www.bu.edu/datascience/buds2019/>

February 26, 2019: Environmental Toxicants Program-in-discussion, Mini-Retreat | 1:00p - 3:00p | seminar room X714 | 650 Albany St, 7th floor

March 12, 2019: Workshop over lunch | Patenting your invention and developing biotech industry partnerships | 12:00p - 1:00p | seminar room X714 | 650 Albany St, 7th floor | Hosted by Evans Center for IBR, IBRO and Office of Vice Chair for Research | Presented by Thomas McMurry, BU OTD and Marc Scatamacchia, BU Industry Engagement

March 20, 2019: Research on Tap: High Tech and High Touch: Digital Innovations from BU's Mobile and Electronic Health ARC | 4:00p - 6:00p | Trustee Ballroom, Metcalf Trustee Center | 1 Silber Way, 9th floor | Hosted by Belinda Borrelli, Professor, Health Policy & Health Services Research, and Director, Center for Behavioral Science Research, SDM; Director and PI, ME-Health ARC

March 31, 2019: Research on Tap: Mechanobiology: How Force and Stretch Shape Life | 4:00p - 6:00p | Photonics Colloquium Room | 8 St. Mary's St, 9th floor | Hosted by Bioengineering (Dr. E. Morgan) and IBRO (Dr. K. Ravid)

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April 10, 2019: BU VA mini-symposium, “*Cancer-Associated Thrombosis and Vascular Dysfunction: From Molecular to Large Data Bases*”, hosted by the ECIBR Thrombosis to Hemostasis ARC, IBRO, BUMC Cancer Center, the CTSI, Boston VA Healthcare and MAS

May, 2019: presentation of field-test preliminary studies at American Thoracic Society conference, progress will lead to submission of 2 manuscripts and a second RO1 in Feb 2020 (first was recommended for funding after first submission, “Delivery of a Smoking Cessation Induction Intervention via Virtual Reality Headset During a Dental Cleaning”)

October 3, 2019: Evans Days presentation of State of the ARCs – this forum is to highlight interdisciplinary achievements of funded ARCs and to invite continued cross-pollination of ideas from both campuses

November 4, 2019: Tobacco Regulatory Science ARC mini-symposium – this forum was to engage the CRC researchers, especially those who have been unable to travel to MED campus for regular meetings

December, 2019

Tentative, Spring 2020: Collaborative programming with Lucie Rochard of MassBio and the Mass Academy of Sciences focused on two goals: (1) ***focused on connecting resources*** of all three entities

through shared symposia and networking, and (2) hopefully to bring new ARC ideas to fruition; tentative – Spring 2020, State of the ARCs mini-symposia (same program presented during Evans Days, Oct 3, 2019) to include 6 ARC speakers and 6 MAS speakers

March/April 2020

Beginning March 2020, pandemic-related shut-down and stay-at-home orders were in effect resulting in cancelling in-person events scheduled for April-August 2020, and rescheduling until we could pivot as a university community and resume activities online.

March 16, 2020: Adolescent Health Equity, Prevention, and Translation (AdHEPT) pre-ARC Inaugural Public Meeting and Meet and Greet, held via Zoom, Director: Monica Wang, ScD, Assistant Professor, Community Health Sciences Department, BUSPH AdHEPT pre-ARC Co-Director: Kimberly Nelson, PhD, MPH, Assistant Professor, Community Health Sciences Department, BUSPH

POSTPONED, rescheduled for 2021: **March 30, 2020:** Tobacco Regulatory Science ARC Symposium, Keynote Speaker, Dr. Stanton Glantz, USCF, is an internationally renowned expert in the cardiovascular effects of tobacco products and the impact of tobacco control policies on use patterns.

ARCs during April 1, 2020-March 31, 2021

Respiratory Viruses: a focus on COVID-19, Director, Markus Bosmann (mbosmann@bu.edu) and Co-Director, Mohsan Saeed

Tobacco Regulatory Science, Co-Directors, Drs. Jessica Fetterman (jefetter@bu.edu), Naomi Hamburg, Andrew Stokes and Stine Grodal

Connecting Tissues and Investigators (Fibrosis in Pathology), Co-Directors, Drs. Maria Trojanowska, Irving Bigio and Bob Varelas (xvarelas@bu.edu)

Pre-ARC: Platform Development for Evaluation of Tryptophan Metabolites and the Cancer Microbiome, Co-Directors: Matt Kulke (mkulke@bu.edu) and James Galagan

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October 1, 2020: Tobacco Regulatory Science ARC, 3-5:30p, "Tobacco Regulatory Science ARC Annual Symposium", invited speaker Stanton Glantz, PhD, UCSF (postponed his talk due to COVID-19 hospitalization), talks instead given by ARC researchers & collaborators.

November 5, 2020: Evans Day, Shining Light on BU Affinity Research Collaboratives (ARCs), 12:30-1:30p: BU Covid-19 pre-clinical ARC research | *"Innovative approaches to Covid-19 pre-clinical research and relevance to equitable care"* by co-Directors Drs. Markus Bosmann and Mohan Saeed and Drs. Darrell Kotton, Benjamin Linas and Dr. Jay Mizgerd, "Respiratory Viruses as an epidemic now, and beyond"

November 12, 2020: Mobile Health ARC, 1-4p, "4th Annual Symposium", invited speakers Susan Murphy, PhD, Radcliffe Institute, "Challenges in Developing Online Learning Algorithms to Dynamically Personalize Mobile Health Interventions" & David C Mohr, PhD, BU Center for Behavioral Intervention Technologies (CBITs), "Making Digital Mental Health Work in the Real World"

November 17, 2020: Fibrosis ARC, 1-3:45p, "Fibrosis ARC symposium: identifying and understanding conserved and organ-specific mechanisms associated with tissue fibrosis"

November 30, 2020: "Colloquium: Health Disparity Research at BUMC", chaired by Drs. Katya Ravid and David Coleman (49 faculty in attendance)

January 25, 2021: Tobacco Regulatory Science ARC, 3-4p, Omar El Shahawy, MPH, MD, PhD, "Evaluation of Factors Associated with E-Cigarette Use Perceptions and Patterns"

January 26, 2021: Connecting Tissues and Investigators: Fibrosis ARC, 2-3p, Steven Huang, MD "Epigenetics of lung fibrosis"

February 8, 2021: Tobacco Regulatory Science ARC , 3-4p, Stanton Glantz, PhD, UCSF, "E-cigarettes: Back to the Future"

February 23, 2021: pre-ARC exploration via a Research on Tap mini-symposium: "Eliminating Health Disparities: Society & Biomedicine", 2-3:30p

March 1, 2021: pre-ARC exploration via a Synopsis 5' mini-symposium: "Eliminating Health Disparities: Society & Biomedicine", 3-5p

March 19, 2021: Mobile Health ARC, 1-2:15p, Molly Waring, PhD, Assoc Prof, UConn Dept of Allied Health Sciences and Center for mHealth & Social Media, "Use of Social Media in Health Research: Methods & Considerations for Observational Studies and Intervention Research"

March 30, 2021: Fibrosis ARC, 2-3p, Amy Bradshaw, Medical University of South Carolina, "Unraveling Cardiac Collagen: Exploring Cellular Mechanisms in Regression of Fibrosis"

ARCs during April 1, 2021-March 31, 2022

NEW ARCS TO BE ANNOUNCED IN JUNE 2021

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Apr 9, 2021: Precision Medicine in Alzheimer Disease ARC, mini-symposium: “Cognitive Resilience: clinical and translational science”

May 10, 2021: Thrombosis and hemostasis ARC, symposium: “Covid-19 and thrombosis complications”, (chaired by Drs. Ravid and Chitalia, 12-2p, Yogen Kanthi, MD, NHLBI, NIH & Jean Marie Connors, MD, Brigham and Women's Hospital

May 11, 2021: COVID-19 ARC, seminar, Dario Zamboni, PhD, University of São Paulo, Brazil, “Inflammasomes are activated in response to SARS-CoV-2 infection and are associated with COVID-19 severity in patients”

June 4, 2021: BU Renal Grand Rounds, co-hosted by the Fibrosis ARC, Ben Humphreys, MD, PhD, Washington University School of Medicine, St. Louis, “*Kidney Injury, Repair and Failed Repair: Lessons from Single Cell Multi-Omic Analyses*”, 1-2p