

## IDIA P3 Faculty Fellowship Program

<https://idia.gmu.edu/p3-faculty-fellowship/>

### IDIA Office Hours

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# About IDIA

Three Themes

## IDIA Mission & Focus

Engaging researchers, innovators, and scholars in cutting edge work to shape the future of our digital society while promoting equality, wellbeing, security, and prosperity.

### Technology

New algorithms, digital techniques and technologies

Theme 1



### Systems

Developing and deploying computing systems to advance fields as diverse as finance, education, national security, and social justice

Theme 2

### Digital Society

Engaging in critical reflection that examines the implications of digital innovation ensuring social, ethical, political, and economic impact

Theme 3

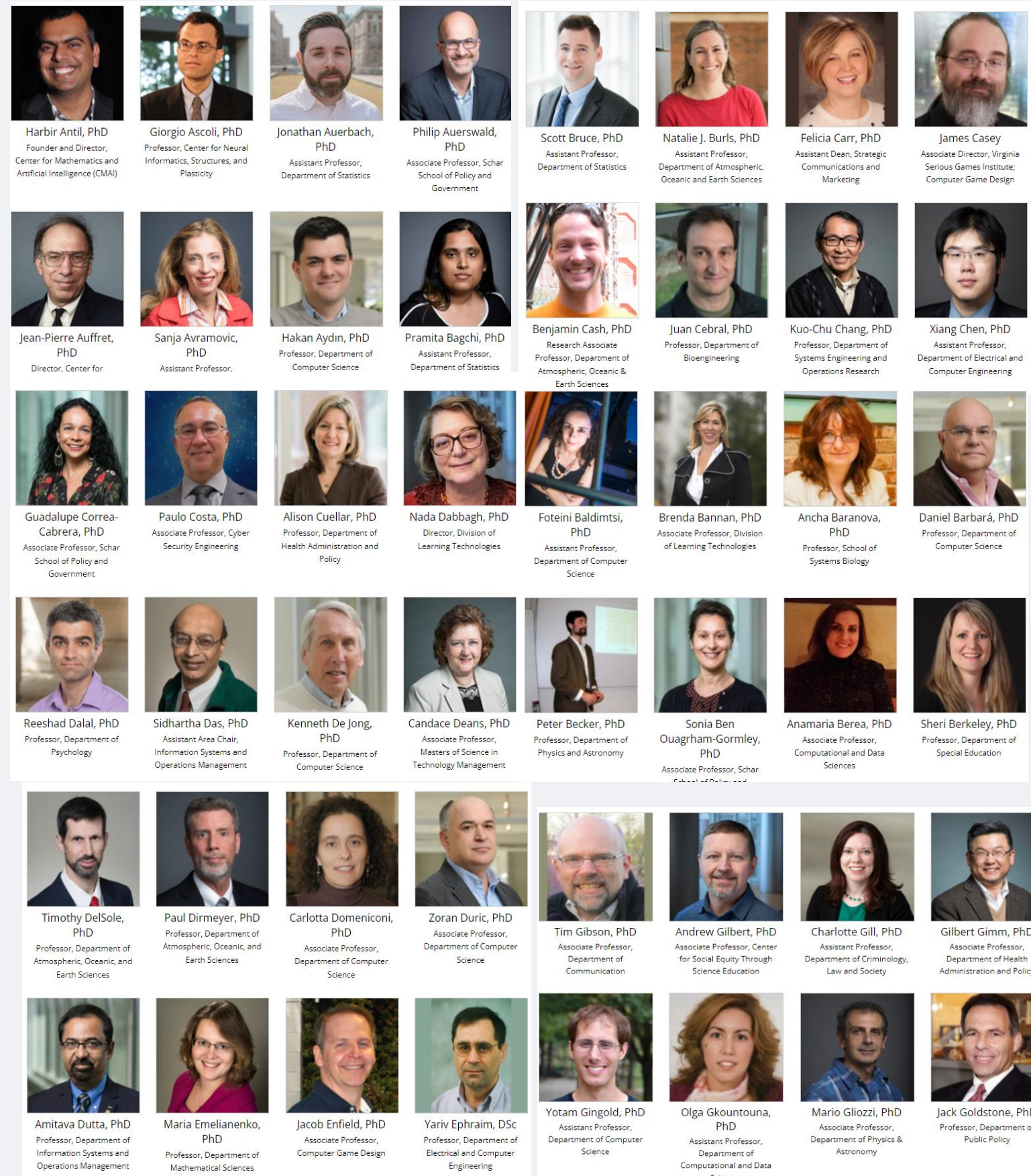




# IDIA P3 Faculty Fellowship Program: Focus & Intent

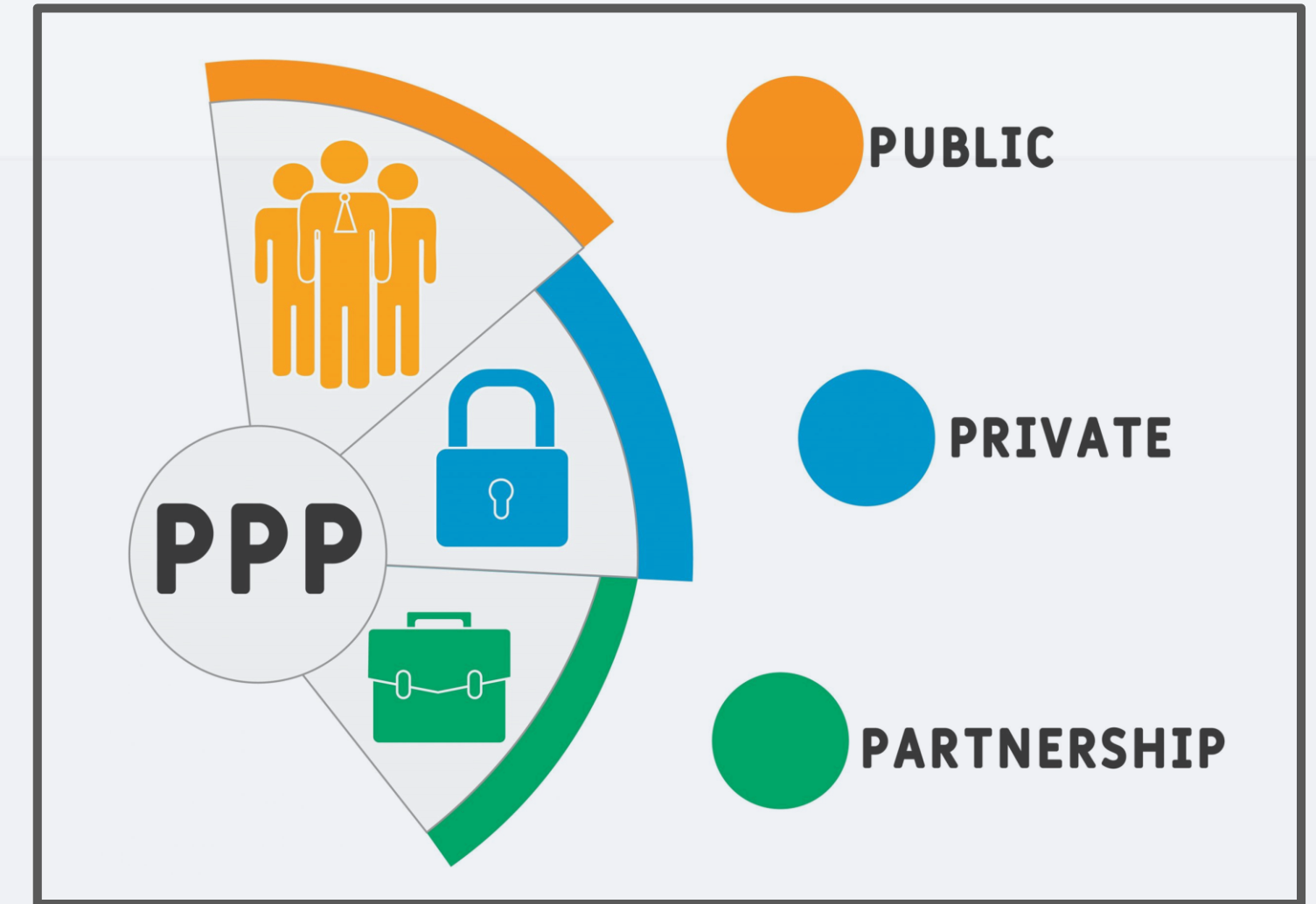
## Focus of this Program

- Mason Faculty and Researchers



## Program Intent

- Stimulate research collaborations and partnerships between George Mason University and industry partners
- Address impactful societal problems and cutting-edge digital solutions of consequence to the local, regional, or national economy
- Directly support the growth of Mason’s digital innovation ecosystem and catalyze a tightly integrated academe-industry community of innovation
- Strengthen IDIA research community and identity





# IDIA P3 Faculty Fellowship Program: Attributes

## Important Programmatic Attributes

- Deeply collaborative teams between Mason faculty/researchers AND industry partners
- Further scientific and engineering foundations
- Enable future breakthrough technologies
- Address critical industry needs
- Broadly benefit our society
- Constitute digital innovation for good
- Note new emphasis on connection with CET



*Competitive applications align with IDIA's mission of catalyzing cutting-edge computing research that shapes the future of our digital society and promotes equality, well-being, security, and prosperity. More information about IDIA can be found at [idia.gmu.edu](http://idia.gmu.edu).*



# IDIA P3 Faculty Fellowship Program: Eligibility

## Who Can Apply

- Only current employees of George Mason University can apply
- Limited to tenure-track, tenured, or research-track faculty
- An individual may participate in only one proposal
- *Being a consultant for a company disqualifies that individual from participating in this program through a partnership with that company*

## Preparatory Work

- Identify an industry partner that commits to a deeply collaborative relationship to work jointly on a problem of critical importance to industry and society at large

## How to Apply

- The application template (and other submission information) can be found at:  
<https://idia.gmu.edu/p3-faculty-fellowship/>

**Application Deadline: April 08, 2024, 11:59 PM EST**



# IDIA P3 Faculty Fellowship Program: Award Information

## Fellowship award

- Provided as a one-time, *standard* award (no increments, no requirements on budget categories)
- Expected to be in the range of \$50,000 to \$75,000

## Fellowship Duration

- Up to two years

## Numbers of Fellowships

- Up to three for FY 24, contingent upon the quality of submissions
- Annual growth in cohort size is anticipated contingent upon availability of funds



# IDIA P3 Faculty Fellowship Program: Structure

## IDIA P3 Faculty Fellows are expected to:

- Identify an industry partner that commits to a deeply collaborative relationship to work jointly on a problem of critical importance to industry and society at large
- Formulate a novel research approach that has high intellectual merit and promises to lead to a breakthrough technology with high broader impact
- Provide evidence of the commitment of the industry partner on joint research and innovation

*Industry partners can have a local, regional, national, or international footprint.*

## Evidence of partner commitment can include one or more of the following:

- A letter of shared interests and mission by a company representative
- Access to and utilization of company data, hard, and/or software infrastructure
- In-kind commitment by allocating company staff to work jointly with Mason faculty
- Opportunities for Mason undergraduate or graduate students potentially included in the project to further their experience through internships and other industry-housed activities and events



# IDIA P3 Faculty Fellowship Program: Requirements

IDIA P3 Faculty Fellows are considered an integral part of the IDIA community.

As such, they will have the *opportunity* to:

- Take part in community-building events with other IDIA fellows and faculty
- Collaborate with other fellows to organize and support IDIA-sponsored events, such as seminars, panels, workshops, and tutorials
- Connect with IDIA's growing network of academic, government, think tank, and industry partners around digital innovation
- Benefit from in-support activities, such as Mason Enterprise ICAPS, Accelerate, and other Mason Innovation Exchange and Mason Enterprise programs
- An end-of-year 'Come Meet our Fellows' meeting will celebrate and disseminate the achievements of the IDIA fellows (Faculty & Predoctoral)





# IDIA Predoctoral Fellowship Program: Seeds of Bigger Things

*What does a successful IDIA P3 Faculty Fellows experience look like?*

- ❑ A successful IDIA P3 Faculty Fellows experience naturally positions fellows for industry-partnered external funding opportunities, which include but are not limited to:
  - The NSF GOALI program, the NSF Partnerships for Innovation (PFI) program, the NSF I-Corps program, the NSF Activate Program, and larger-scale NSF programs, such as IUCRC, ERC, STC, the Virginia Catalyst Award program, the NIH Bioengineering Partnerships with Industry, the NCI Academic-Industrial Partnerships for Translation of Technologies for Diagnosis and Treatment, the DTRA Transitions Program, the SBIR/STTR program, the DARPA Embedded Entrepreneurship Initiative, the DARPA Information Innovation program, etc.
- ❑ When you prepare your application:
  - Section H. ANYTHING ELSE WE SHOULD KNOW ABOUT (one page)
  - *This is an opportunity for you to relate any other aspects of the proposed activities that are not already addressed in the earlier sections of this application. Here is a suggestion: This is an exciting moment of growth for IDIA, and this page is your opportunity to envision how fellows (or this particular project) can steer and grow IDIA's portfolio of activities.*



# IDIA P3 Faculty Fellowship Program: Other Information

## Review Process

- Awards will be made on a competitive basis
- Applications will be reviewed by interdisciplinary senior researchers and faculty
- Conflicts of Interest will be addressed rigorously

## For Other Information

- <https://idia.gmu.edu/p3-faculty-fellowship/>

## Questions formulated after these office hours

- Email: [idia2@gmu.edu](mailto:idia2@gmu.edu)

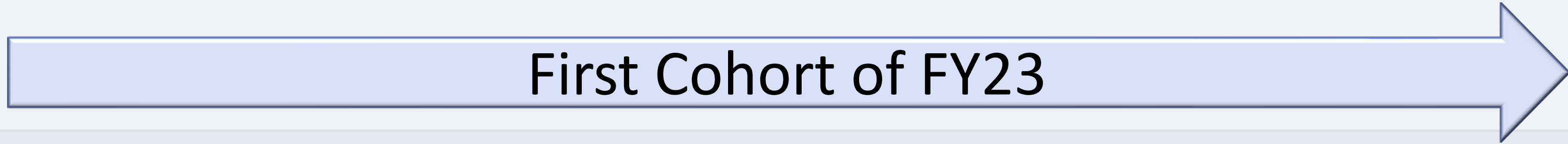
**We now welcome any questions**



# IDIA P3 Faculty Fellowship Program: Meet Previous Winners

## Cohort Model:

<https://idia.gmu.edu/idia-p3-fellows/>



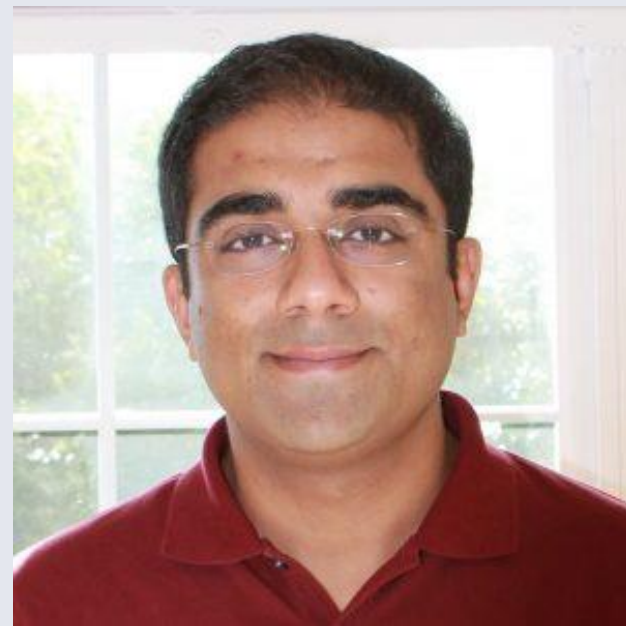
Emanuela Marasco  
(IST)

**Video-based,  
Secure, Accurate  
and Usable  
Contactless  
Fingerprint  
Authentication  
in Smartphones**



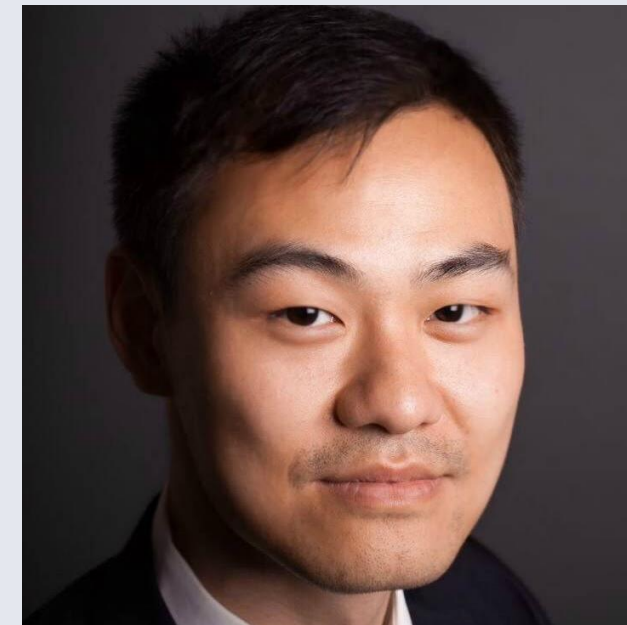
Craig Yu  
(CSC)

**Advancing  
Human-Machine  
and Human-  
Human  
Collaborations  
via Networked  
Extended Reality  
Innovations**



Parth Pathak  
(CSC)

**Predicting RF  
Exposure in  
Today's Ultra-  
dense Wireless  
Networks**



Jiasun Li  
(Finance)

**Organizing an  
Efficient and  
Inclusive Digital  
Economy: The  
Roles of Recent  
Technological  
Breakthroughs in  
Verifiable  
Computation**



Jonathan Auerbach  
(Statistics)

**A Scientific  
Framework for  
Evaluating  
America's Data  
Infrastructure**



Kun Sun  
(IST)

**Reference-based  
Automatic  
Program Repair**



# Q on Review and Notification Timeline

- How quickly will decisions be made?
  
- Applications in: April 8th
  
- Panel reviewed by May 15
  
- Goal: notifications before end of May
  
- Fellowship awards signed and sealed by end of July