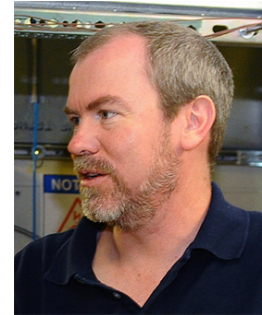


Associate Deans for Research

- **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



Proposal Writing (2)

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!



Associate Deans for Research

How can we be helpful?

