How to navigate BU/BMC Resources for Finding Funding
Faculty Development & Diversity Seminar Series
February 6, 2017

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Associate Professor, Cardiovascular Medicine
Director, Pilot Grants Program, CTSI
Overview of Presentation

• Funding objectives
• Application timeline
• BU/BMC resources available for each step
• Questions
AN OVERVIEW

FAST FACTS & FIGURES

Take a big picture look at BU's research program

Snippets and stats can't give you the whole picture, of course. But they can give you a sense of the scope of research here at Boston University. Plus, they're kind of fun.

<table>
<thead>
<tr>
<th>Quick Stats</th>
<th>Key Facts</th>
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<tbody>
<tr>
<td>5,189 publications in 2015</td>
<td>$1.664 Billion FY15 endowment</td>
</tr>
<tr>
<td>3,920+ faculty members</td>
<td>$5.047 Billion FY15 total assets</td>
</tr>
<tr>
<td>$368.8M total research awards in FY2015</td>
<td>108 centers &amp; institutes</td>
</tr>
<tr>
<td>60% of federal funding is from National Institutes of Health (FY16)</td>
<td>2,326 laboratories</td>
</tr>
<tr>
<td>200+ companies developing and selling products based on Builddiscoveries</td>
<td>17 schools &amp; colleges</td>
</tr>
<tr>
<td>AAU 1 of 62 members of the Association of American Universities</td>
<td>500+ postdoctorate fellows</td>
</tr>
<tr>
<td>625 non-faculty academic researchers</td>
<td></td>
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Award Activity
Award Activity

Note: The figure for FY2004 includes a substantial award from the National Institutes of Health (NIH) for the construction of the National Emerging Infectious Diseases Laboratory (NEIDL). The figure for FY2010 includes funding received under the American Recovery and Reinvestment Act (ARRA).
What is your training background?

MD  MPH  PhD
What is your experience level?
What is your area of investigation?

- Basic Research
- Clinical Research
- Population Research
- Translational Research
- Community Engagement Research
- Implementation Science Research
Funding objectives: Level of experience

• Career Development Awards (Instructor/Assistant Prof)
  • NIH K-series (K08, K23, K01)
    • https://researchtraining.nih.gov/programs/career-development
  • NIH Pathways to Independence (K99/R00)
  • Specialty Society career development awards (AHA, ADA, etc.)
  • Foundation awards (Burroughs Welcome, Robert Wood Johnston, etc.)

• Independent Investigator Awards (Assistant/Associate/Prof)
  • NIH R-series, U-series, P-series
  • Specialty society (AHA Established investigator, grant in aid, etc.)
  • Foundation
The Application Timeline

- Networking
- Preliminary Data
- Application Development
- Study Performance
- Dissemination of Findings
- Intellectual Property Commercialization
How can resources at BU/BMC help?

1. Networking
   • Find collaborators

2. Obtain preliminary data
   • Pilot Grant funding (BU CTSI Integrated Pilot Award, CIIS Pilot Award, BUSPH, etc.)

3. Support the development of a grant application
   • Writing workshops, grant writing services, and internal review panels
   • Trial design and statistical consultation
   • Identification of funding opportunities

4. Support the conduct of the research
   • Subject recruitment and retention
   • Sample processing through core lab facilities
   • Regulatory interaction and reporting
   • Data storage and organization

5. Support dissemination of findings

6. Support technology development, intellectual property
The Interdisciplinary Biomedical Research Office (IBRO) facilitates new and current areas of interdisciplinary biomedical research by supporting strategic and faculty-driven initiatives that stimulate existing and new biomedical research and training across the Charles River and Medical campuses of BU. Funding is available to jump start and support faculty-initiated Affinity Research Collaboratives (ARCs) as well as strategically planned programs involving biomedical, physical and/or engineering sciences and labs.

http://www.bu.edu/research/information-for/researchers/interdisciplinary-biomedical-research-office/
Helping you navigate the entire project lifecycle

The business of doing research is not always linear. We get that. Consider this the one-stop support network for the entire BU research community: from undergrads to postdocs to faculty and staff. Whether you’re applying for, managing, or closing out an award, or looking to commercialize your invention, we’ve got you covered with the most up-to-date and accurate information. We also have plenty of human resources on hand if you have questions or need guidance. Safety concerns? Export Control? Special circumstances? We’re here to handle it all, right here. Please this in!
Networking

- CTSI BU Profiles

http://profiles.bu.edu/search/
Networking

• Evans Center

Evans Center for Interdisciplinary Biomedical Research (Evans Center)

The goal of the Evans Center is to promote growth and discovery in emerging interdisciplinary biomedical research and educational areas by providing faculty affiliated with the Department of Medicine and with various schools, departments and centers at Boston University 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.

Mission Statement

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 fields 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. Basic science discovery promoted by ARCs are also available to the Clinical and Translational Science Institute and to other centers for collaborative translational applications.

Click here to access an Evans Center Brochure

Links to publications on the Evans Center as New Paradigm for pursuing Research and Education


Click here for a PDF file


Click here for a PDF file

http://www.bumc.bu.edu/evanscenteribr/
Pilot Data Generation/Funding opportunities

• CTSI Integrated Pilot Grant Program
• Department of Medicine Clinical and Research Centers
• Foundation awards
• PIVOT
## 2016 Integrated Pilot Award Program Review Panels

<table>
<thead>
<tr>
<th>Scientific Review Committee</th>
<th>Chair(s)</th>
<th>Departments Represented</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory-based translational science</td>
<td>Kostya Kandror, PhD</td>
<td>Medicine, Physiology and Biophysics, Biochemistry, Environmental Health</td>
</tr>
<tr>
<td>Clinical and translational science</td>
<td>Frederick Ruberg, MD, Stephen Pelton, MD</td>
<td>Medicine, Pediatrics, Radiology, OB/GYN, Surgery</td>
</tr>
<tr>
<td>Population, Implementation/Improvement, Health Systems science</td>
<td>Allan Walkey, MD, MSc, Mari-Lynn Drainoni, PhD</td>
<td>Medicine, Health, Law, Policy &amp; Management, Pediatrics</td>
</tr>
<tr>
<td>Community engagement science</td>
<td>Tracy Battaglia, MD, Anne Fidler, ScD</td>
<td>Medicine, Environmental Health, Health Sciences, Epidemiology, Health Policy and Health Services</td>
</tr>
</tbody>
</table>
CTSI Integrated Pilot Program Spring 2016

Total $340,000

- Medicine, $140,000
- CTSI, $200,000

Preliminary Data
CTSI Integrated Pilot Program Spring 2016

Total Applications (n=37)

- 49% Funded
- 51% Unfunded

- Medicine (n=11)
- Molecular and Cell Biology (SDM)
- Ophthalmology
- Anatomy and Neurobiology
- Epidemiology (SPH)
- Global Health (SPH)
- Psychiatry
- Otolaryngology
- Radiology

Preliminary Data
CTSI Integrated Pilot Program Spring 2016

<table>
<thead>
<tr>
<th></th>
<th>Instructor</th>
<th>Assistant Professor</th>
<th>Associate Professor</th>
<th>Professor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unfunded</strong></td>
<td>1</td>
<td>7</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td><strong>Funded</strong></td>
<td>1</td>
<td>10</td>
<td>7</td>
<td>1</td>
</tr>
</tbody>
</table>
Funding Opportunities

- American Cancer Society Pilot Research Grants
- Alzheimer’s Disease Center (ADC) Pilot Grant Program
- CTSI K-L2 Fellowship
- BUSM Research Grant Opportunities
- Foundation Research Opportunities
- Ignition Award
- NIH Funding Opportunities and Notices
- Miri Sabbatical Award
- NIH Opportunities for Collaborative Research at the NIH Clinical Center (X02)
- NIH Pre-application for a Biomedical Technology Research Resource (X02)
- ProposalCENTRAL
- The Center for the Integration of Medicine and Innovative Technology (CIMIT)
- Translational Technology Office (TTO) Online Core Subsidy Application
The department's world-class research programs foster a spirit of inquiry in the department's clinical and educational programs, and bring new preventive, diagnostic and treatment modalities to our patient population. Use the links below to learn more about the research centers of the Department of Medicine:

- Amyloid Treatment and Research Program
- Arthritis Center
- Center for Regenerative Medicine
- Boston Obesity and Nutrition Research Center
- Evans Center for Implementation and Improvement Sciences
- Center for HIV/AIDS Care and Research
- Framingham Heart Study
- Medical Information Systems Unit
- Pulmonary Center
- Sickle Cell Center
- Whitaker Cardiovascular Institute
- Health/On-Campus Health Care
- Department of Medicine Medical Grand Rounds

Also see:
- Department Newsletter
- DOP Pilot Grant Application
- Faculty Development and Diversity Resources
- IT Help
- Recognition

Calendar:

- 2.8 Medical Grand Rounds: "Why Drinking Like a Fish Leads to Sleeping With The Fish: An Old Fashioned Story," Speaker: Weny H. Shi, M.D.
- 2.8 Clinical Grand Rounds - TBD
- 2.10 Department of Medicine Medical Grand Rounds

http://www.bumc.bu.edu/medicine/ CORE FACILITIES
Center for Clinical Translational Epidemiology and Comparative Effectiveness Research

Mission: To provide data infrastructure, methodological expertise, and statistical support to clinicians and researchers committed to translating discoveries in basic science research and preclinical studies to trials and studies in humans (translational epidemiology) and comparative effectiveness research to identify clinical and public health interventions that work best for improving health.

To achieve this mission, TEC provides aggregation of clinical- and population-based human cohort data using epidemiological principles and collaboratively with clinicians and researchers within Boston University School of Medicine, Duker Medical Center, Boston University School of Public Health, its affiliated research centers and external collaborators from academia and industry.

Vision: A sustainable, collaborative and diverse research center maximizing research competencies through innovation, education and superior data quality.

Principles of collaboration and research: At TEC, we create collaborations with shared goals and research interests along with relying on and leveraging primary and secondary data resources. To achieve high quality and high impact research, experts are part of the research team from study conception, a change from designing for users to one of designing with users.
Center for Implementation and Improvement Sciences (CIIS)

The FVAW Center for Implementation and Improvement Sciences (CIIS) is a methodological hub for evidence-based strategies to reduce violence against women and girls. CIIS is a dynamic network of professionals, institutions, and communities dedicated to improving the quality and accessibility of care to all women and girls.

Specific objectives of CIIS are to:
1. Guide, support, and incentivize the design and implementation of evidence-based strategies for reducing violence against women and girls.
2. Identify barriers and strategies to facilitate the adoption and sustainability of evidence-based approaches in practice settings.
3. Empower and engage a network of implementation and improvement scientists.

What types of help can I get from CIIS?
- Offer guidance on evidence-based interventions and implementation strategies in practice settings.
- Assist with the development of targeted implementation plans and standards.
- Conduct capacity-building activities with partners and stakeholders.
- Provide training on statistical tools and promote collaborations.
- Offer access to experts, resources, and ongoing support.
- Assist with research and evaluation.

How do I request help?
- Step 1: Tailor Your Project
  - Complete an application.
  - Choose your preferred service.
  - Include any relevant background.

- Step 2: Contact CIIS
  - When you are ready, contact the CIIS office to schedule your consultation.

- Step 3: Meet with CIIS
  - CIIS will review your proposal or request to discuss your needs and create a plan for next steps.
Faculty Seeking Funding

Boston University’s Office of Foundation Relations (OFR) exists to help members of the BU community secure foundation support for their research, teaching, and outreach projects.

This website is meant to guide you through the process of seeking foundation support for your work. In most cases, we encourage you to contact a foundation directly to determine if your project aligns with its mission and strategy and to learn more about the process for requesting support.

The entire process—from initial contact to final decision by a foundation’s board of directors—takes six months to a year, on average. You are best advised to start the process very well in advance of the time the funding will be needed.

There are a number of restricted foundations that should only be approached for funding through or with clearance from Foundation Relations, at the request of either the foundation’s leadership or the university’s. These are foundations that expect funding discussions to center on institutional priorities and that in most cases have explicitly asked that funding requests carry the endorsement of the president and be conveyed through Foundation Relations.

Please read through the step-by-step overview below and contact us if you have questions not addressed here.

Prepare for Your Funding Search

Find Potential Funders

Write a Letter of Inquiry

Prepare a Proposal

Submit the Proposal

Restricted Foundations

While OFR should always be contacted before soliciting a foundation, the Office of Sponsored Programs (OSP) must always be contacted—and the process it administers must be followed—when a BU investigator is submitting a grant (sponsored program or project) proposal, regardless of the nature of the funding agency. OSP proposal submission procedures are here. This document details the difference between gift solicitations and grant (sponsored program) proposals.

As stewards of the University's externally funded—research portfolio, OSP is responsible for ensuring...
Funding Opportunities

Funding Announcements

The Office of Clinical Research sends announcements about research funding opportunities to the faculty on the Medical Campus when the funding source puts a limit on the number of applications that we can submit. Typically, we ask applicants to submit a preliminary proposal to the OCR. We then convene an internal selection committee which reviews all proposals and selects the strongest ones to be submitted. The table below shows funding opportunities that are currently available and their internal submission deadlines. Details about the selection process are shown below the table. Current Funding Announcement:

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Title</th>
<th>Internal Due Date</th>
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<tbody>
<tr>
<td>NIH</td>
<td>FY17 Partnerships to Achieve Health Equity Program</td>
<td>2/12/2017</td>
</tr>
<tr>
<td>HRSA</td>
<td>Children with Special Health Care Needs Research Network (CHHCN-RH) (HRSA-17-0120)</td>
<td>2/12/2017</td>
</tr>
<tr>
<td>Breast Cancer Alliance</td>
<td>Exceptional Project Grants</td>
<td>2/17/2017</td>
</tr>
</tbody>
</table>

Selection Process for Foundation Competitions with a Limit on Applications

A number of private foundations offer programs that fund research, but they allow only a limited number of applications from a school. About 20 opportunities like this arise every year. For opportunities like this, we use the following process to select the strongest applicants for submission. At the Medical Center, the review and selection process is managed by Tom Moore, Associate Provost in the Office of Clinical Research. We announce these opportunities broadly, via email to all faculty. In some cases, CRC faculty sends eligible, faculty to CRC administration to submit their applications to CRC for consideration. If the application is a junior position or the candidate is a new faculty, the CRC administration forwards the application to the Department Chair or mentor. The deadline for internal submissions is usually about 6 weeks before the deadline at the foundation. All eligible pre-applications are reviewed by the internal selection committee. The reviewers vary depending on whether any special expertise is needed. Here at BUMC, the core reviewers are Ron Corley, David Carter, and Tom Moore (the three research provosts). If the CRC is involved, Gloria Waters, Vice President and Associate Provost for Research, selects CRC reviewers to participate. The reviewers rank the applications. When all the rankings are in, they are compiled and distributed to the selection committee, along with an overall ranking. The overall ranking determines which candidates will be approved to submit their applications to the foundation. Usually there is good concordance among the reviewers’ rankings. If there aren’t, the committee collaborates to settle the discrepancies and select the final applicants. The final selection is usually completed within 30 days after the internal deadline. All applicants are then notified of the committee’s decisions. Because of

http://www.bumc.bu.edu/ohra/funding-opportunities/
<table>
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<tr>
<th>Title</th>
<th>Deadline</th>
<th>Amount</th>
</tr>
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<tbody>
<tr>
<td>Pediatric Scientist Development Program (PDSF)</td>
<td>11 Mar 2012</td>
<td>$100,000</td>
</tr>
<tr>
<td>Children's Hospital Senior Center</td>
<td></td>
<td>Anticipated</td>
</tr>
<tr>
<td>Fellowships and Scholarships: Atherosclerosis Research Fellowship</td>
<td>31 Jan 2012</td>
<td>$275,000</td>
</tr>
<tr>
<td>National Heart, Lung, and Blood Institute</td>
<td></td>
<td>Application</td>
</tr>
<tr>
<td>Translational Research Project Grants</td>
<td>31 Jan 2012</td>
<td>$150,000</td>
</tr>
<tr>
<td>National Heart, Lung, and Blood Institute</td>
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<td>Application</td>
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<tr>
<td>Victor A. Rothstein Fellowship Program</td>
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<td>$150,000</td>
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<tr>
<td>National Heart, Lung, and Blood Institute</td>
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</tr>
<tr>
<td>Petterson and Storch Fellowship: Research Fund</td>
<td>31 Jan 2012</td>
<td>$150,000</td>
</tr>
<tr>
<td>National Heart, Lung, and Blood Institute</td>
<td></td>
<td>Application</td>
</tr>
<tr>
<td>Critical Scientist Training Program</td>
<td>31 Jan 2012</td>
<td>$25,125</td>
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<tr>
<td>American Heart Association (AHA)</td>
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<td>Application</td>
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<tr>
<td>Postdoctoral Fellowship</td>
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<td>American Heart Association (AHA)</td>
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<td>Health Professional Scholarships: American Heart Association (AHA)</td>
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<td>Petterson and Storch Fellowship: Overseas Training and Research Fellowships</td>
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<tr>
<td>National Heart, Lung, and Blood Institute</td>
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<td>Application</td>
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<tr>
<td>ACCF/AHA Annual Research Fellowship: Atherosclerosis and Cardiovascular Disease</td>
<td>31 Oct 2012</td>
<td>$30,000</td>
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<td>Anticipated</td>
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<tr>
<td>TGFPI New Scientist/talent award</td>
<td>15 Nov 2012</td>
<td>$100,000</td>
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<tr>
<td>Neurology Foundation (NFI)</td>
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<td>Application</td>
</tr>
<tr>
<td>Predoctoral Fellowship</td>
<td>09 Feb 2013</td>
<td>$15,756</td>
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<tr>
<td>American Heart Association (AHA)</td>
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<td>Application</td>
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<tr>
<td>Research Fellowship Scholarship Opportunities in Cardiac Electrophysiology</td>
<td>09 Feb 2013</td>
<td>$100,000</td>
</tr>
<tr>
<td>American Heart Association (AHA)</td>
<td></td>
<td>Application</td>
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Support of grant application development

• DOM grant writing workshop
• BMC office of proposal development
• Trial design consultations
DOM grant writing support

http://www.bumc.bu.edu/facdev-medicine/for-researchers/grant-writing/
New Service Fall 2016

The Clinical and Translational Science Institute (CTSI) is pleased to announce that we are collaborating with Boston Medical Center's Office of Development to enable grant-seekers from across Boston University to access the BMC Foundation Relations and Government Grants team's grant writing, editing and formatting services for NIH and other federal applications.

If you would like to request one or all of these services, please click here to complete a short form. CTSI Leadership will review your request and respond within 3-5 business days.

We are excited to offer these new and valuable resources and look forward to a long and productive partnership with BMC Development!

PLEASE SUBMIT REQUESTS AT LEAST 90 DAYS PRIOR TO THE GRANT DEADLINE!

Boston University Clinical & Translational Science Institute
www.bu.edu/ctsi
https://ncats.nih.gov/
Other Resources

• **Biostatistics, Data Management & Analysis**
  • Monthly Biostatistics, Epidemiology & Research Design Seminars (BERD)
  • Weekly Study Design and Statistical Analysis Studios

• **Protocol Implementation**
  • General Clinical Research Unit (GCRU) provides resources to faculty at the BUMC, including a controlled and optimal setting for clinical investigators, career development programs, and training for health professionals

• **Clinical Research Informatics and Technology Consultations (CRITC)**
  • Chronic disease registry for research
  • Development of chronic disease registries for research
  • Patient education kiosk for patients in a clinic waiting room
  • Project to create and study of a mobile application to improve care
  • Project to create and study of a bedside clinical technology
Conducting Research

While it’s no doubt a huge boost, money isn’t the only thing that drives successful research. Below you’ll find a variety of helpful resources on campus, from information about compliance and core facilities to collaboration and publication opportunities.

Working with Animals
- Accommodation
- Acceptance of Large Animals
- Acceptance of Records
- Antihistamines for Rodents and Mice (AAUCC)
- Antihistamines for Rabbits (AAUCC)
- Administration of Drugs and Experimental
- Compounds in Mice and Rats

Working with Biologic Subjects
- Biological Researcher's Diet
- Chapter 9: Infection and Immuno-Stimulation
- Chapter 10: Biocompatibility and Bio-Response
- Chapter 11: Laboratory Research Practice
- Chapter 12: Laboratory Training

Working with Human Subjects
- Additional Services from IRB
- Amendment to IRB
- Compliance
- Dates and Timelines of the IRB Committee
- Determining a new IRB approval
- IRB Members
- Medical Subjects
- Human Subjects Training
- IRB Members

Project Lifecycle
- Proposal Development
- Proposal Review and Submission
- Award Review and Acceptance
- Award Close-Up
- Conducting Research
- Close Out Awards
- Bringing to Market
Animal Care & Use

The humane care and involvement of animals in research is a serious responsibility shared by the entire research community.

To stay compliant with animal care guidelines, please visit the following webpage:

http://www.bu.edu/researchsupport/compliance/animal-care/

This will provide you with the necessary information to ensure the welfare of animals, and your personal safety.
Boston Medical Center and the three schools on the Boston University Medical Campus (Medicine, Public Health, and the Goldman School of Dental Medicine) are committed to performing human research in order to advance our understanding of health and disease. This research must be conducted according to the highest ethical standards and in compliance with all regulatory requirements. The **Office of Human Research Affairs (OHRA)** is responsible for the oversight of this human research to assure that we meet those ethical and regulatory expectations. OHRA accomplishes this through its robust Human Research Protection Program (HRPP). The two main elements of the HRPP are:

1. the **Institutional Review Board (IRB)** which must review and approve all human studies, and
2. an array of **investigator educational programs** offered primarily by our [Clinical Research Resources Office (CRRO)](https://www.bumc.bu.edu/crro).
Welcome! We're here to help you in your clinical and human research.

The mission of the Clinical Research Resources Office is to facilitate the design and conduct of ethical and scientifically valid clinical and human research by providing a range of services, resources and guidance to support BMC and BU Medical Campus clinical researchers in planning, submitting, conducting and analyzing their research. In fulfilling this mission, the CRRO strives to:

- Facilitate research by providing guidance and tools that are relevant, focused, accessible, and current.
- Be responsive to needs of the BMC and BU Medical Campus clinical research community, the needs of research participants, and the changes in regulations and policies guiding human research.
- Centralize expertise and support for the conduct of human research.
- Support & enhance the research workforce infrastructure to maximize quality of research.
- Foster research participant advocacy by promotion of best practices to ensure the safe and ethical conduct of human research.
Clinical Research Resources Office (CRRO)

Supported by the BU CTSI and the Human Research Protection Program (HRPP)
Serving all BUMC Clinical Researchers

Human Research Consultation Services and Education Programs

- Consultation services
  - Study implementation
  - IRB application submission
- Education programs for all levels of the research team
- Support for sponsor-investigators of FDA-regulated research
- Tools and Resources (web-based)
- Quality Assurance Audits/Reviews

CRRO website: www.bumc.bu.edu/crro

Director, Mary-Tara Roth, RN, MSN, MPH
Trainings

Principal Investigator (PI) Training

Half-day training designed for new/future/experienced PIs who want to learn how to oversee, manage and conduct research studies and regulatory issues. Meets GCP requirement. ($60, Evans 730, 8:30a-12:30p)

Aug 8, 2016 (Mon), Jan 19, 2017 (Thurs), Jun 6, 2017 (Tues)

Fundamentals in the Conduct of Clinical Research

Covers key topics and concepts to ensure that clinical research professionals are able to successfully conduct research study activities. ($75, Evans 730, 2 half-day sessions, 9a-1p)

Sep 26 & Oct 3, 2016 (Mon); Feb 16 & Feb 23, 2017 (Thurs); May 12 & May 19 (Fri)

Special Training Workshops

• Informed consent regulations and procedures
• The IND/IDE process and reimbursements for new drugs and devices
• Best practices for preparation and maintenance of sponsor-investigator INDs and IDEs
• Data and safety monitoring plans and reporting adverse and unanticipated events

Monthly CRRO Seminar Series

• Research related topics for the monthly CRRO Seminar Series are provided on the CRRO website (Free, lunch provided, CMEs, 12-1p on 2nd Wed of each month, L110)
Resources: Research Tools

- **REDCap** (Research Electronic Data Capture)- a secure, HIPAA compliant, web-based application for building and managing online surveys and databases for research. REDCap provides a stream-lined process for rapidly developing projects.
  - Multi-site access for research data collection
  - Audit trail
  - Branching logic
  - Data export for analysis in R, SPSS, STATA, SAS & Excel
  - Calculated fields
  - Automated backups to IT servers
• **The BU i2b2** (Informatics for Integrating Biology and the Bedside) provides a standardized data architecture and informatics capabilities to combine clinical patient data with demographic, biologic, and genomic data for use in clinical research projects. An easy-to-use aggregate data query tool, i2b is accessible via the internet using the i2b2 web client.

• **openSESAME** (Search of Expression Signatures Across Many Experiments) is a web-based tool for using patterns of gene expression to discover relationships between experimental conditions, diseases, or biological states. openSESAME is unique in that it identifies connections between datasets based on expression patterns alone, without the need for prior knowledge of experimental groups or phenotypes.
Communications Office

The Communications Office is responsible for the development and implementation of a coordinated internal and external communications infrastructure to strategically capture, disseminate and promote BUMC’s academic excellence, mission of service and commitment to urban and international health.

We do this by creating specific communications objectives, programs and initiatives that identify opportunities to position and promote relevant research, academic and administrative activities, and viewpoints on local, regional and national levels through appropriate internal and external communication vehicles. The Office advises the Medical Campus Provost and BUMC Deans and offices on appropriate, effective communication strategies and tactics. In addition, the Office provides day-to-day and emergency internal communications support for the Campus and the School of Medicine through general internal and external communications activities.

To contact a member of the Communications team, click here for the staff directory.
Bring to Market

We’ll help you develop and implement strategies to commercialize the discoveries you uncover in the course of your research.

On this page: Overview, Transfer Your Technology, Information about the Technology Transfer Process, Intellectual Property Priorities, Material Transfer Agreements (MTA), Confidentiality Agreements (CDA)

Overview

We want to make sure that great ideas, new product concepts, and inventions find their way to the public and to the people who will benefit the most. Getting there can be a winding road and we’re here to help, whether it’s obtaining a patent, making industry contacts, completing license agreements, or fostering collaborations beyond campus. The University’s Technology Development Office is closely involved in commercial development and has expertise in matters of intellectual property protection, licensing of intellectual property rights, and providing guidance for starting a new company. Explore the links below to learn more and get started. For general inquiries please email our office.

Transfer Your Technology

Submit an idea

Develop your strategy

http://www.bu.edu/researchsupport/project-lifecycle/bring-to-market/
Questions