

## DIVISION OF SURGICAL DISCIPLINES BIOSTATISTICS ACCESS

### Principles for Statistical Collaboration

1. Fair & transparent – clear criteria/requirements, constructive feedback
2. Educational – builds Surgery Section capacity for high quality research
3. Measureable – track/monitor process & outcomes
4. Productive – grants & manuscripts
5. Collaborative – effective clinical & statistical partnership; complete work in specified timelines
6. Predictable – defined timeline for application/analysis/manuscript
7. Quality control – Ensures sound statistical analyses required by high-impact journals and NIH funding

### **How does an investigator access the Surgery BERD Core for pilot/unfunded work?**

#### **Option A: Office Hours**

Goals for office hours:

- 1) Rapid access for initial conversation/consultation regarding statistical or research design question.
- 2) No more than 3 office hour sessions for discussion and feedback on topic/project.
- 3) A summary (no more than 1 page) of the research question or topic for discussion, while not required, is highly recommended in order to facilitate the office hour discussion.
- 4) Sustained collaboration for the project should subsequently occur through Option B or Option C, below.

#### **Option B: Merit-based Model**

- 1) Competitive access to collaboration with BERD statisticians to support unfunded pilot research
- 2) Open to all faculty, or trainee/learner with faculty supervision
- 3) Submission must be endorsed by research vice chief of the faculty member's division
- 4) Oversight of process by SCORES, peer review by faculty
- 5) Short (4-6 pp) application summarizing proposed work and expected manuscript content/table shells
- 6) Focused scope of work (1-2 aims).
- 7) Initially, 4 submission cycles per year, anticipate supporting ~4 projects per cycle.
- 8) Manuscript submission within 90 days of final statistical report is required.

Phase	Phase 1	Phase 2	Phase 3	Phase 4
Cycle	Workshop/Review	Prep/Planning	Analysis	Manuscript

#### **Option C: Co-investment projects**

- 1) Access to collaboration with BERD statisticians to support unfunded research
- 2) Open to all faculty, or trainee/learner with faculty supervision
- 3) Oversight of process and prioritization by divisional research leadership
- 4) Short (4-6 pp) application summarizing proposed work and expected manuscript content/table shells
- 5) Focused scope of work (1-2 aims), should be approximately 3 months duration for collaboration.
- 6) Shared cost of \$3000 per project

#### **Option D: Grant Preparation (externally funded)**

- 1) Engage BERD core statistical team early in grant development
- 2) Grant development work is prioritized and will include:
  - a. Sample size justification, statistical analysis design, etc
  - b. Budget estimate for planned biostatistical scope of work on grant
  - c. Request must be submitted at least 2 months prior to grant submission deadline
  - d. NOT for preliminary analyses (use Option B or C instead)
- 3) Grant budget must include sufficient support for planned analyses. Cost sharing requires Duke institutional approval.
- 4) Link to BERD core: <https://redcap.duke.edu/redcap/surveys/?s=X43KKNFLJ7>
- 5) Link to e-Grafts: <https://surgery.duke.edu/e-grafts>
- 6) Link to Surgical Disciplines Biostatistics Request Form: <https://bit.ly/SSD-BiostatsSupport>