BECOMING A NSF PROGRAM OFFICER

Clemson Office of Research Development
Speaker Series
2-7-18

Overview

- A Brief Introduction to NSF
- My Journey
- Why you might want to serve?

Introduction to NSF

- Founded in 1950
- FY17 budget $7.5 billion
- ~2100 employees
- ~200 rotators

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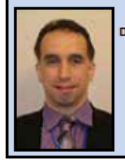

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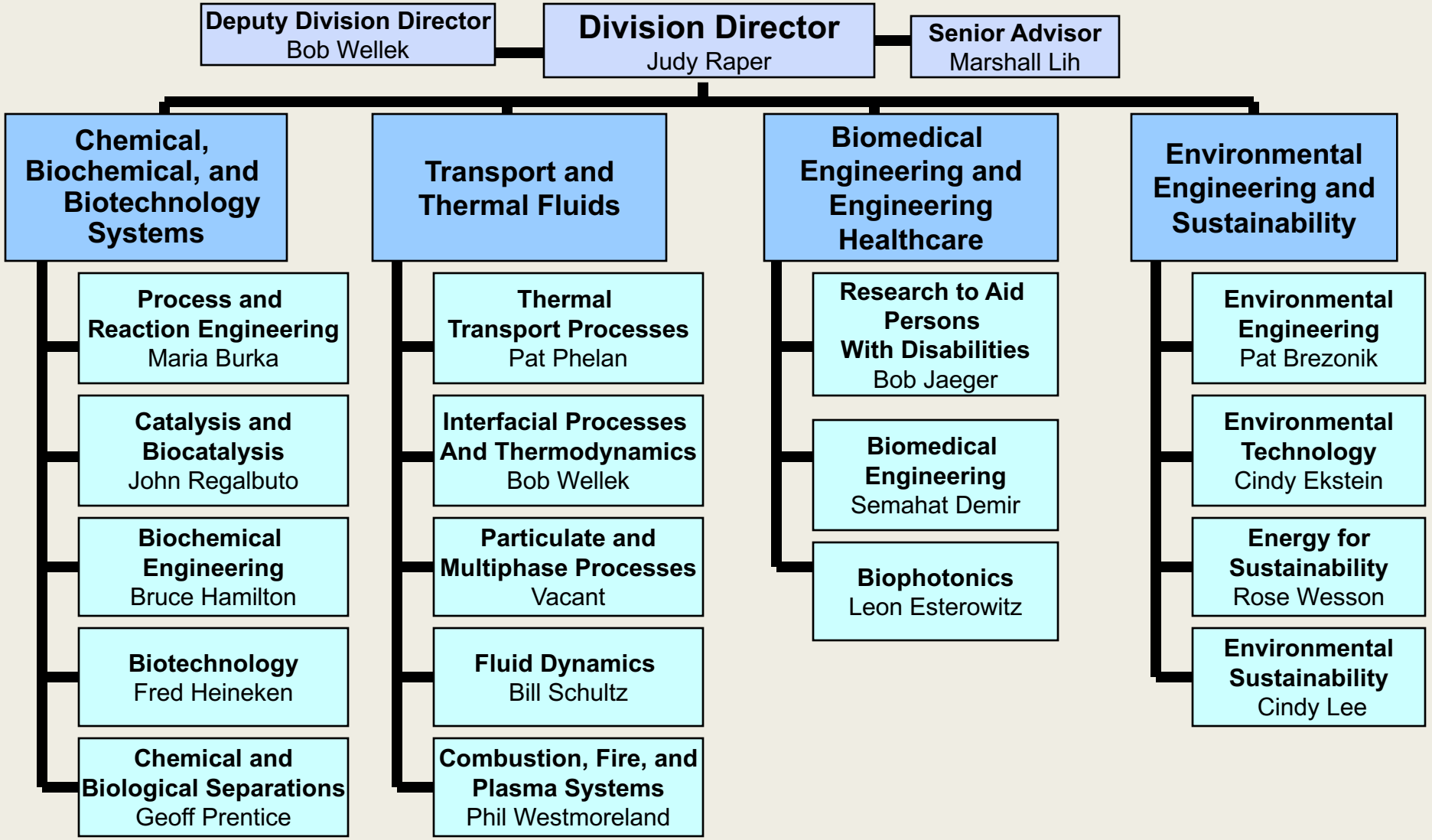
Dorothy Aronson, Chief Information Officer
703.292.4299

Chemical, Bioengineering, Environmental, and Transport Systems

FY 2007



NATIONAL SCIENCE FOUNDATION | DIRECTORATE FOR ENGINEERING

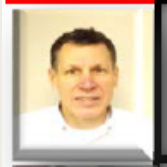
Chemical, Bioengineering, Environmental, and Transport Systems Division (CBET)

FY2017

Dr. JoAnn S. Lighty
Division Director

Deputy Division Director (Vacant)

Chemical Process Systems



1401
Catalysis
Bob McCabe

1417
Process Separations
Angela Lueking

1403 – Process Systems, Reaction Engineering, and Molecular Thermodynamics
Triantafillos (Lakis) Mountziaris

7644
Energy for Sustainability
Carole Read

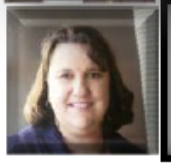
Engineering Biology and Health

1491
Cellular and Biochemical Engineering
Steve Peretti

5345
Engineering of Biomedical Systems
Michele Grimm

7236
Biophotonics
Leon Esterowitz

7909
Nano-Biosensing
Rajakkannu Mutharasan



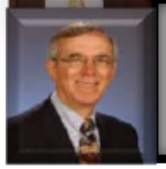
5342
Disability and Rehabilitation Engineering
Michele Grimm

Environmental Engineering and Sustainability

1440
Environmental Engineering
William Cooper

1179
Biological & Environmental Interactions of Nanoscale Materials
Nora Savage

7643
Environmental Sustainability
Bruce Hamilton



022Y
INFEWS
Jim Jones

Transport Phenomena

1407
Combustion and Fire Systems
Song-Charng Kong

1443
Fluid Dynamics
Ronald Joslin

1415
Particulate and Multiphase Processes
Susan Muller

1406
Thermal Transport Processes
José Lage

Biomedical Engineering
Carol Lucas
EXPERT

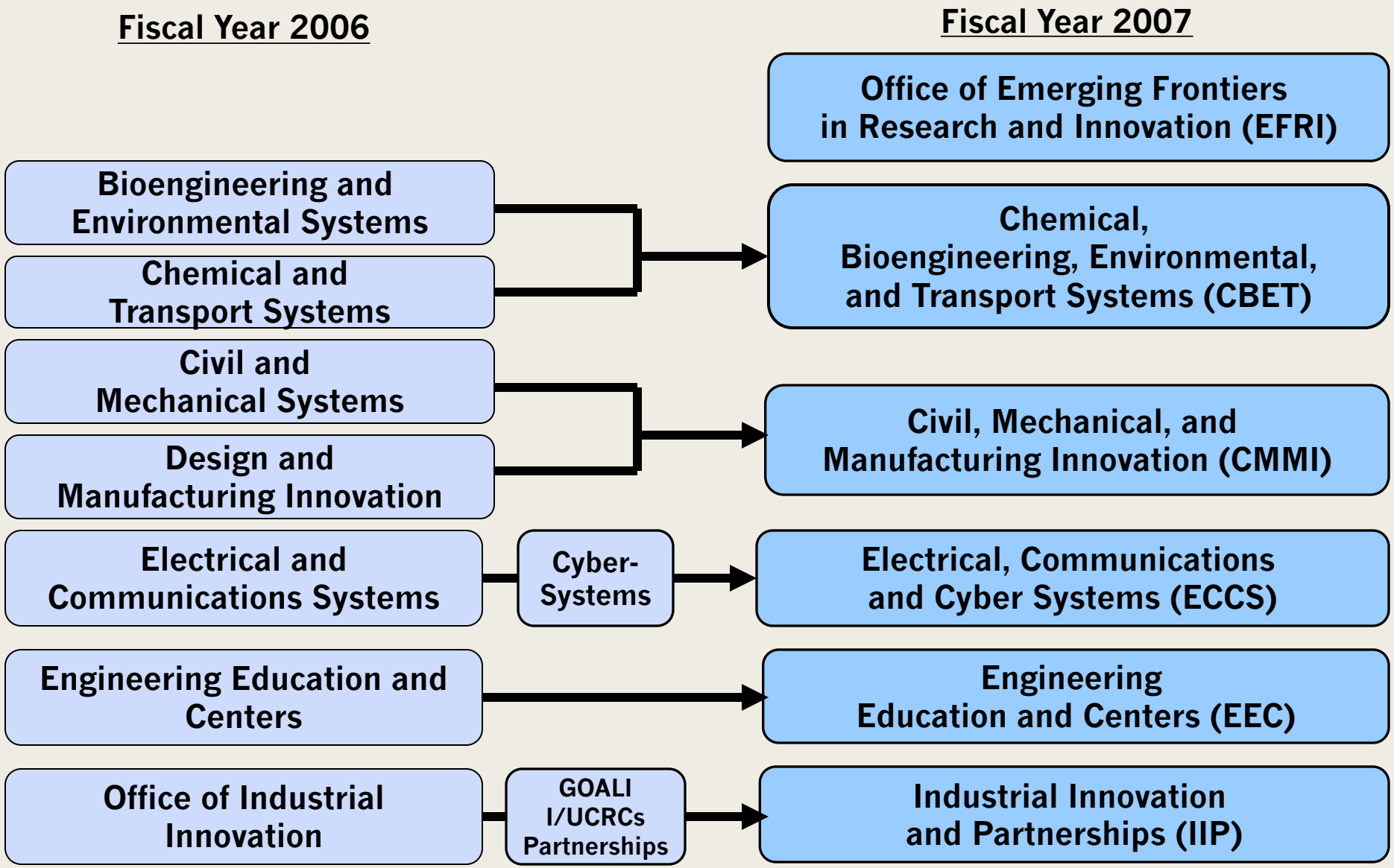
Multiple Programs
Geoff Prentice
EXPERT

CBET is located in Stafford I Building South, in Suite 565 // **Updated June 2017**

My Journey

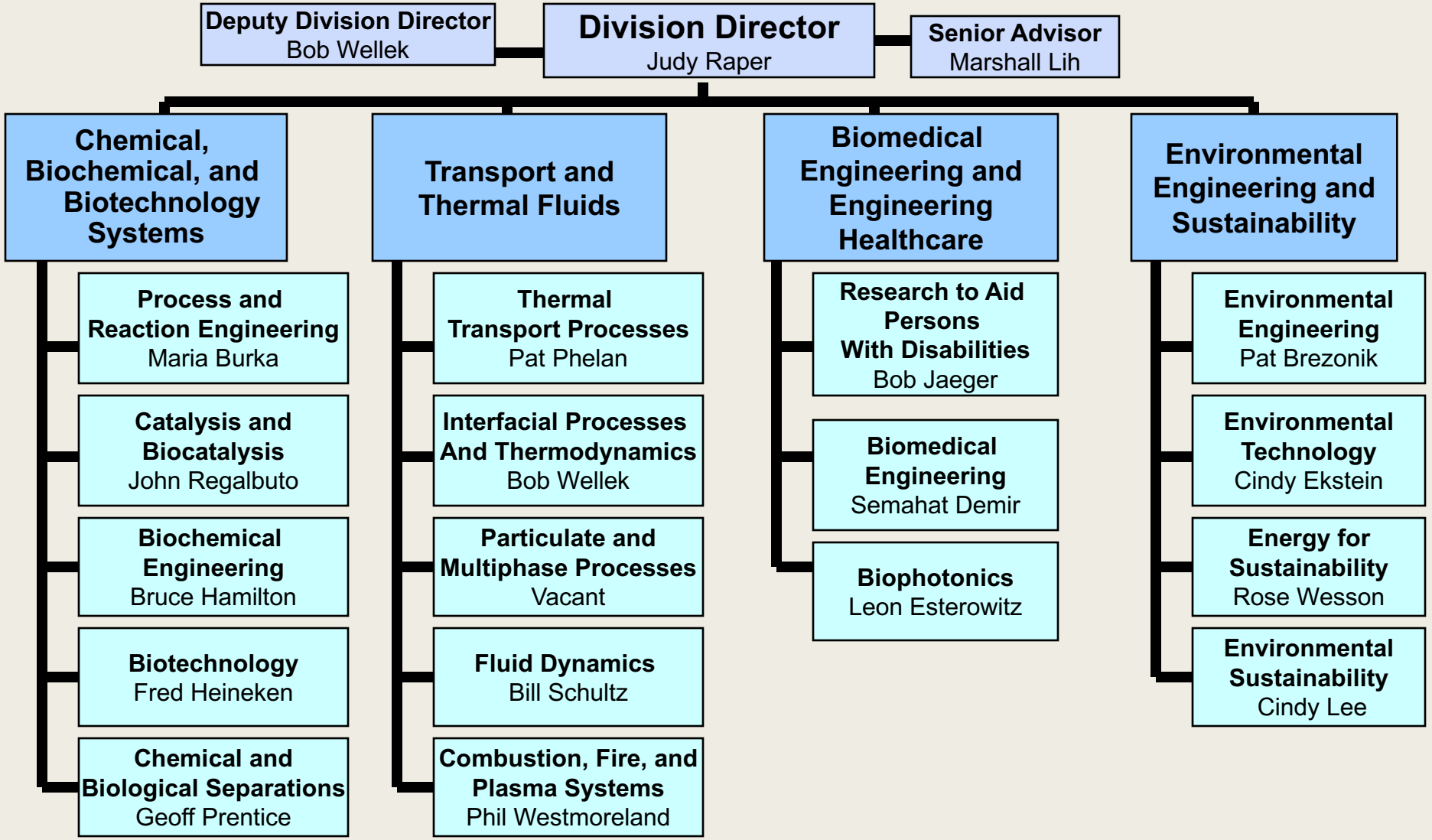
- Applied fall 2005
- Interviewed fall 2005
- Started July 2006
- Served one year

Merging Divisions and Priorities



Chemical, Bioengineering, Environmental, and Transport Systems

FY 2007



Industrial Ecology

PEPSI

NREL
National Renewable Energy Laboratory

Process for becoming a program officer

- Career Opportunities
  - *https://www.nsf.gov/publications/vacancy.jsp?org=CBET&nsf_org=CBET*
- Dear Colleague Letter
- Typical academic job interview
  - *Presentation*
  - *Interviews*
- Search Committee

Dear Colleague Letter

Program Directors have an unparalleled opportunity and responsibility to ensure NSF-funded research is at the forefront of advancing fundamental knowledge. In support of that, Program Directors are responsible for extensive interaction with academic research communities and industry, as well as interaction with other Federal agencies that may lead to development of interagency collaborations. Within this context, Program Directors solicit, receive and review research and education proposals, make funding recommendations, administer awards, and undertake interaction with research communities in these fields. They are also responsible for service to Foundation-wide activities and initiatives that together accomplish NSF's strategic goals to: 1) Transform the Frontiers of Science and Engineering, 2) Stimulate Innovation and Address Societal Needs through Research and Education, and 3) Excel as a Federal Science Agency. The position requires a commitment to high standards of intellectualism and ethical conduct, a considerable breadth of interest, receptivity to new ideas, a strong sense of fairness, good judgment, and a high degree of personal integrity.

Dear Colleague Letter

Applicants should have a Ph.D. or equivalent training in a field of engineering plus after award of the Ph.D., six or more years of successful independent research or research administration (for IPA, academic rank of associate professor or higher). The position requires a broad knowledge of the relevant disciplinary areas of the Division of Chemical, Biological, Environmental and Transport Systems and knowledge of the general scientific community. Experience working within a team environment and some administrative skills (budget, people) are needed. Appointees are expected to function effectively both within their specific program and as a member of crosscutting and interactive teams. Skills in multidisciplinary research are highly desirable.

Intergovernmental Personnel Act (IPA)

Intergovernmental Personnel Act (IPA) Assignment: Individuals eligible for an IPA assignment with a Federal agency include employees of State and local government agencies or institutions of higher education, Indian tribal governments, and other eligible organizations in instances where such assignments would be of mutual benefit to the organizations involved. Initial assignments under IPA provisions may be made for a period up to two years, with a possible extension for up to an additional two-year period. The individual remains an employee of the home institution and NSF provides the negotiated funding toward the assignee's salary and benefits. Initial IPA assignments are made for a one-year period and may be extended by mutual agreement. For additional information regarding IPA positions, please visit the NSF website at: https://www.nsf.gov/about/career_opps/rotators/ipa.jsp.

Advantages

- National and international profile
- Increases network of colleagues
- Broader view of the research community
- Opportunities for future employment

Disadvantages

- Moratorium time for submitting proposals
- One and a half jobs, at least
- Less funding

Questions?