

James Cassatt

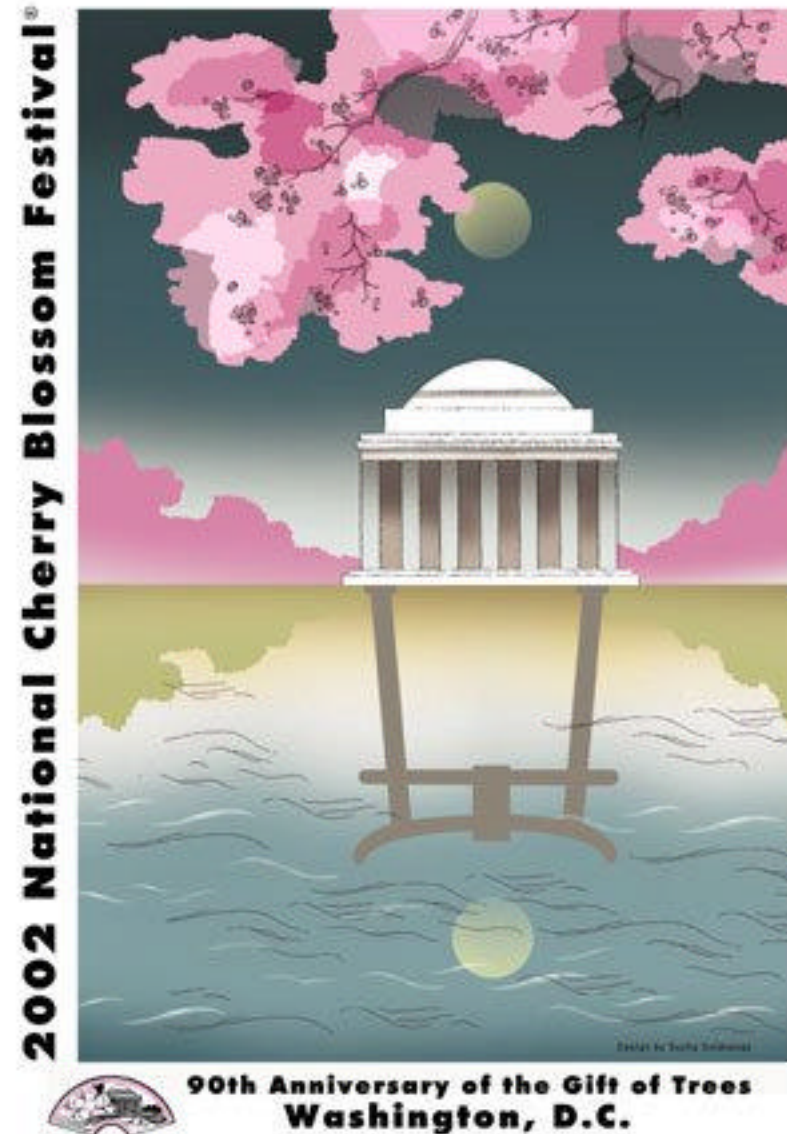
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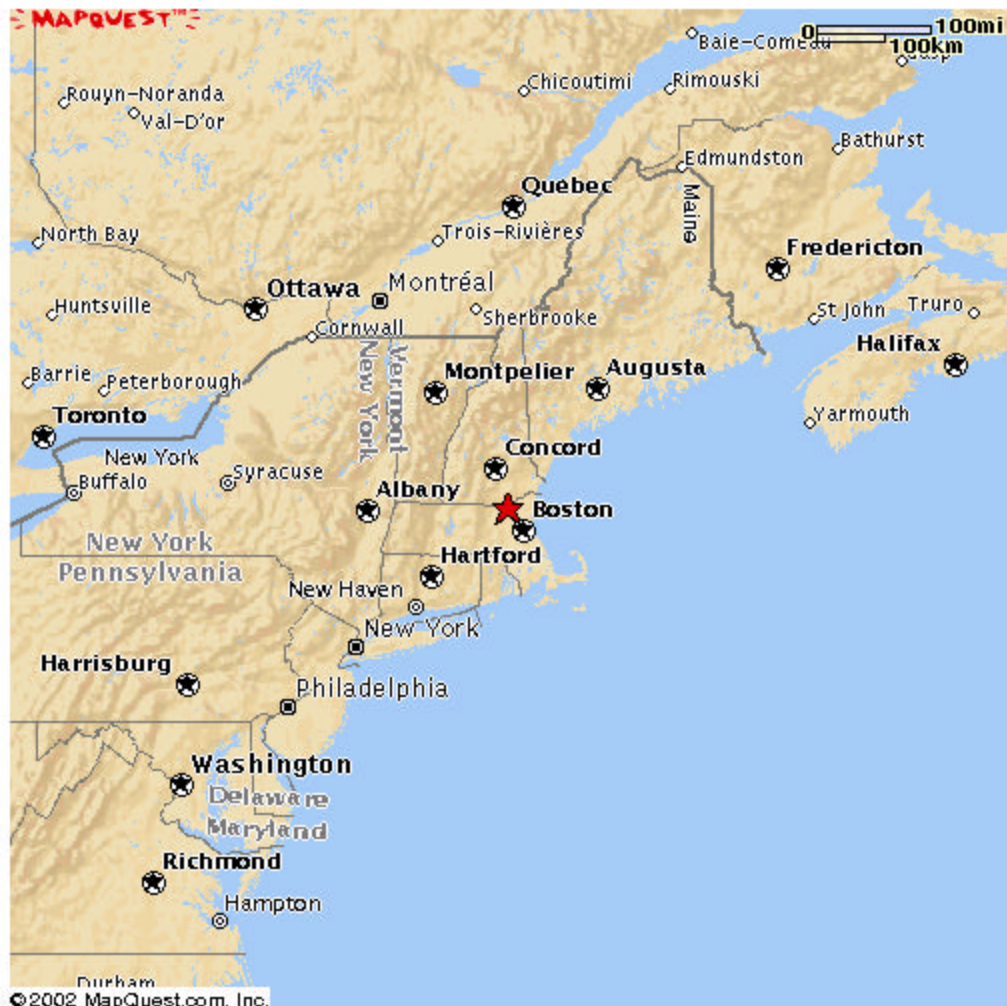


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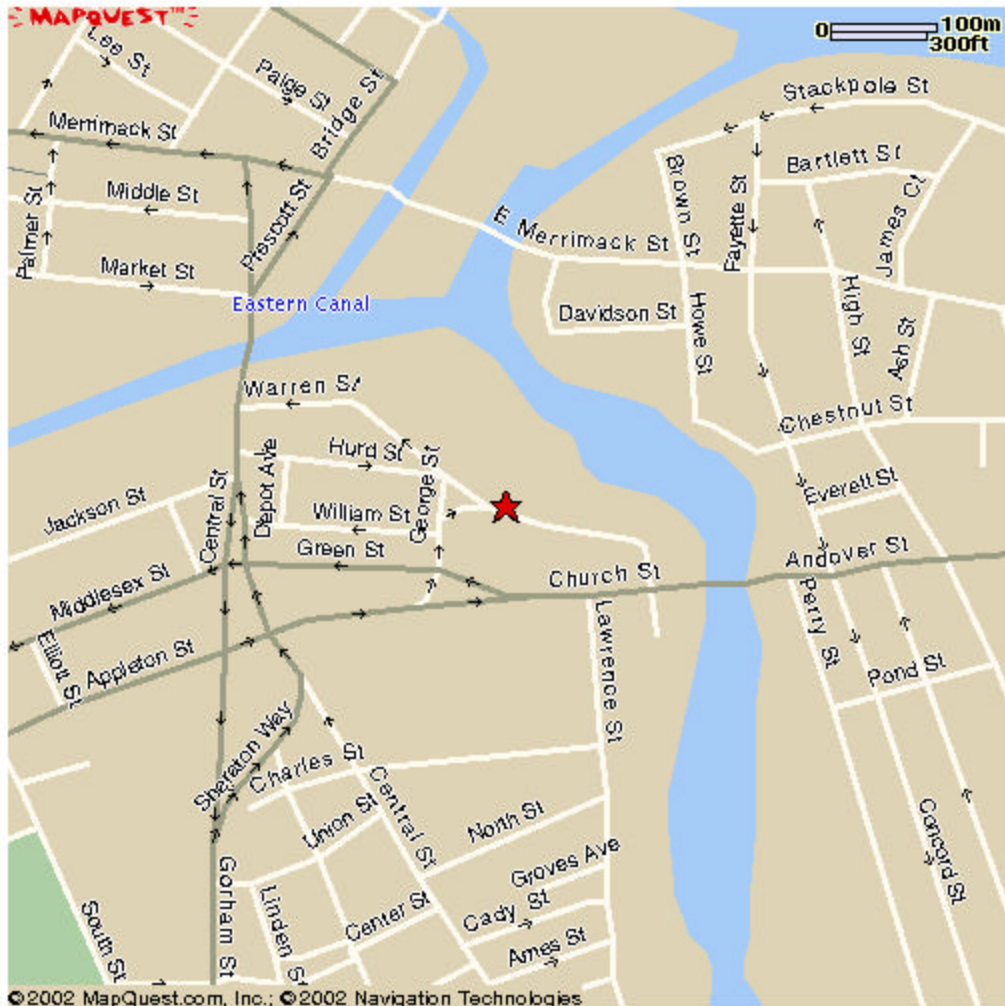
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**Most applications investigator initiated**

**All applications subjected to peer review  
by a study section**

**Program announcements (PA'a) and  
Requests for Applications (RFA's)  
demonstrate an Institutes special interest  
in an area**

# National Institutes of Health

- National Institute of General Medical Sciences
  - The NSF of NIH
- National Institute of Bioimaging and Bioengineering

# **BECON**

## **Partnership**

A BRP is a multi- disciplinary research team applying an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior.

## **Grants**

The BRGs support multi- disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior.

# Biomedical Information Science and Technology Initiative

- [Planning Grants: National Programs of Excellence in Biomedical Computing \(Pre-NPEBC\)](#) - PAR-00-102 - Released June 29, 2000
- [Innovations in Biomedical Information Science and Technology: Phased Innovation Awards \(R21/R33\)](#) - PA-00-117 - Released June 29, 2000
- [Innovations in Biomedical Information Science and Technology: SBIR/STTR Initiative](#) - PA-00-118 - Released June 29, 2000

# National Institute of General Medical Sciences

- Genetics and Developmental Biology
- Physiology, Pharmacology and Biorelated Chemistry
- Cell Biology and Biophysics
- Minority Opportunities in Research
- Center for Bioinformatics and Computational Biology



## **NIGMS Initiatives:**

### **Research**

Protein Structure Initiative

Pharmacogenetics

Glue Grants

Complex Systems

BISTI

BECON

NIGMS/NSF Biomath

# NIGMS/NSF Biomath Initiative

- Purpose is to develop new mathematical tools for application to biology
- Applications submitted to and reviewed by DMS at NSF
- Funded by Both NSF and NIGMS

# **NIGMS CENTERS OF EXCELLENCE IN COMPLEX BIOMEDICAL SYSTEMS RESEARCH**

- The CE/CBSR goal is to promote the analysis of the organization and dynamic behaviors of complex biological systems.
- Activities will encompass research and training, as well as workshops, symposia, and other forms of outreach.

# Administrative Supplements

- Awarded to NIGMS grantees who wish to add a modeling component
- For those areas of biology where quantitative approaches are new
- Will support the collaboration of another faculty with the necessary quantitative expertise
- **Will not require formal peer review**

# Addressing Manpower Needs

- Centers
- Institutional Predoctoral Training Grants
- Individual Postdoctoral Fellowships
- NIGMS/NSF Biomath Initiative
- Mentored Career Development Awards
- Supplements to Existing Grants