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 ↔ Improve Clinical Care
- Networking Opportunity
- Scholarly work ↔ 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
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