Associate Deans for Research

• Assoc. Dean for Res. CMNS – Dan Lathrop

• Assoc. Dean for Res. Clark School – Alison Flatau

• Scientific coordinator (CMNS) Barbara Brawn-Cinani
Proposal planning

Persistence is the most important element

Read all the reviews and seriously digest prior to next attempt

Brainstorm possible project directions – new and ambitious – take risks

Gather ideas from peers, seniors, literature – cite everyone

Set aside time -- 40 productive hours (for me) to prepare a proposal

Get results

  scientific results - figures for proposals
  publications
  time better spent here than on too many proposals

nsf.gov study programs and abstracts of existing grants
doe.gov, nih.gov etc.

Grant Proposal Guide (GPG) gives instructions

Visit program officer
Proposal Writing

Write an outline including figures for a start

→ Understand how a reviewer evaluates your proposal!

NSF Key concepts
- Intellectual merit
- Broader impacts
INTRODUCTION

General introduction suitable for non-specialist
Why that agency?
Why that program?
Specifically address the call for proposals goals, each and every one if possible
Why you?
Why this science?
Why now?
Statement of need for funding -- in introduction
Scientific impact
Human resource impact and EOE
Impact on public appreciation of science
Proposal Writing (3)

PROPOSAL BODY

Section: Background
Section: Research plan
Address problems openly and humbly
Add results in hand supporting capability
Section: management and personnel
Education/Outreach
  realistic
  engaged
  mentoring (caring)

Quality matters – intro, figures, references
Partnering with federal R&D laboratories

Use our unfair advantage: NIH, NIST, GSFC, NRL, FDA

Committed to the idea of teaming NIST researchers with UMCP researchers

• Increased productivity
• Leverage the strengths of both organization
• Entrepreneurship for Federal Scientists and Engineers
• Fellowship programs – team building and efficiency!
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How can we be helpful?