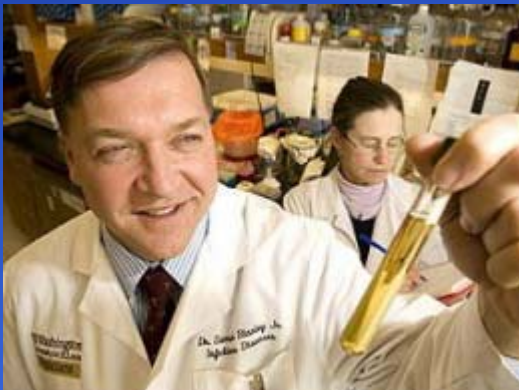


Department of Surgery Research Opportunities

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

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