The Evans Center for Interdisciplinary Biomedical Research (ECIBR) and BU Interdisciplinary Biomedical Research Office (BU IBRO)

BY THE NUMBERS


1. 22 multidisciplinary ARCs have received funding to investigate novel research topics since 2009, with about 267 core faculty participants, and 261 predocs & 198 postdocs. Minority researchers have similar percent representation as in the faculty body.

2. 4 multidisciplinary ARCs have engaged with 4 hubs in CTSA network; an ARC-driven Thrombotic Microangiopathy regional Consortium; Adoption of the ARC Model by 2 hubs in the CTSA network.

3. 1,020 collaborative publications catalyzed by ARCs, to date; 75% of co-authors had never published together prior to the ARC.

4. 586 external grants awarded to ARC affiliated projects out of 735 applied for to date, with at least two ARC faculty in the co-PI or co-I roles.

5. ARCs catalyzed investigators from 13 schools, 30 departments & industry to form multidisciplinary research projects.

6. Average of 12 seminars, 3 workshops, 2 retreats and 4 symposia per year attracted an average of 55 investigators & 20 trainees per event.

7. Dr. Ravid co-developed Masters Programs in Nanomedicine and in Biomedical Research Technologies, currently instructed by some ARC members.

We rapidly respond to newly emerging biomedical research challenges, as exemplified by 6 potential preARCs in discovery phase, introduction of a new ARC focused on COVID-19 pre-clinical studies in 2020, now in its 3rd year.

8. 6 ARCs developed during 2015-2022, including a new initiative focused on Multi-Disciplinary Program to Identify Predictors of Efficacy and Resistance to Cancer Checkpoint Inhibition; Tobacco Sciences; Fibrosis: Connecting Tissues and Investigators; Thrombosis and Hemostasis; Mobile and Electronic Health

9. 4 publications about the influence of the ARC Model and best practices shared with the CTSA network.

KEYS FOR SUCCESS: THE FIVE Cs (K. Ravid)

1. Capability
   Creative research ideas

2. Cooperation
   Willingness to learn

3. Communication
   Effective scientific exchanges

4. Coaching
   Generous mentoring/insights by the Center’s Director and ARC leadership

5. Conditions
   Supportive resources and academic culture

PUBLICATIONS

“Thrombotic Microangiopathy: A Multidisciplinary Team Approach.”
Gordon CE, Chitalia VC, Sloan JM, Salant DJ, Coleman DL, Quillen K, Ravid K, Francis JM.
>> View at http://bit.ly/2k9qLG8

>> View at http://bit.ly/2kdXH0g

“Promoting interdisciplinary research in departments of medicine: results from two models at Boston University School of Medicine.”
Coleman DL, Spira A, Ravid K.
>> View at http://bit.ly/2kdYgXW

“Building interdisciplinary biomedical research using novel collaboratives.”