**Evans Center ARC Seminars, Symposia, Special Events**

**ARCs during April 1, 2017-March 31, 2018**

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

*(funding received from CTSI)* **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 PnemoniARC, 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 ad 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
* **March 28, 2018:** BU-wide Event, [BU Technology Wonders: Potential Biomedical Applications](https://www.bumc.bu.edu/evanscenteribr/files/2021/09/TechnologyWonders-28March2018.jpg) | Speakers: 1 Michelle Sander, Engineering, ENG “Infrared Laser Technology: Label-free Photothermal Imaging and Nerve Stimulation”, 2 Kamil Ekinci, Mechanical Engineering, ENG “Harnessing Nanomechanical Fluctuations of Cells for Drug Susceptibility Testing”, 3 Wilson Wong, Biomedical Engineering, ENG “Synthetic Biology in Cancer Cellular Immunotherapy”, 4 James ‘Jacy’ Bird, Mechanical Engineering, ENG “Measuring and Modeling Bioaerosol Transport”, 5 Joyce Wong, Biomedical Engineering, Materials Science and Engineering, ENG “Biomaterials to Detect and Treat Disease”, 6 Allison Dennis, Biomedical Engineering, ENG “Heavy Metal-Free Quantum Dots for Biomedical Imaging and Biosensing”, 7 Mark Grinstaff, Biomedical Engineering, Chemistry, Materials Science and Engineering, Director, Nanotechnology Innovation Center at BU, ENG “Mechanoresponsive Drug Delivery”, 8 Darren Roblyer, Biomedical Engineering, ENG “Diffuse Optics for Deep Tissue Functional Imaging”, 9 Selim Ünlü, Electrical and Computer Engineering, ENG “Interferometric Imaging: Detection and Visualization of Biological Nanoparticles and Digital Microarrays”, 10 Ji-Xin Cheng, Electrical and Computer Engineering, ENG “Chemical Imaging for Molecule-based Diagnosis & Treatment”, 11 Yannis Paschalidis, Electrical and Computer Engineering, Biomedical Engineering, Systems Engineering, Director, Center for Information and Systems Engineering, ENG “Health Analytics for Personalized Predictions and Prescriptions”, 12 Muhammad Zaman, Biomedical Engineering, ENG “Saving Lives through Safer Drugs”

**ARCs during April 1, 2018-March 31, 2019**

**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 Carelas (****xvarelas@bu.edu****)

Mobile and Electronic Health (ME-Health), Director, Dr. Belinda Borrelli (****belindab@bu.edu****), Co-Directors, Drs. Lisa Quintiliani and Tibor Palfai***(funding received from CTSI)* **Systems Biology Approaches to Microbiome Research, Co-Directors, Drs. Daniel Segrè (****dsegre@bu.edu****) and Evan Johnson**

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**ARC Programs**

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

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](http://trk48.benchurl.com/c/l?u=860EB08&e=DBB806&c=90C3A&t=0&l=666AE02C&email=7OBM1Zmo5vqdwHAMtqxQug%3D%3D&seq=1), Small Business Innovation SBIR Advisor, will provide an overview of the SBIR program, including information on the program's purpose, elegibility 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/](http://trk48.benchurl.com/c/l?u=860EB09&e=DBB806&c=90C3A&t=0&l=666AE02C&email=7OBM1Zmo5vqdwHAMtqxQug%3D%3D&seq=1)
* **February 26, 2019**: Environmental Toxicants Program-in-dicussion, 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)

**ARCs during April 1, 2019-March 31, 2020**

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

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

**Highlight of activities**

**April 10, 2019**: BU VA mini-symposium, “*Cancer-Associated Thrombosis and Vascular Dysfunction:*

*From Molecular to Large Data Base*s”, 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 Thoracis 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**

*(funding received from CTSI)* **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**

**ARC Programs**

**Mobile and Electronic Health (ME-Health), Director, Dr. Belinda Borrelli (****belindab@bu.edu****), Co-Directors, Drs. Lisa Quintiliani and Tibor Palfai***(funding received from CTSI)* **Systems Biology Approaches to Microbiome Research, Co-Directors, Drs. Daniel Segrè (****dsegre@bu.edu****) and Evan Johnson**

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

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

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

**Highlight of activities**

**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.

**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 Glanz, 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***

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

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**Highlight of activities**

**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”