


Upstate's Research Expansion


Steve Goodman, Ph.D.
Vice President for Research
Dean, College of Graduate
Studies



The Beginning: A Cultural Change

- I began my association with Upstate as a consultant in March 2008.
- The first order of business was to lead the development of a Strategic Plan for Research by July 2008.
- The focus of this Strategic Plan was to make Upstate Research more collaborative internally and externally.

The Strategic Plan for Strengthening Research



State University of New York
Upstate
Medical
University
SYRACUSE, NEW YORK

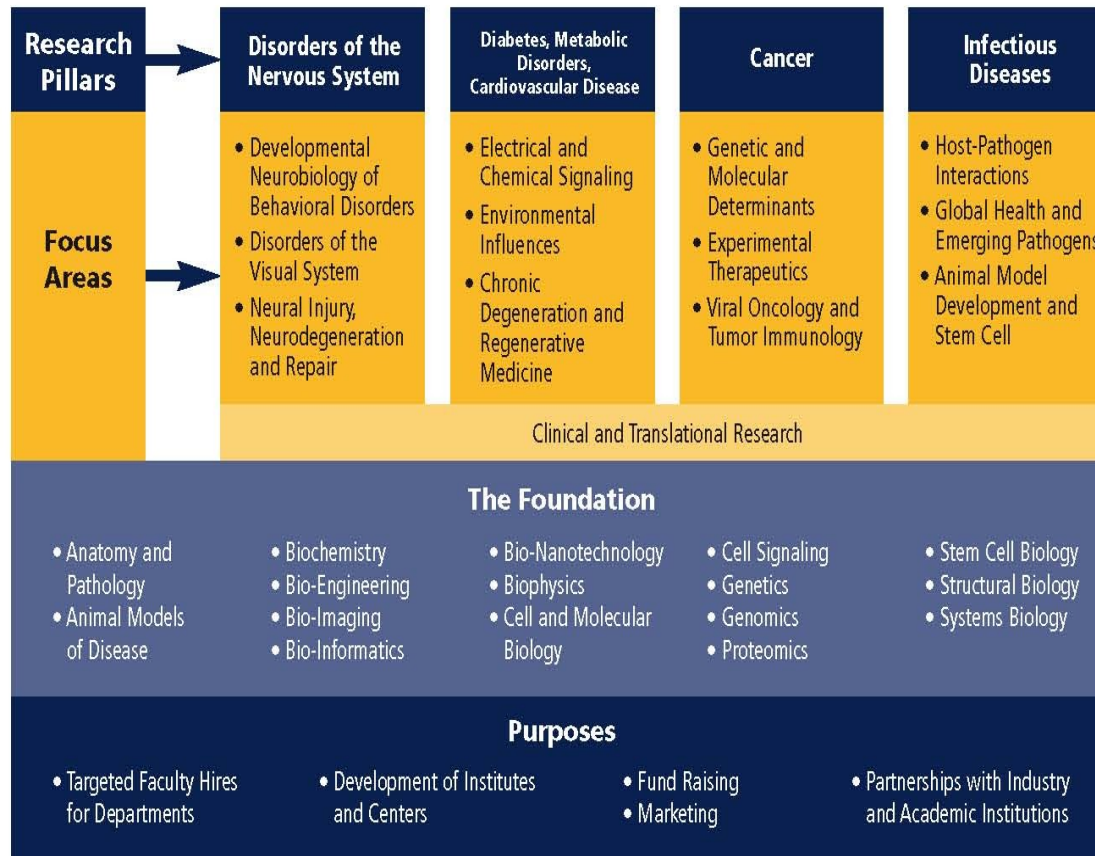
**Strategic Plan
for
Strengthening
Research**

Research Mission Statement

To foster highly integrative, collaborative-rich, multidisciplinary research programs that cross institutional borders, the research mission of Upstate Medical University is

- To improve the health of the global community through the execution of internationally recognized, innovative, and extramurally funded biomedical research programs;
- To meet current and future health needs by expanding knowledge in the biomedical sciences and developing new approaches for disease and disability prevention, management and cure; and
- To educate current and future generations of researchers, teachers, and practitioners.

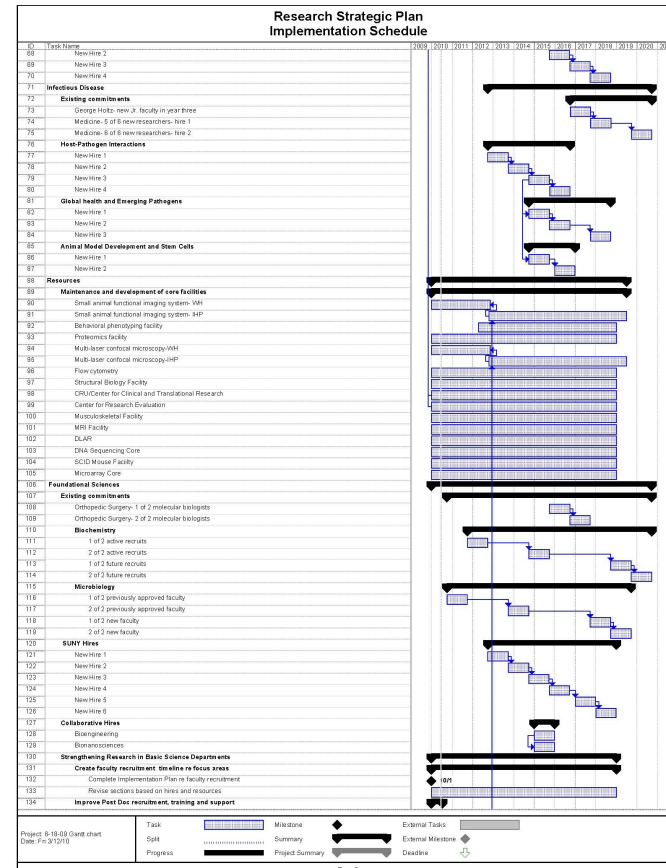
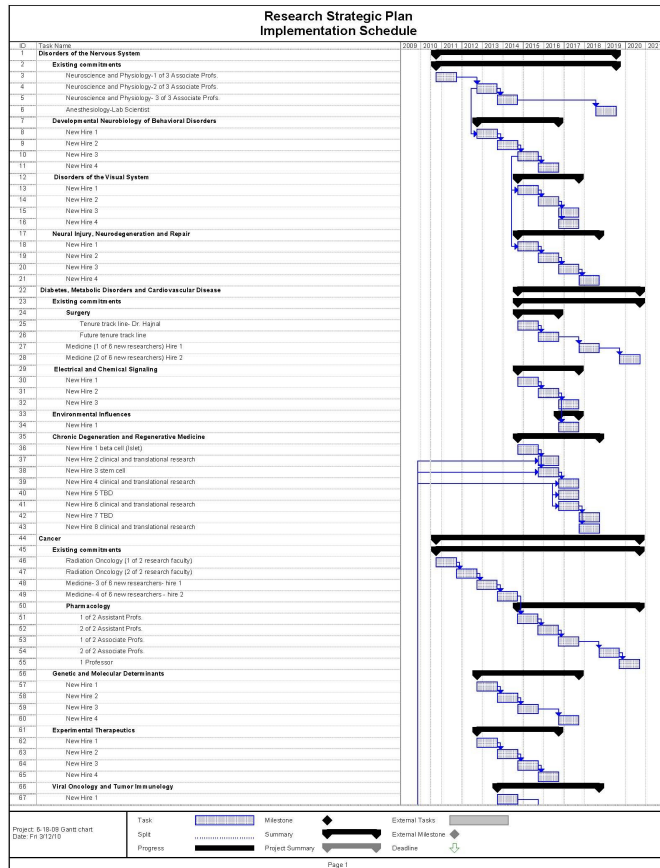
The Pillars, Focus Areas, and Foundational Sciences



10 Year Implementation Plan



All Implementation Decisions Are Based On the Research Strategic Plan



People

The most important
resource!



ReGELT: Research and Graduate Education Leadership Team



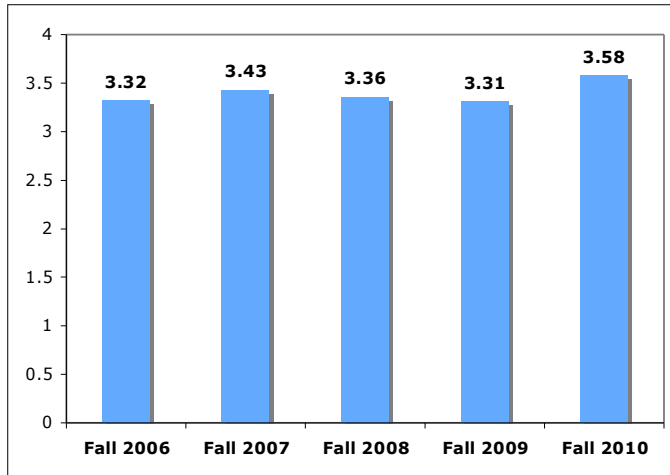
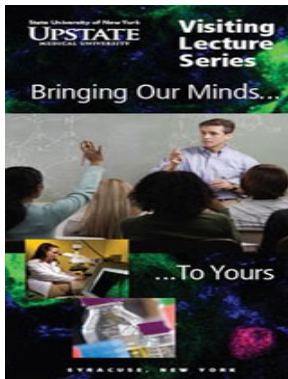
- Steve Goodman VP Research, Dean COGS
- Jeremy Shefner Assoc. VP for Clin. & Trans. Res.
- Nancy Nussmeier Assoc. VP for Research Integrity
- Cindy Dowd Greene Assoc. VP for Industry Relations
- Steve Youngentob Assoc. Dean, COGS

Strategic Faculty Hires Empire Scholars



- George Holz, Ph.D. Diabetes
- Bill Kerr, Ph.D. Cancer
- Francesca Pignoni, Ph.D. Vision Research

Recruiting the Best Graduate Students



Recruiting and Career Development for Post Doctoral Fellows



- Opened the Office of Post Doctoral Affairs.
- Office assists with recruitment, career development and finding positions for the post doctoral fellows

Research Space

IHP Expansion





IHP Expansion

- 100,000 gross sq ft research building
- One floor of parking, one floor small animal vivarium, and two floors of labs and offices.
- To be used for interdepartmental and interdisciplinary research in the Disorders of the Nervous System Pillar.

Research Cores

Tools of the Trade




Fee for Service Cores

- **Confocal/Two Photon Imaging**
- **Center for Research and Evaluation**
- **Laboratory Animal Facilities**
- **DNA Sequencing**
- **Flow Cytometry**
- **Humanized SCID Mouse & Stem Cell Processing**
- **In Vivo Computed Tomography**
- **Microarray Core**
- **MRI Research**
- **Musculoskeletal Core**
- **Proteomics Core**

Collaboration

We promote collaborations between Upstate and local, regional, state, national and international partners.



Regional Academic Partners

- SUNY ESF
- Syracuse University
- SUNY Binghamton
- SUNY Buffalo
- SUNY Albany
- University of Rochester (UNYTRN)

Upstate Cancer Research Institute

Participating Institutions

New York State

- SUNY Upstate Medical University
- SUNY Downstate Medical Center
- SUNY Buffalo
- SUNY ESF in Syracuse
- Cornell University
- Syracuse University
- Columbia University

Other States and International

- University of Oxford
- Stanford University
- University of California
- The Cancer Institute of New Jersey
- University of Maryland
- Moffitt Cancer Center, Florida

SUNY Collaboration

- **SUNY REACH Phase 1** \$600,000 contributed from within SUNY to support the beginnings of biomedical research collaborations.
- **SUNY REACH Phase 2** Proposed annual \$9.5 million budget to provide SUNY researchers with the funds to pursue collaborative projects and extend the program.
- **SUNY REACH Full Proposal** Proposed \$310 million investment to restore SUNY biomedical research prominence by drawing new faculty and improving facilities.



IIBMST MOU Signed August 26, 2009

International Institute of Biomedical Sciences and Technology

SUNY Upstate, Syracuse NY
Dr. David Smith



Technion-Israel Institute
Dr. Yitzhak Apeloig



National Cheng Kung
University, Taiwan
Dr. Michael Ming-Chiao Lai



IIBMST Goals

Develop collaborations between researchers in the biological, physical, engineering, computer and mathematical sciences leading to interdisciplinary team research.


Create a more seamless pipeline between academic research laboratories and industry produced products.



IIBMST Focus Groups

- Cancer
- Diabetes, Metabolic Disorders and Cardiovascular Disease
- Disorders of the Nervous System
- Infectious Diseases and Emerging Pathogens
- Pharmacogenetics and Personalized Medicine
- Regenerative Medicine and Tissue Engineering

Collaboration with Industry



State University of New York
UPSTATE
MEDICAL UNIVERSITY

Upstate Medical University – Industry
Collaboration Day

Location: Upstate Medical University
Setnor Academic Building 3507/3508
766 Irving Avenue
Syracuse, NY 13210

Date: May 8, 2009

Goals:

1. Increase awareness among regional industry of basic and clinical research strengths at Upstate Medical University.
2. Increase the awareness at Upstate of the interests of regional industry (focusing on biotech, biodevice, small and large molecule therapeutics, and stem cell technologies and products).
3. Discuss the role of the Central New York Biotechnology Research Center in stimulating further academic – industry collaboration in these focus areas.

Agenda:

8:30 a.m.	Continental Breakfast
8:50 a.m.	Introduction VP for Research, SUNY Upstate Medical University
9 a.m.	Introduction President, MedTech
9:15 - 10:30 a.m.	Executive Summaries by Upstate research leaders from each of Upstate's four pillars and foundational sciences (four pillar leaders for 15 minutes each and one foundational science leader for 15 minutes).
10:30 - 10:45 a.m.	Break
10:45 a.m. - 12:30 p.m.	Executive Summaries by Industry representatives (seven speakers for 15 minutes each, brief overview of each company's technologies, products and strategic priorities)
12:30 - 1:30 p.m.	Lunch
1:30 - 3:10 p.m.	Breakout groups (pillars and foundational sciences) using "speed dating" format.
3:10 - 3:30 p.m.	Break
3:30 - 3:50 p.m.	Group discussion on how to best follow up on this day of building relationships.
3:50 - 4 p.m.	Closing Remarks by VP for Research and President, MedTech

Entrepreneurship

Creating a new culture



Stimulating Entrepreneurship

Conversations In Entrepreneurship

JOIN US FOR UPSTATE MEDICAL UNIVERSITY'S NEWEST LECTURE SERIES
CONDUCTED BY LEADERS IN THE FIELD OF BIOMEDICAL ENTREPRENEURSHIP.

HEALTHCARE ENTREPRENEURSHIP: A PRIMER

Dr. Brian Meltzer is the business leader for Ortho Clinical Diagnostics and founder of RedScript Ventures, Johnson & Johnson

DATE: Friday December 10, 2010

TIME: 8:30-10:30 (Continental breakfast 8:30-9)

PLACE: Room 2231 Weiskotten Hall on the Upstate Medical University Campus
766 Irving Ave, Syracuse, New York

This lecture will cover:

- Entrepreneurship in terms of mitigating strategic risk.
- Business plan essentials, including key commercial and technical questions.
- Funding: the "rules of the road" for venture capital/angel funding.

Sponsored by Upstate's Office of Industry Relations
RSVP: 315-464-5384 or pazarask@upstate.edu

UPSTATE
MEDICAL UNIVERSITY
SYRACUSE, NEW YORK
State University of New York



Brian Meltzer, MD, MBA, is the creator of RedScript Ventures — the "white space"

franchise incubator for Johnson & Johnson. RedScript Ventures has founded nine companies wholly owned by J&J within its Medical Devices, Pharmaceutical and Consumer Groups. As the business leader for Ortho Clinical Diagnostics, he builds the commercial business behind novel molecular medical content.

Dr. Meltzer also originated Strategic Investment program for the Johnson & Johnson Development Corporation Venture Portfolio and created methodologies to accelerate the growth of strategic J&JDC investments.

Dr. Meltzer is board certified in internal medicine and is an Alpha Omega Alpha graduate of Upstate's College of Medicine.

The Central New York Biotech Research Center (CNY BRC)



- Bioincubator jointly operated by Upstate and ESF.
- 40, 000 gross sq. ft.
- Located at Kennedy Square.
- Will open in May 2012.

CNY BRC

We hope to promote:

- advances in the fields of biotechnology, pharmaceuticals, bioprocessing, medical devices, clean tech, and other life sciences technologies;
- facilitate the growth of new technology companies;
- and create jobs in Central New York.

Two Year's Progress

Research success

- 19% growth in expenditures
- Establishment of Cancer Research Institute
- Implementation of research space metrics
- Design of IHP expansion
- Progress in SUNY REACH
- MOU establishing IIBMST and Inaugural Ceremonies and Symposia
- Faculty Research Collaboration Day
- Student Research Day
- SUNY Upstate Visiting Lecture Series
- Research Administrative Staff/Post-Award Staff -President's Team of the Year
- SUNY Undergraduate Advisors Day
- Recruitment of academically strongest class of Graduate Students in Upstate history
- Establishment of the Post Doctoral Affairs Office

- Steve Goodman

Research Grants and Contracts

- During FY 09/10 research expenditures at Upstate grew by 19%.
- This was the largest increase in the SUNY System.
- In the first quarter of FY 10/11 research expenditures are up 17%.
- We project to be above \$40 million for the first time in Upstate's history.

Questions???

Thank you!

