

Session 1B Notes – Workshop for New NRCEN Members

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Jill Andrews – Introduction

Goals for Broader Impacts, support; what questions should we be asking?

Margaret Tolbert – NSF

NSF since 2002; biochemist; teacher; Howard Hughes Medical Institute, etc.

Overview of the NSF – Getting Involved

NSF organization structure

Call program officers to find program information – for best fit and right person

Vision and Goals: discovery, learning, stewardship

How NSF works

Criterion 1 and Criterion 2

NSF Programs: ¼ of Federal support to academic institutions; 40,000 proposals a year

20% get funding

11,000 fellowship applications

Terminology changes – be aware

Funding ideas; research and education ideas

Reinforce institutional strengths

Be well connected in your institution

Institutional transformation

Partner with similarly interested groups

Treat collaborations strategically

Institution should reach its objectives

Organize project for lasting impact

Develop trust with partners and long term relationships

All partners should contribute

Participants are skilled and if not train them

Clear intent of what project is about and communicate it with all partners

Determine intellectual property first

Multidisciplinary projects rule

Seeking funding: read all documents and follow instructions

Read strategic plan for NSF

Be sure to help train workforce, scholars, train Americans first – broaden your field to reach out to underrepresented groups

Bring all students up to par from their own starting points

Inspire young people to help find your replacement

Check funding dates
Find out who to talk to
Be sure you talk to them, will help in fine tuning

Program examples, research topics; requirements (see slides 18-27)

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Q&A

Q: How do we effectively seek underrepresented minorities?

A: Exhaust all opportunities; advertise someplace else than the "normal" channels. Make personal visits. Use some innovation.

Q: Cyberinfrastructure for E&O?

A: yes – use it – talk with Dan Atkins, Head of CIO

Q: International recruiting?

A: there are supplements available to fund international researchers.

Q: How do we find persons with disabilities? Disabilities not clearly defined – need guidance

A: NSF is holding a mini-symposium on October 15, 2007 on this subject. Show you made an effort to recruit; contact Mark Leddy at NSF to discuss persons with disabilities.

Q: How do divisions cooperate for outreach?

A: Push to have education interfaced with research

Q: Value of K12 students going on to University campuses?

A: struggling to fund more visits; NSF does value it; Centers must have 100% time E&O professional

ISE People involved throughout education programs

Jill: follow up. Sign up on NSF.gov to get automated emails with opportunities in your area of interest.

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Jill Andrews: NSF Criterion 2: Broader Impacts.

See slides.

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Part II: Job description of an Education and Outreach Professional. We broke into small groups and worked to create an ideal job description.

See separate documents for job descriptions.

End Notes: Jill Andrews

As professionals, we need infinite patience; always follow through; must be flexible, able to work with all kinds of personalities; networking is critical.

Use Neo-Sphere as a resource.

Q: how long is job tenure? Burnout?

A: These are high pressure, high stress jobs; but people love the work so much they can cope with down sides of the job; we're making a difference in the world. Networking helps with coping.

There's a high demand for good E&O professionals now.

Young faculty have a better appreciation for the value of E&O programs.

Young faculty can "carry the torch" and advocate with other faculty.