

# Getting Your Fellowship: Role of Office of Grant Support

Dhanonjoy C. Saha, PhD  
Director, Office of Grant Support  
Research Professor, Department of Medicine  
Albert Einstein College of Medicine

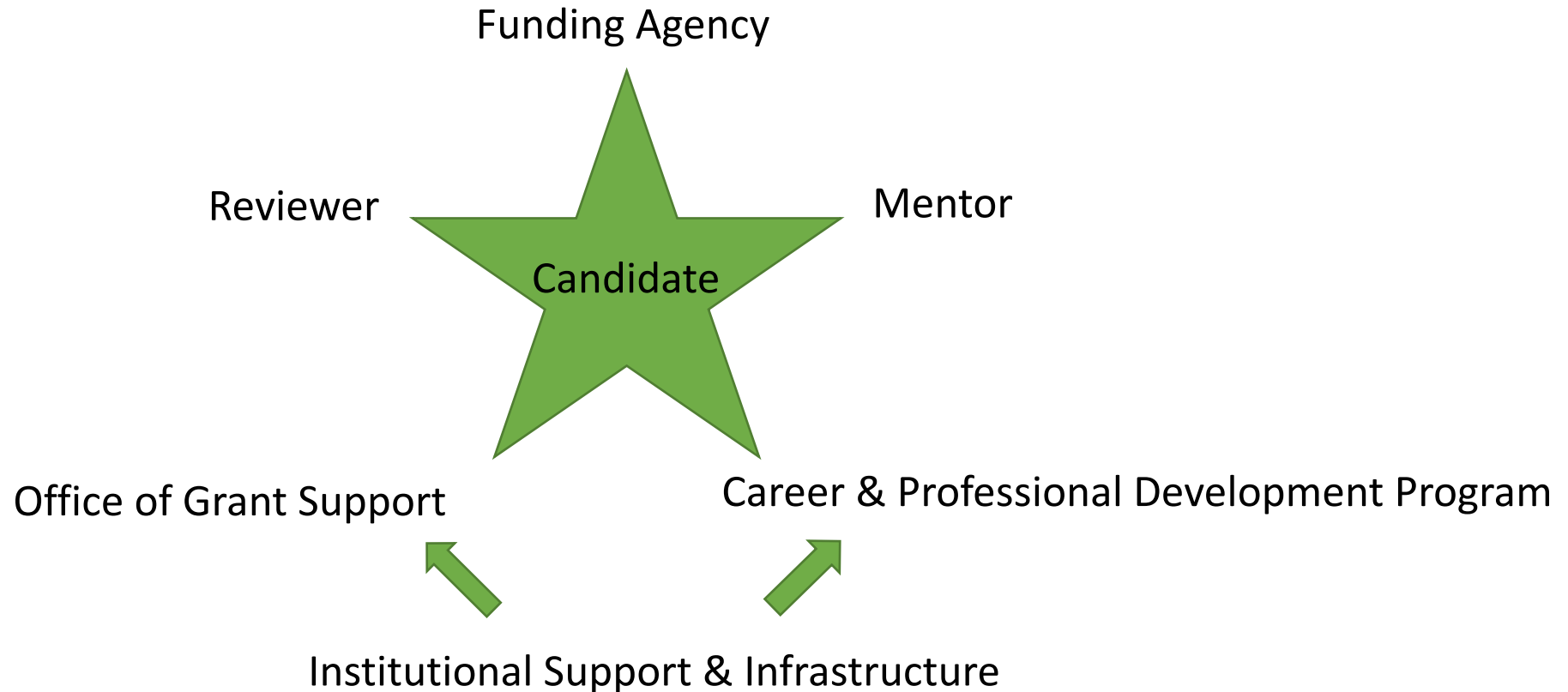
August 27, 2019



Albert Einstein College of Medicine

Montefiore

# Preparing Grant Applications: Key Players



# Introduction: Office of Grant Support (OGS)

- ❑ The Office of Grant Support (OGS) is comprised of four individuals who provide pre-award administrative assistance to the entire Einstein community.
- ❑ Our goal is to enable students, post-docs and faculty to submit grant proposals and to manage subsequent non-financial responsibilities of the award, progress reports, grant resubmission, and renewal processes.

[Visit Office of Grant Support \(OGS\) Website](#)  
[OGS: Staff Roles and Responsibilities](#)

# OGS: What do we do?

- ☐ Find funding opportunities, disseminate information
- ☐ Interpret proposal guidelines (Demystify DoD, NIH, NSF and other federal and non-federal policies, procedures, and jargons)
- ☐ Help with team building, planning for applications
- ☐ Develop and/or review proposal budgets
- ☐ Provide templates for institutional information/support and data
- ☐ Administer pre-submission regulatory requirements
- ☐ Assist with required registrations for grant submissions
- ☐ Create and manage electronic grant submissions (*e.g.* Cayuse to grants.gov to eRA Commons or Fastlane or to eBRAP)

# OGS: What do we do?

- ❑ Manage Awards Committee nominations (limited submissions)
- ❑ Help with submission of non-competing applications, Just-in-Time (JIT), Supplemental Materials, RS, FIS ...
- ❑ Help communicate with grant-making agencies
- ❑ Negotiate budgets and other terms and conditions of the awards and communicate with the funding agencies
- ❑ Help submissions of grant-proposals (Federal, State, and Private)
- ❑ Provide grantsmanship: Assist with team-building, writing, editing, proofreading, reviewing, critiquing, and creating more competitive proposals
- ❑ Provide resources for training (workshop, monthly seminars)

## OGS: Staff Roles and Responsibilities

# OGS: Finding Funding via Intranet

- ☐ Please go to Einstein Intranet and sign in at <https://www.einstein.yu.edu/auth/login/intranet/>
- ☐ Click on “Administrative Services”
- ☐ Select “Grant Support” department
- ☐ Click on the tab “[Foundation Funding](#)”
- ☐ Click on “Grant Title” links for details of the funding mechanism
- ☐ Use the “Search Funding” tool to find suitable funding announcements
- ☐ Use “Keywords” if needed

# OGS: Finding Funding via GrantScoop

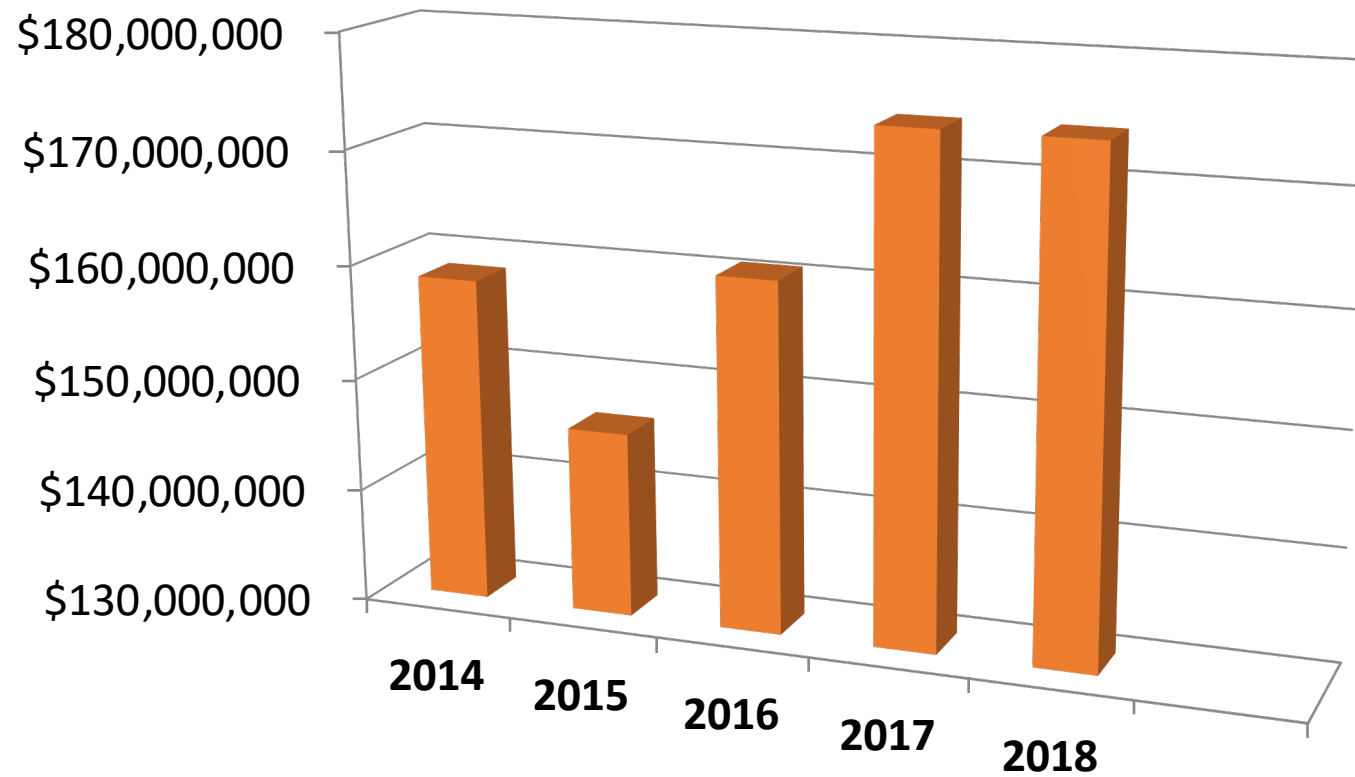
- ❑ [GrantScoop](#) is a Funding opportunity database and grant-search engine for biomedical, life science and health science research
- ❑ Go to [www.grantscoop.com](http://www.grantscoop.com)
- ❑ Create a User Account using “@einstein.yu.edu” email address
- ❑ At the bottom of the sign-up page, under “Plan,” please choose “Institutional Access”
- ❑ In addition to a standard keyword search, you can use the advanced search mode
- ❑ Contact [anindita.mukherjee@einstein.yu.edu](mailto:anindita.mukherjee@einstein.yu.edu) for help

# OGS: Grant Advisory Service

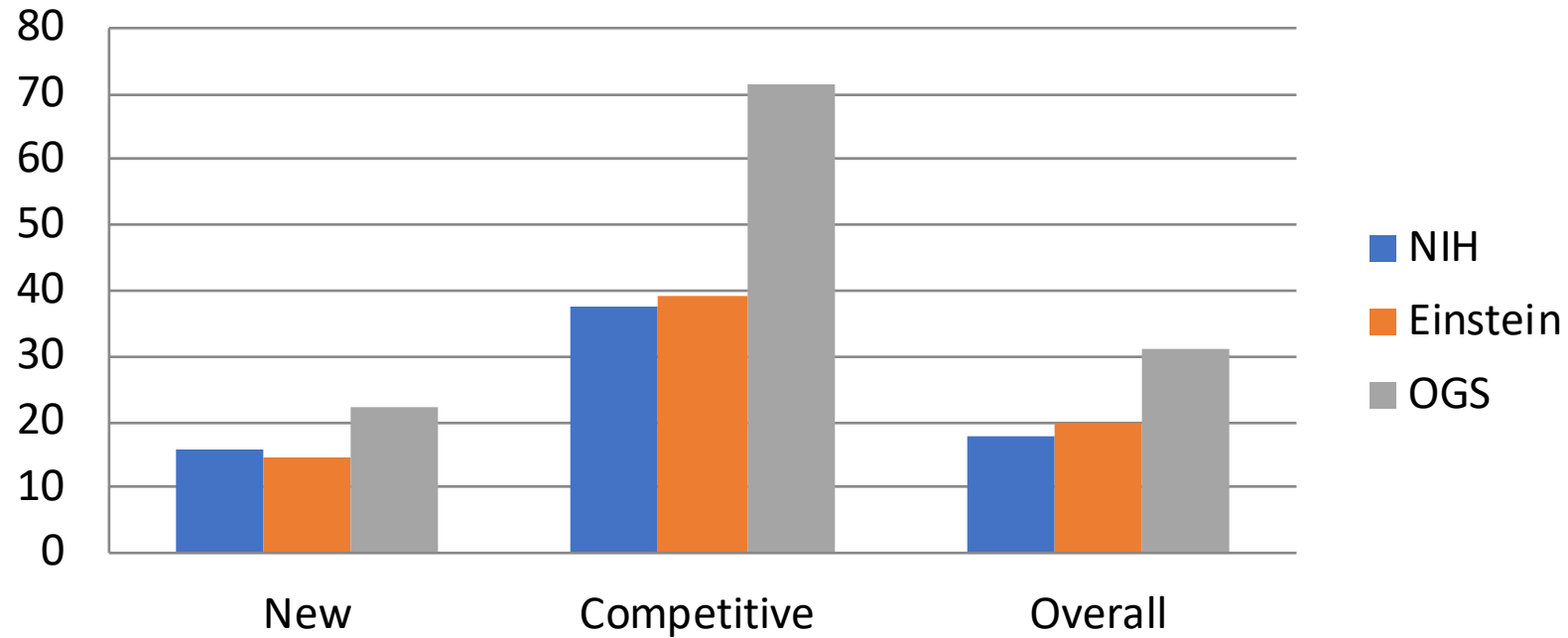
- ❑ We continue to provide Grant Advisory Service that includes assistance with editing, proof-reading, reviewing and critiquing grant proposals. Please see our [Grant Advisory Service](#) page.
- ❑ We also provide assistance/help with manuscript writing, editing, proof-reading, reviewing and critiquing to enhance publications. Please contact [OGS](#) at (718) 430-3642.



# Our NIH Funding is Up



# Success Rate for NIH R01 Applications Utilizing OGS Services (FY 2012-2017)



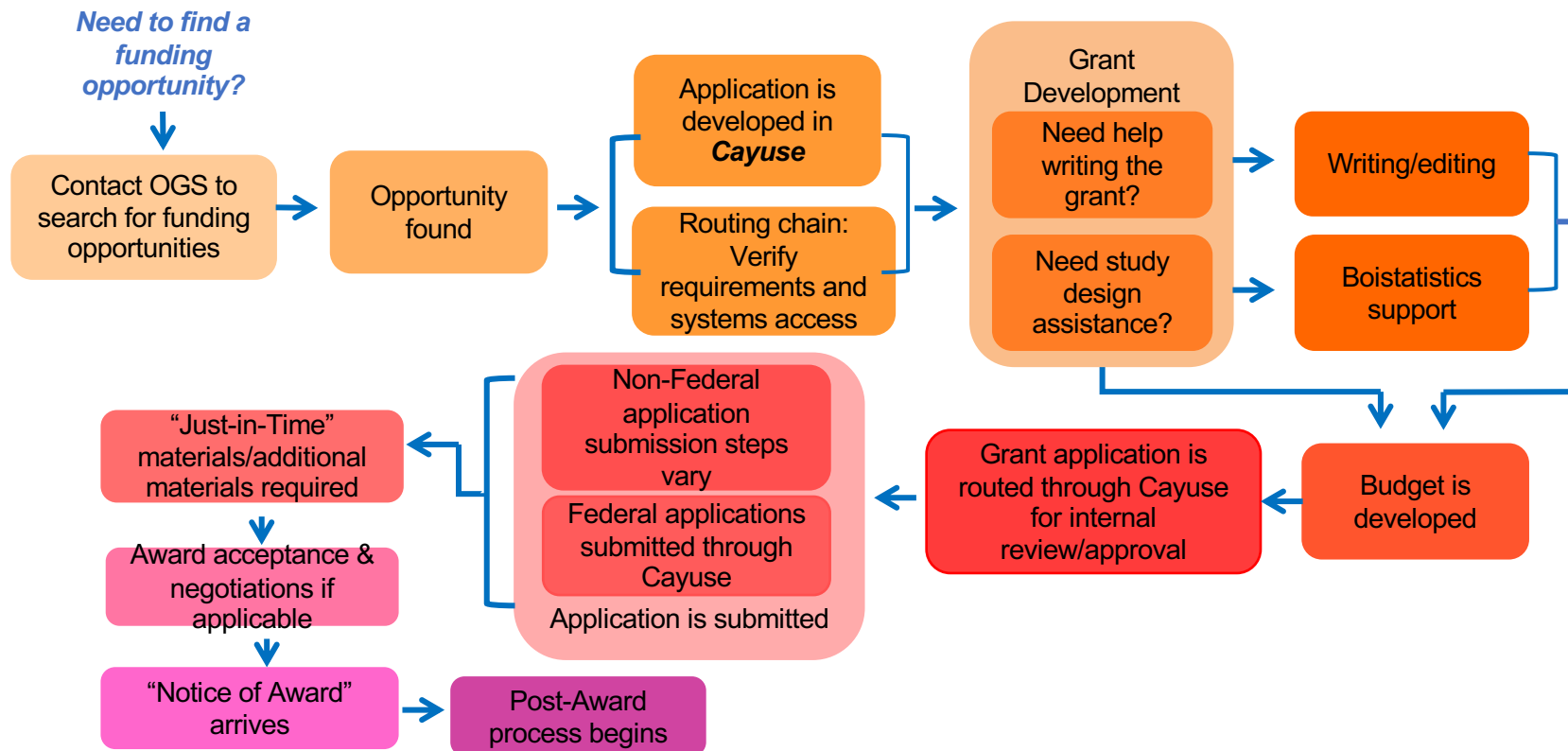
# Cayuse: Portal for Developing and Submitting Grant Applications

- ❑ **Cayuse** (424) is a Web application portal created to simplify the creation, review, routing, approval, and electronic submission of grant proposals, i.e., S2S (system-to-system) submission of proposals
- ❑ Contact your departmental administrator for creating a Cayuse account and for basic user guidance
- ❑ In case you need further help, contact **Regina Janicki** at (718) 430-3643 or email at [regina.janicki@einstein.yu.edu](mailto:regina.janicki@einstein.yu.edu)

# Cayuse: Portal for Developing and Submitting Grant Applications

- ❑ Upload your application at Cayuse 8-10 business days prior to the grant deadline
- ❑ All federal applications need [internal routing and approval](#) prior to its submission to the federal agencies
- ❑ After internal approval, the PI should submit the application from Cayuse
- ❑ Cayuse makes a system-to-system transfer of the application to eRA Commons (for NIH); eBRAP (for DoD); Research.gov (NSF); many more
- ❑ For most of the foundation grants, PIs can submit applications directly; but the submitted applications must be uploaded/stored in Cayuse

# Life Cycle of a Grant Application



# Office of Grant Support (OGS) Contacts

- ❑ General information, please contact the Office of Grant Support at (718) 430-3643 or [preaward@einstein.yu.edu](mailto:preaward@einstein.yu.edu)
- ❑ Funding Opportunity and Grant Development– Anindita Mukherjee, PhD at (718) 430-3367 [anindita.mukherjee@einstein.yu.edu](mailto:anindita.mukherjee@einstein.yu.edu)
- ❑ Budget - Gerard McMorrow at (718) 430 3580 or [gerard.mcmorrow@einstein.yu.edu](mailto:gerard.mcmorrow@einstein.yu.edu)
- ❑ Cayuse, eRA Commons and any other help - Regina Janicki at (718) 430-3643 or [regina.janicki@einstein.yu.edu](mailto:regina.janicki@einstein.yu.edu)
- ❑ **Grant Advisory Service**, Tanya Dragic, PhD - (914) 262-5441 or [tanya.dragic@einstein.yu.edu](mailto:tanya.dragic@einstein.yu.edu)
- ❑ Study design, Mimi Kim, PhD - (718) 430-2017 or [mimi.kim@einstein.yu.edu](mailto:mimi.kim@einstein.yu.edu)
- ❑ For any other help - D. C. Saha, DVM, PhD at (718) 430-3642 or [ghanonjoy.saha@einstein.yu.edu](mailto:ghanonjoy.saha@einstein.yu.edu)

# Everything Postdocs Need to Know about Grants: Funding Resources & Grant Development

Anindita Mukherjee, PhD

Assistant Director

Funding Opportunity and Grant Development

Office of Grant Support

Albert Einstein College of Medicine

Aug 27, 2019

# Overview

- **Types of funding resources:** Federal, State, and Foundation
- **Finding funding:** Office of Grant Support (OGS) resources
- **NIH:** Grant and funding system
- **NIH:** Postdoctoral grants
- **Other federal funding for postdocs:** DoD and NSF
- **Special funding opportunities for:**
  - International candidates (non-US citizens)
  - Women, and other diversity & minority fellows
- **Grant Development:** Basic tips



# Why should you apply for your own grant?

Will make you more...

- Independent
- Competitive
- Experienced



- You will learn and grow from the experience of failure

“If you have a goal that is very, very far out, and you approach it in little steps, you start to get there faster. Your mind opens up to the possibilities.”

— Mae Jemison, MD, first African American woman astronaut

# Types of Funding Agencies

- **Federal:** National Institute of Health (NIH), Department of Defense (DoD), National Science Foundation (NSF), Department of Energy (DOE)
- **Private Foundation:** Private agencies/charitable trusts provide grants for specific topics and/or communities of scientific research. Awards are field and career stage specific.
- **State:** New York State ([NYS Grants Gateway](#)) grants – capacity building, infrastructure development, research grants for faculty, only a few pre and postdoctoral awards

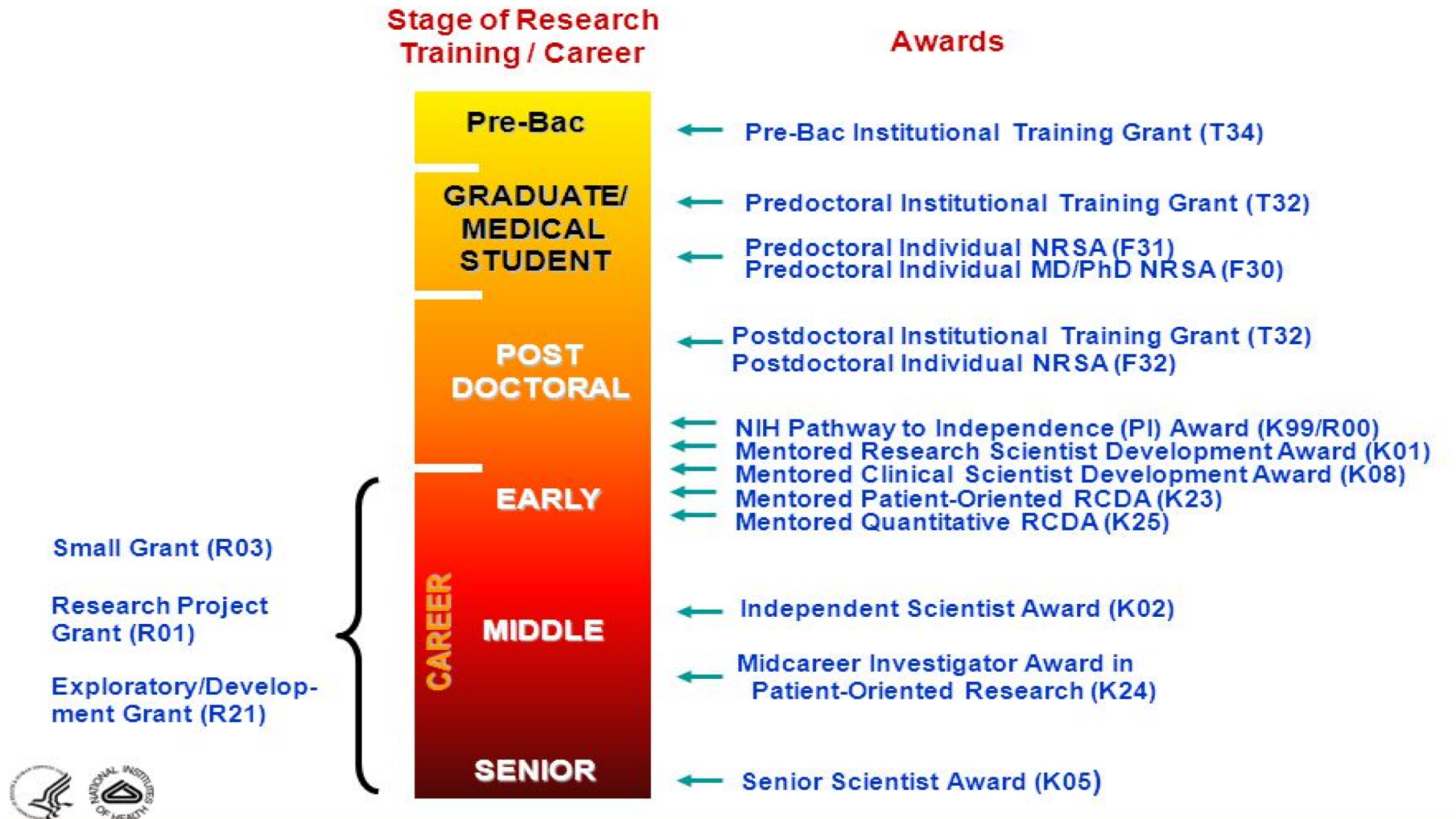
# Finding Funding: OGS Resources

- **Intranet funding lists for upcoming federal and foundation funding**
  - Please go to Einstein Intranet and sign in at <https://www.einstein.yu.edu/auth/login/intranet/>
  - Click on “Administrative Services”
  - Select “Grant Support” department
  - Click on the tab “Federal Funding” or “Foundation Funding”
  - Click on “Grant Title” links for details of the funding mechanism
  - Use the “Search Funding” tool to find suitable FOAs, and use “Keywords” if needed
- **GrantScoop (match-making portal for FOAs):** <https://www.grantscoop.com/>
- **One on one consultation: Contact** [anindita.mukherjee@einstein.yu.edu](mailto:anindita.mukherjee@einstein.yu.edu)

# NIH Grant and Funding System

- NIH is the largest public funder of biomedical research in the world, investing more than \$32 billion a year for biomedical research.
- NIH uses 3-character [activity codes](#) (e.g., F32, T32, K08, R01, etc.) to differentiate the wide variety of research-related programs it supports.
- NIH has 27 [Institutes/Centers \(ICs\)](#) e.g. FIC, NCI, NIA, NHLBI. Different ICs might have different requirements for a Funding Opportunity Announcement (FOA).
- NIH [Research Training and Career Development Programs](#) offer different grants/awards/fellowships for career development at Pre-doctoral, Post-doctoral, [Early-investigator, New-investigator](#) levels.
- [NIH Guide for Grants & Contracts](#): Subscribe at [NIH Listserv](#) for weekly updates

# NIH Grant and Funding System



# NIH Funding for Postdoctoral Scientists

- [Mentored Career Development Awards](#) (K): Most of these awards are for individuals, except K12 (institutional) e.g. [BETTR IRACDA program at Einstein](#) (Co-directors Drs. Dianne Cox and Barbara Birshstein)
- [Institutional Research Training Grants](#) (T/D): Kirschstein-NRSA Institutional Award T32 (pre-doctoral or post-doctoral), D43 (International)
- [Individual Fellowship](#) (F): F99/K00 (pre-doc to post-doc transition award); Kirschstein-NRSA Individual Award (F32)
- [Other Training Related Awards](#): DP5 (early independence program); Supplement to promote re-entry into research career; Loan Repayment Program (LRP); NIH Diversity Supplements to PIs grant
- **Most of these awards has US Citizenship/Permanent Residency/Non-citizen Nationals requirements apart from K99/R00, F99/K00**

# NIH-IC Selection: All ICs do not participate in all FOAs

- **FOA specific:** Read the [FOA](#) carefully to select your preferred IC from “Components of Participating Organization”
- **Contact NIH Scientific/Program Officer** (find at the FOA) to find out whether your project is aligned with the the mission and vision of that particular IC
- **In case of multiple appropriate agencies**, a more calculated choice might be helpful (go to [NIH RePORT data link](#))
- **Discuss with your mentor(s)** to select the best suitable IC
- **Strategize** your application

# NIH F32: Eligibility and Requirements

- Deadlines: April 8, August 8, December 8; see [Standard Due Dates](#)
- Period of Support: Up to 3 years (of aggregate Kirschstein-NRSA support)
- Components ([Form SF424 Version E](#)): OGS provides samples and templates
  - All about you
  - All about your research
  - All about training environment
- **F32 is about the training as much as the science (Research training plan, Training goals/ Training potential are important review criteria)**
- [Visit NIH useful tips and guidance link here](#)
- [NIH Sample Grants Full Applications](#)
- **Attend our workshops focused on NIH Fellowship Development**



# Definition of Underrepresented Groups

- **Underrepresented on national basis (NSF guidelines):** Researchers/educators representing Underrepresented groups can be e.g. Alaska Natives, Native Americans, African Americans, Hispanics (including persons of Mexican, Puerto Rican, Cuban, and Central or South American origin), Native Hawaiians and other, Pacific Islanders, and Persons with Disabilities.
- **Underrepresented by discipline:** e.g., women are underrepresented in some STEM fields, Asian Americans in social science and humanities fields. Check out NSF [resource link](#) for statistical data.
- **Underrepresented can also be based on the organization**

# NIH Grants for Diversity & Minority Candidates

- **How NIH promotes a diverse scientific research workforce:**
  - [Finding funding opportunities for career development and career transition](#)
  - [Exploring your next career steps](#)
  - [Meeting NIH funded researchers](#)
- **Some examples of NIH postdoctoral diversity & minority grants:**
  - [MOSAIC Postdoctoral Career Transition Award to Promote Diversity \(K99/R00\)](#) *NEW*
  - [Institutional T32](#)
  - [Institutional Research and Academic Career Development Awards \(IRACDA\) \(K12\)](#)
  - [Loan Repayment Program \(LRP\)](#)
  - [NIH diversity supplement - as appointee to your PI's existing grant](#)

# National Science Foundation (NSF) Grants for Postdocs

- NSF funds for basic research
- NSF Special programs for postdoctoral fellows:  
[https://nsf.gov/funding/education.jsp?fund\\_type=3](https://nsf.gov/funding/education.jsp?fund_type=3)
- Postdoctoral research fellowship in Biology:  
[https://nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503622&org=NSF](https://nsf.gov/funding/pgm_summ.jsp?pims_id=503622&org=NSF)
- Applicant should be a U.S. citizen (or national) or U.S. permanent resident

# Non-NIH Federal Funding: Department of Defense (DoD)

- Mentored programs are designed for postdoctoral trainees
- US citizenship or permanent residency not required
- Applications should address one of the topic areas listed in the FOA
- Health relevance to Service members, Veterans, and the general public
- Postdoctoral awards announced in 2019:
  - [Breast Cancer Research Program](#)
  - [Peer Reviewed Cancer Research Program](#) (Horizon Award)
- Find details at [CDMRP website](#)

# Foundation Funding Opportunities: Some Special Options

# Foundation Fellowship for Women: AAUW

- [American Association of University Women](#) sponsors following types of grants:
- [American Fellowship](#): To increase number of women in tenure-track positions; supports Dissertation Awards, **postdoctoral research**, or summer/short term grants for **preparing research for publication** for eight consecutive weeks; for US citizens/permanent residents
- [International Fellowship](#): Graduate and post-graduate studies are funded to women who are ***not US citizens/permanent residents***; Applications open Aug 1– Dec 1
- [Selected Professions Fellowships](#): For women pursuing master's or professional degree program in fields where women are underrepresented, including STEM, law, business, and medicine; ***Fellowship in Doctorate of Medicine is restricted to women of color*** (at 3<sup>rd</sup> or 4<sup>th</sup> year of study)
- [Career Development Grant](#): For supporting ***women's re-entry in workforce***; for women pursuing beyond bachelor's degree, but not applicable for doctorate level work

Check OGS Intranet funding pages, or [Contact OGS](#)

# Other Foundation Fellowships for Women

- [Faculty for the Future Program](#) (**Schlumberger Foundation**): To enhance women's participation in STEM field; Faculty for the Future Fellows are expected to return to their home countries after completion of their studies to contribute to economic, social and technological advancement by strengthening the STEM teaching and research faculties of their home institutions; **only citizens of developing countries can apply**
- [Graduate Women in Science \(GWIS\)](#): National Fellowship Program announces multiple fellowships for equipment, expendable supplies, publication, travel for field study/ collaborations *etc.*; **open to non-US citizens**
- [L'Oréal-UNESCO For Women in Science Fellowships](#): 5 annual fellowships; life and physical sciences fields; no age limit; **for US citizens and permanent residents**

**Check OGS Intranet funding pages, or [Contact OGS](#)**

# Other Postdoctoral Foundation Programs for Non-US Citizens

- [AHA Postdoctoral Fellowship](#) (Cardiovascular function, disease and related areas)
- [Horizon 2020 Marie Skłodowska-Curie: Individual Fellowships](#) (EU research and innovation)
- [Simons Collaboration on the Origins of Life Postdoctoral Fellowships](#) (Basic science)
- [Alex's Lemonade Stand Foundation](#) (Young Investigator Award for Pediatric cancer)
- [Gerber Foundation](#) (Novice Research grant for pediatric disease)
- [Parkinson's Disease Foundation](#) (Basic science fellowship and Clinical research award)
- [Paralyzed Veterans of America](#) (Basic science research in injury and neurological disease)
- [National Multiple Sclerosis Society & American Brain Foundation](#): Mentor-Based Postdoctoral Fellowship In Rehabilitation Research
- [American Federation for Aging Research](#): The Irene Diamond Fund/AFAR Postdoctoral Transition Awards in Aging
- [Phrma Foundation](#): Health Outcomes; Informatics; Pharmaceuticals; Pharmacology and other

**Check OGS Intranet funding pages, or [Contact OGS](#)**



# Funding Opportunities for Postdoctoral Researchers from Under-represented Groups

- [Ford Foundation Fellowships](#): US citizens, nationals & permanent residents, DACA members
- [American Psychiatric Association Foundation](#): Offers a series of awards within the field of psychiatry for residents, post-residency research fellows and early career psychiatrists, including **SAMSHA Minority Fellowship**, and **SAMSHA Substance Abuse Minority Fellowship**
- [Wayne F. Placek Grants](#) (American Psychological Foundation/APF): Topic areas include research on heterosexuals' attitudes and behaviors towards LGBTQ community, Special concerns of sectors of the **LGBTQ population** that have historically been underrepresented in scientific research
- [Esther Katz Rosen Fund Grants \(APF\)](#): To the advancement and application of knowledge about identified **gifted and talented children and adolescents**
- [Alzheimer's Association Research Fellowship to Promote Diversity](#): For neurobiology and mental health research

Check OGS Intranet funding pages, or [Contact OGS](#)

# Grant Development: A Few Basic Tips

- **Start early and plan in advance (at least 5-6 months):** The application is a whole lot more than just the research proposal; Know the review criteria; Think like a reviewer; Get advice from other PIs/ reviewers at Einstein
- **Discuss with your mentor** if you may apply, and need co-sponsor/co-mentor
- **Find institutional support:** Contact [OGS](#)
- **Identify Funding Opportunity Announcement (FOA):** [OGS](#) and mentor
- **Read the FOA carefully**
- **Contact scientific/program officer assigned at the FOA**
- **Get Cayuse account:** Contact your departmental administrator
- **Register if needed:** eRA Commons (for NIH), eBRAP (for DoD), Fastlane (for NSF)
- **Develop and submit** application (Federal grants via **Cayuse**, S2S transfer to grants.gov)

# Experts at Panel Discussion

**Pamela Stanley, PhD**

Horace W. Goldsmith Foundation Chair  
Assoc. Dir. Lab. Res. Einstein Cancer Center  
Professor of Cell Biology

**Rajat Singh, MD, MBBS**

Associate Professor  
Department of Medicine

**Dario F. Riascos-Bernal, MD, PhD**

Instructor  
Department of Medicine - Cardiology

**Bijun Chen, MD, PhD**

Postdoctoral Fellow  
Department of Medicine - Cardiology