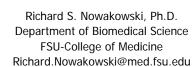
Writing an R01: A Hands-On, **Brain Engaged Workshop**



Sponsored by: FSU Office of Proposal Development



Who decides if a grant is "excellent"? (Translation: Who rates the scientific merit of a proposal?)

- The Applicant
- Study Section Review Administrator (SRA)
- Reviewers
- Program Officer
- Council

The REAL Challenges of Writing an Excellent Grant

Two Challenges

- To have truly excellent ideas
- To communicate them clearly to a diverse group of reviewers
 - If the reviewers cannot see how truly excellent your ideas are, your grant will NOT get an excellent score.



The Importance of Presentation

- Excellent ideas can be invisible if presentation is not clear
 - Good Science + Bad Presentation → Probably not scored
- High quality presentation can enhance idea
 - Good Science + Good Presentation → Scored, but probably not competitive
- The best science requires a clear presentation to be understood
 - Excellent Science + Excellent Presentation → Great Score, probably funded (top 10%)



Elements of a research grant

- Hypothesis and Long-Term Objectives
- Specific Aims
- Background and Significance
- **Progress / Preliminary Studies**
- Research Design and Methods
- Literature Cited



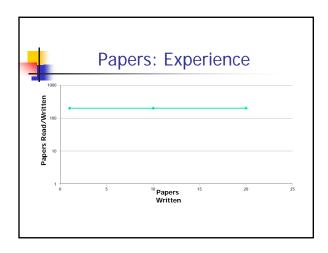
What to write when?

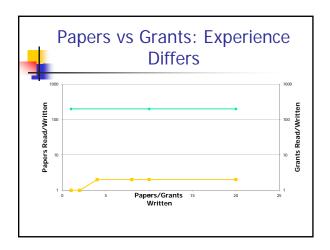
Specific Aims

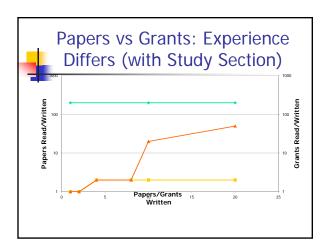
- These need to be done first

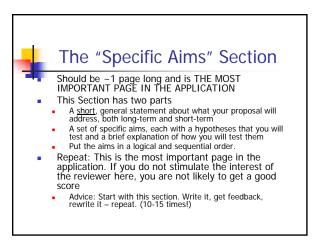
 - They provide a road map for the research

 Common fatal flaw A grant with Aim 1 as the key; if it fails then the whole grant collapses → low priority.
- Get feedback and revise before proceeding
- Experimental Design
 - This is an extension/explanation of the Specific Aims
 - This section should be written to be parallel in structure to the Specific Aims
- Rest of proposal
- More parts, etc.
- Abstract/Budget
 - Abstract is for lay people (reviewers read it only if rest of grant is not clear!)











- Think about an experiment that you are doing or that you want to do
- Write down a few sentences about that experiment as if you were writing a Specific Aim for a grant
- 5 minutes

