

BioMANufacturing Research Program (BioMAN)

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Research Areas



Tool Development

Resource



Product Development

Other

At a Glance

- Status: **Active Consortium**
- Year Launched: **2007**
- Initiating Organization: **Massachusetts Institute of Technology**
- Initiator Type: **Academia**
- Location: **North America**

Abstract

The Center for Biomedical Innovation (CBI) is addressing profound challenges in the global biomedical industry by developing, testing, and disseminating new knowledge and tools designed for real-world application through the following programs: Biomanufacturing Program (BioMAN), Consortium on Adventitious Agents in Biomanufacturing (CAACB), and New Drug Development Paradigms (NEWDIGS). CBI was established in 2005 and merged with Massachusetts Institute of Technology's (MIT's) Program on the Pharmaceutical Industry (POPI) in 2008. POPI was founded in 1991 with a major grant from the Alfred P. Sloan Foundation to promote research and educational activities on issues related to competitiveness, performance, and productivity in the pharmaceutical field.

Mission

CBI's mission is to improve global health by overcoming obstacles to the development and implementation of biomedical innovation. CBI provides a safe and transparent environment for collaborative research among industry, academia, and government, and draws on the expertise of the MIT's Schools of Engineering, Science, and Management, as well as the Harvard-MIT Division of Health Sciences and Technology (HST).

To address emerging biomanufacturing needs, BioMAN activities are focused on the following:

Consortium History

2005: CBI established

2008: CBI merged with MIT's POPI

Structure & Governance

BioMAN Program Direction:

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Participating Institutions:

Georgetown University: Jeffrey T. Macher, Ph.D., associate professor, McDonough School of Business

Northeastern University: William S. Hancock, Ph.D., faculty fellow, Bradstreet Chair in Bioanalytical Chemistry; co-chair, Trans-NIH Alliance of Glycobiologists for Detection of Cancer and Cancer Risk; editor-in-chief, Journal of Proteome Research (ACS)

Rensselaer Polytechnic Institute: Steven M. Cramer, Ph.D., professor and William Weightman Walker

Professor of Polymer Engineering, Department of Chemical and Biological Engineering
University of Prince Edward Island: Reuben Domike, Ph.D., MBA, assistant professor; research
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Links/Social Media Feed

Homepage

<http://cbi.mit.edu/research-overview/bioman/>

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