The Transition from Grad Student to Junior Faculty

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Introduction

• MSEE
• BSN
• PhD
• Post-Doc
• Faculty Position
Small grants lead to bigger grants
Grad Student Opportunities

Small to big grants
• 1st grant - Undergrad Honors research student ($300)
• 2nd grant – Grad research grant ($600)
• 3rd grant – Post-doctoral training research grant ($38K)

• Grant writing opportunities
  • Small grants
  • Mentor’s grants

• Research Opportunities
  • Industrial Engineering and Nursing: Microsoft Health Vault
  • PI study on telehealth
  • Doctoral Dissertation on home health telehealth data
Post-doc fellow opportunities

Current priorities and Future funding Trends – Guest speakers from AHRQ, PCORI, NIH

Multiple publications – many lens/perspectives to a study
Junior faculty

Disclaimer

WORK IN PROGRESS
Junior faculty

- Research Productivity Measure – Publications and Grants

- Publications – Immense Value
  - Response to Reviewers
  - Journal Article Reviews (Service)

- Grants progression
  - Small to large
  - Intramural to extramural

- Many pieces to a grant
  - Biosketches,
  - Human subjects protection,
  - Letters of support,
  - Budget,
  - budget justification,
  - Appendix items
Junior faculty

- Writing mentorship
  - Senior funded researchers
  - Mock reviews
  - Grant workshops
    - Get the basics right (RCT protocols)

- Editorial services (77% get published as opposed to 21%)

- External reviewers – content expert and successfully funded
Junior faculty

• Keep abreast of scientific and non-scientific literature – future trends

• Networking and collaboration
  • Hidden opportunities (St. Davids case)
  • Academic conferences (data access)
  • Inter-disciplinary committee meetings
    • Complexities of a large campus
Junior faculty

- Research task delegation – hiring student assistants

- Funding agencies
  - Federal
  - Foundations
  - Important to know faculty department priorities
Questions?