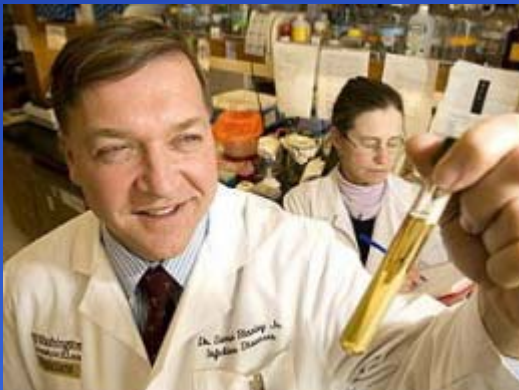


# Department of Surgery Research Opportunities

A. Laurie W. Shroyer, PhD, MSHA  
Professor and Vice Chair for Research  
Department of Surgery

# WELCOME!

You are at the Right Place at the Right Time!



# Department of Surgery Divisions

- Breast and Oncology (Dr. O'Hea)
- Cardiothoracic Surgery (Dr. Bilfinger)
- Colon and Rectal Surgery (Dr. Bergamaschi)
- General/Bariatrics/Foregut Surgery/XGS Service (Dr. Pryor\*\*)
- Otolaryngology and Head/Neck Surgery (Dr. Schessel)
- Pediatric Surgery (Dr. Scriven)
- Plastic and Reconstructive Surgery (Dr. Dagum\*)
- Trauma, Emergency Surgery, and Critical Care (Dr. Vosswinkel)
- Upper GI and General Oncology (Dr. Sasson)
- Vascular Surgery (Dr. Tassiopoulos)
- GME Training/Education Program (Dr. Scriven\*\*\*)

\*Executive Vice Chair, \*\*Vice Chair, \*\*\* GME Training Pgm. Dir.

# Research Training and Projects

- Deliver research-related training
- Offer team-based research project experiences
  - Support trainee faculty mentored research projects
    - High school students
    - Undergraduate students
    - Medical/Health Professional students
    - GME Trainees = key member of research team!
  - Provide continuum of research opportunities
    - Basic science
    - Translational science
    - Clinical science

# Research Training

- Annual Research Day Event
  - Scheduled = Thursday morning, June 8, 2017
  - Deadline for Project Abstracts = March 1, 2017
- Research Lectures
  - Monthly Lecture/Interactive Sessions
  - Routinely Scheduled Research **“Hands On”** Workshops
    - Project Support
      - Biomedical Research Resources
      - Database programming
      - Database cleaning/reporting
      - Basic statistical analyses

# Research Training

- Graduate Courses

- Summer HPH 521 “Introduction to Clinical Research”
- Spring HPH 566 “Clinical Trials”
- Spring HPD 650 “Seminar Series: Clinical Applications of Molecular Medicine”
- Summer HPH 521 “Introduction to Clinical Research”

- Writing Workshops

- Manuscript writing/ Grant writing

# Hypothesis-Driven Research

- “Hands-on” research project experience
- SBU SOM Training Requirements
  - **Responsible Conduct of Research**
  - **Conflict of Interest**
  - **HIPAA Research (Privacy/Confidentiality/IT Security)**
- Animal-based
  - Laboratory/Animal-Specific Trainings
  - IACUC Approved/IACUC Exempt
- Human Subjects
  - Human Subject Ethics
  - IRB Approved/IRB Exempt

# Common Trainee Objectives

- Advance Scientific Knowledge  $\Leftrightarrow$  Improve Clinical Care
- Networking Opportunity
- Scholarly work  $\Leftrightarrow$  Academic Currency
  - Abstract/poster submitted to national meeting
  - Manuscript
  - Grant application
- Enhance Competitive Status





# Education-Related Projects

- Surgery Simulation Center
  - Dr. Thomas Bilfinger
  - Dr. Elliot Regenbogen
  - Dr. Frank Seifert
  - Dr. Tassiopoulos



# Systematic Review Manuscripts

- SR Faculty (Examples)
  - Dr. Elliot Regenbogen
  - Dr. Laurie Shroyer
  - Ms. Jennifer Lyon



# Bio-bank/Tissue Bank



- New Cryogenics Facility
- Dr. Richard Kew
- Dr. James Davis



# Key Web Sites to Review:

- Department of Surgery Web Site
  - <http://medicine.stonybrookmedicine.edu/surgery/divisions>
- Office of Scientific Affairs
  - <http://www.osa.sunysb.edu/>
- Office of the Vice President for Research
  - <http://www.stonybrook.edu/research/>

# Historical Research-Focused Residents

- Dr. Maria Altieri (mentors – Drs. Telem and Pryor)
- Dr. Gabe Klein (mentors – Drs. Dagum and Bui)

# Be Sure to Get Library Trainings

- Advanced Literature Searching Techniques
- Endnote Bibliographic Software
- HSC Reference Librarians (Level 3):
  - Jennifer Lyon



Stony Brook *Medicine*



# For Further Information:

- Dr. A. Laurie Shroyer (444-8343; Kathy O'Brien asst.)
  - [annielaurie.shroyer@stonybrookmedicine.edu](mailto:annielaurie.shroyer@stonybrookmedicine.edu)



# Clinical Decision-Making Process

“An ideal physician is defined as one who selects and implements the strategy of care that maximizes health status improvement without wasted resources.”



Donabedian, et. al. 1982