CALCIUM HOMEOSTASIS IN HEALTH AND DISEASE (2010-2014)
Drs. Victoria Bolotina (bolotina@bu.edu) and Mike Kirber (mikirber@bu.edu) [into Parkinson’s Disease Initiative]

NANOTHERANOSTIC PLATFORMS FOR CANCER AND VASCULAR DISEASE (2011-2015)
Drs. Victoria Herrera (vherrera@bu.edu), Joyce Wong (jywong@bu.edu), Mark Grinstaff (mgrin@bu.edu), and Karl Karlson (karl.karlson@bmc.org) [into a Nanomed Program]

METABOLIC DISEASES AND INSULIN RESISTANCE: STUDIES IN PATIENTS UNDERGOING BARIATRIC SURGERY (2012-2015)
Drs. Neil Ruderman (nrude@bu.edu), Caroline Apovian (capovian@bu.edu) and Konstantin Kandror (kkandror@bu.edu)

COMPUTATIONAL GENOMIC MODELS OF ENVIRONMENTAL & CHEMICAL CARCINOGENICITY (2012-2015)
Drs. Stefano Monti (smonti@bu.edu) and David Sherr (dsherr@bu.edu) [into a CTSI program]

Examples of Institutional Initiatives
• The Evans Center co-developed with the Nanoscience Center RFAs in Nanomedicine
• The Evans Center co-developed with the Nanoscience and Cancer Centers the R25 NCI-funded training program in Nanomedicine (2010 - )
• The Evans Center co-developed with the Department of Biochemistry Institutional Interdisciplinary Thematic Seminars
• Evans Center-initiated new interdisciplinary graduate courses (Biological Core Technologies; Nanomedicine)
• Evans Center-initiated Masters Programs (Biological Core Technologies: Nanomedicine)

Expected Achievements of ARCs
• Reasonable expectation of continued programmatic growth, and a plan for inclusive and open exchange of ideas
• Extramural grant funding obtained following establishment of the ARC, particularly co-PI RO1 grants
• Successful implementation of a structure to support predoctoral and postdoctoral training in content area
• Structure and content should complement and not overlap or compete with existing university entities
• Scientific incubator for basic discoveries with potential application via the CTSI to translational research
• Successful ARCs could eventually gain a status of a program or center

Expected Support by the Evans Center
• Grant Support for each ARC for 1-3 years, pending upon yearly review
• Travel Awards to present (preferably as a talk) ARC work in meetings
• Funds for annual mini-symposia and periodical seminars to enhance knowledge and collaborations
• Administrative Support with regard to ARC budget management, symposia, web site update, etc.
• Administrative Support with preparation of large institutional grants
• Research and educational support to DOM graduate programs

Evans Fellows Awardees
Dr. Tamar Aprahamian (2013), Dr. Gyungah Jun (2013)
Dr. Marc Liesa, Dr. Cesar Sommer and Dr. Francesca Seta (2014)

Research Collaborators Awards
Maria Kukuruzinska (2016)
Carmela Abraham (2015)
Konstantin Kandror (2015)
Bela Suki (2015)
Louis Gerstenfield (2014)
Mark Grinstaff (2014)
Barbara Nikolajczyk (2014)
Donald Hess (2013)
Karl Karlson (2013)
Kathleen Morgan (2013)
Noyan Gokce (2012)
Gary F. Mitchell (2012)
Paul Pilch (2012)
Joyce Wong (2012)
Mario Cabodi (2011)
Bennett Goldberg (2011)

Outstanding Mentors Recognition
Richard A. Cohen and Bennett Goldberg (2016)
MISSION
The goal of the ECIBR and IBRO is to promote growth and discovery in emerging interdisciplinary biomedical research and educational areas by providing faculty affiliated with the Department of Medicine (DOM) and with various schools, departments and centers at Boston University (BU) a dynamic, interdisciplinary organizational structure, which allows investigators with different areas of expertise to collectively address mechanisms of disease, and to facilitate new training opportunities. The Evans Center was founded in March 2009, at that time mainly supported by the DOM Evans Foundation, providing the groundwork and tools to facilitate biomedical team science to integrate research and researchers all across BU. The reach of these efforts is now expanding to the Charles River Campus through additional collaboration with the Clinical & Translational Science Institute (CTSI). In 2015, the Boston University Interdisciplinary Biomedical Research Office (BU IBRO) was created under the auspices of the office of BU Vice President and Associate Provost for Research to enhance training experiences and new opportunities for interdisciplinary biomedical research.

ADDITIONAL INFORMATION

Dr. Katya Ravid
Founding Director, Evans Center IBR & IBRO

Ms. Robin MacDonald
Executive Assistant
remac@bu.edu

buc.edu/evanscenteribro
www.bu.edu/research/ibro
Boston University School of Medicine

Affinity Research Collaboratives (ARCs)
Faculty affiliated with the Evans Center hold academic appointments with different departments. The Center provides opportunities for collaborations within Affinity Research Collaboratives (ARCs) organized around foci of common research interests. The extraordinary strength in biomedical and physical sciences at Boston University, and the support and development of the ARCs create opportunities for new interdisciplinary approaches to both research and training in biomedical research.

Joining an ARC

- Investigators from all over BU are encouraged to form or join an ARC, which consists of several investigators, including from DOM;
- The ARC selects its own Director;
- Most ARCs are initiated by the faculty, and at times by the Evans Center’s Director;
- A review panel prioritizes the ARC proposal based upon uniqueness of the opportunity, scientific quality and promise;
- Joining an ARC after it has been formed is also possible, in consultation with the ARC and Evans Center’s directors;
- Joining multiple ARCs is allowed

Evans Center Metrics: Nov. 2009-2015
(Note the high % of funding)

<table>
<thead>
<tr>
<th>12 ARCs</th>
<th>Publications (Co-Pi)</th>
<th>Grants (Co-Investigators)</th>
<th>Presentations at Meetings</th>
<th>Core Participants*</th>
<th># Trainees participating in ARC projects</th>
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<td>421</td>
<td>222</td>
<td>123</td>
<td>219</td>
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<td>TOTALS</td>
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* Core participants include ARC funded members, while the total number of ARC members of Evans Center members is greater.

**Drs. Darrell N. Kotton (dkotton@bu.edu), Gustavo Mostoslavsky (gmostosl@bu.edu), and George Murphy (gjmurphy@bu.edu)

MOBILE and ELECTRONIC HEALTH (2017- )
Drs. Belinda Borrelli (belindab@bu.edu); Lisa Quintiliani (Lisa.Quintiliani@bmc.org) and Julie Keysor (jkeysor@bu.edu)

SYSTEMS BIOLOGY APPROACHES TO MICROBIOME RESEARCH (2017- )
Drs. Daniel Segré (dsegré@bu.edu) and Evan Johnson (wej@bu.edu)

PRECISION MEDICINE FOR ALZHEIMER DISEASE AND RELATED DISORDERS (2017- )
Drs. Rhoda Au (rhodaa@bu.edu), Alice Cronin-Golomb (alicecg@bu.edu) and Lindsay Harrer (farrer@bu.edu)

ETIOLOGY AND PATHOGENESIS OF ORAL CANCER (EPOC) (2014- )
Drs. Maria Kukuruzsinska (mkukuruz@bu.edu), Avrum Spira (aspira@bu.edu) and Maria Trojanowksa (trojanme@bu.edu)

THROMBOSIS TO HEMOSTASIS IN HEALTH AND DISEASE (2014- )
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