

**Funding Opportunities  
and Strategies for  
Moving your Research  
Forward**

# Sources of Information

- Talk to your program director
- NIH staff listed in your program guide
- IMAT website

<http://imat.cancer.gov/>

# My Technology Works, Now What?

- Collaborations/Partnerships
- Commercialization
- Additional Academic Research Funding
- Resources

# Finding Collaborators

- IMAT PI meeting poster session
- Volunteer as a reviewer for IMAT
- Attend a biology or clinically focused conference (e.g. Gordon conferences, AACR)
- NCI consortia: ICBP, TMEN, EDRN, SPECS, MMHCC, **Clinical Proteomics**
- Multi-PI R01s

# Commercialization: SBIR and STTR

- **NIH SBIR/STTR Omnibus Solicitations for Grant Applications**

*Release:* January

*Receipt Dates:* April 5, August 5, and December 5

- **Solicitation of the NIH & CDC for SBIR Contract Proposals**

*Release:* August

*Receipt Date:* Early November

- **See NIH Guide for various other Program Announcements (PAs) and Requests for Application (RFA)**

Bridge Funding for promising phase II projects

For more information visit:

<http://sbir.cancer.gov>

# SBIR Eligibility Requirements

- Organized, for-profit, U.S. business

- 500 employees or fewer, including affiliates

- PI's primary employment must be with the small business concern

- At least 51% U.S.- owned by individuals and independently operated

or

- At least 51% owned and controlled by a for-profit business concern that is at least 51% owned and controlled by one or more individuals

# Academic Research Funding

- Additional Technology Development or Adaptation
- Biological Research Applications
- Translational Research
- Epidemiological Research
- NIH Roadmap
  
- NCI funding opportunities:  
<http://www.nci.nih.gov/researchandfunding#fundingopportunities>
- NIH funding opportunities:  
<http://grants1.nih.gov/grants/guide/index.html>

# Bioengineering

- Bioengineering Research Partnership (BRP): large, partnership, interdisciplinary
- BRG: standard “R01-size”, single PI
- EBRG: small, exploratory



# Bioinformatics / Computational Biology

- [http://www.bisti.nih.gov/bistic\\_funding.cfm](http://www.bisti.nih.gov/bistic_funding.cfm)
- Continued Maintenance and Development of Software
- Innovations in Biomedical Computing
- Collaborations with NCBCs (R01 or R21)
- Using the caBIG or BIRN infrastructures

# Nanotechnology

- Nanoscience and Nanotechnology in Biology and Medicine (R01):

<http://grants.nih.gov/grants/guide/pa-files/PA-08-052.html>

- Nanoscience and Nanotechnology in Biology and Medicine (R21):

<http://grants.nih.gov/grants/guide/pa-files/PA-08-053.html>

# Opportunities in Cancer Biology

Investigator Initiated Research: in tumor microenvironment; stem cells; integrative cancer biology/systems biology, etiology, animal and in vitro models

- Collaborating Grants (ICBP and TMEN)
- APRC: funding for collaborations

# Translational Research Opportunities

Investigator Initiated Research in Detection, Diagnosis, Prognosis, Therapy  
Development, Imaging

- PA-06-499 Exfoliated Cells and Circulating DNA in Cancer Detection and Diagnosis (R21)
- PA-08-267 Exploratory Studies in Cancer Detection, Diagnosis, and Prognosis (R21)
- PAR-08-055 Cancer Prevention Research Small Grant Program (R03)
- NOT-CA-08-023 NCI Program for Rapid, Independent Diagnostic Evaluation (PRIDE) of Cancer Biomarkers

# Opportunities in Epidemiology and Surveillance Research

Investigator Initiated Research in Technology Improvement: increased throughput, lower cost; Gene-Environment Interactions; Exposure Assessment; GWAS

- PA-08-208 and PA-08-209 Pilot studies in Pancreatic Cancer (R21 and R03)
- PA-07-299 and PA-07-298 Epigenetic Approaches in Cancer Epidemiology
- PA-08-144 and PA-08-143 Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R21 and R01)

# NIH Roadmap

Office of Portfolio Analysis and Strategic Initiatives (OPASI)

National Institutes of Health • U.S. Department of Health and Human Services



## NIH Roadmap for Medical Research

Search:

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## Funding Opportunities

- ▶ [Building Blocks, Biological Pathways, and Networks](#)
- ▶ [Molecular Libraries and Imaging](#)
- ▶ [Structural Biology](#)
- ▶ [Bioinformatics and Computational Biology](#)
- ▶ [Nanomedicine](#)
- ▶ [Human Microbiome Project \(HMP\)](#)
- ▶ [Epigenomics](#)
- ▶ [High-Risk Research](#)
- ▶ [Interdisciplinary Research](#)
- ▶ [Re-engineering the Clinical Research Enterprise](#)

### NEW FUNDING OPPORTUNITIES

- [Pre-Application for the 2009 NIH Director's Pioneer Award Program \(X02\)](#)  
October 23, 2008
- [Pre-Application for the 2009 NIH Director's New Innovator Award Program \(X02\)](#)  
October 23, 2008
- [Notice: Request for Information: Nomination of Monoclonal Antibody Targets for Epigenetic Research](#)  
October 22, 2008
- [Notice: Clarification of Research Objectives and Review and Selection Process for RFA-RM-08-017: Epigenomics of Human Health and Disease \(R01\)](#)  
October 3, 2008
- [Patient-Reported Outcomes Measurement Information System™ \(PROMIS\) Network Center \(U54\)](#)  
September 26, 2008
- [Patient-Reported Outcomes Measurement Information System™ \(PROMIS\) Research Sites \(U01\)](#)  
September 26, 2008
- [Patient-Reported Outcomes Measurement Information System™ \(PROMIS\) Technology Center \(U54\)](#)  
September 26, 2008
- [Patient-Reported Outcomes Measurement Information System™ \(PROMIS\) Statistical Center \(U54\)](#)  
September 26, 2008
- [Studies of the Ethical, Legal, and Social Implications \(ELSI\) of Human Microbiome Research \(R01\)](#)  
September 18, 2008
- [Roadmap Transformative R01 Program \(R01\)](#)  
September 9, 2008

### ALERTS

- [Important Changes in Electronic Grant Submission](#)
- [Transition Schedule](#)
- [Changes in Peer Review Coming in FY2009](#)

# Transformative R01 Program

Transformative projects in any area of NIH interest are encouraged and will be considered responsive to T-R01 funding opportunities. Areas of highlighted need that have been identified through a strategic planning process for the current initiative include:

- Understanding and Facilitating Human Behavior Change
- Complex 3-Dimensional Tissue Models
- Functional Variation in Mitochondria in Human Disease
- Transitions from Acute to Chronic Pain
- Formulation of Novel Protein Capture Reagents
- Providing an Evidence Base for Pharmacogenomics
- <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-08-029.html>

Feel free to be creative

# Resources for your Research

- Office of Biorepositories and Biospecimens Research:
- MGC: full length human and mouse cDNAs  
<http://mgc.nci.nih.gov/>
- CGAP/RNAi: <http://cgap.nci.nih.gov/RNAi>
- Nanotechnology Characterization Laboratory:  
<http://ncl.cancer.gov/>
- NCI research resources: from molecules to animals to family registries & statistics  
<http://resresources.nci.nih.gov/>



# Need More Information?

NCI Staff at this meeting listed in the program guide: OTIR, All divisions, SBIR

<http://imat.cancer.gov/>