

Athinoula A.

# Martinos Center

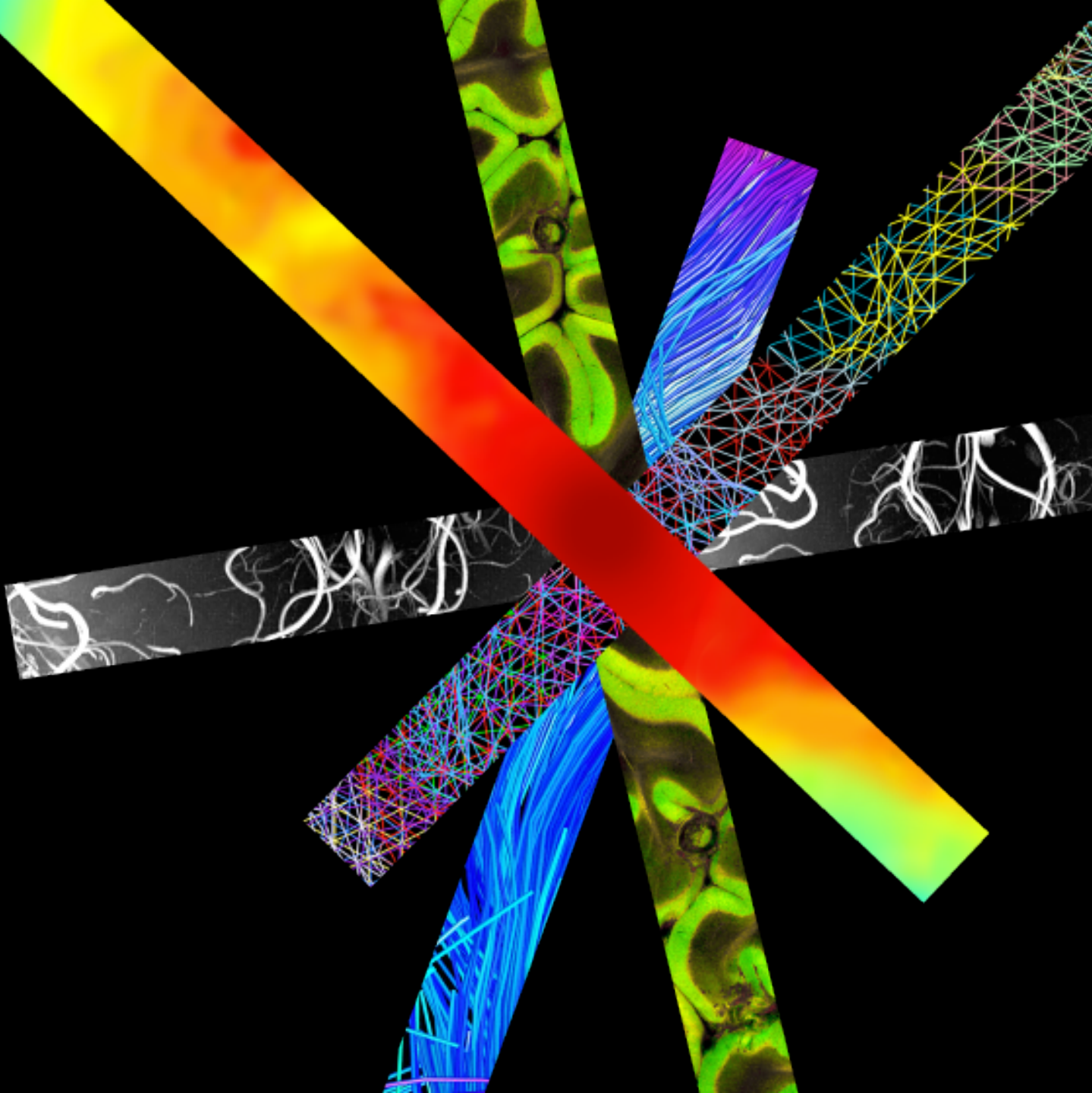
For Biomedical Imaging

*Why & How:*

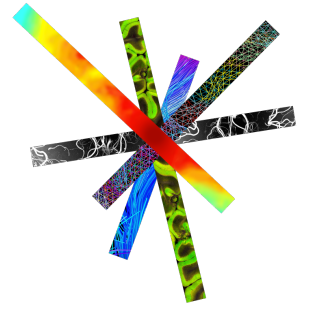
## Navigating the postdoctoral funding landscape

Christin Sander & Bruce Rosen

Feb 20, 2020



# Why should you secure postdoc funding?



*During the grant writing process:*



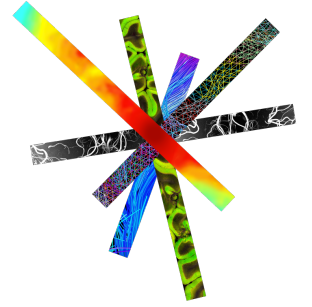
- Learn how to write and compete for grants
- Start to develop & formulate your own research ideas

*Once you got a grant or fellowship:*



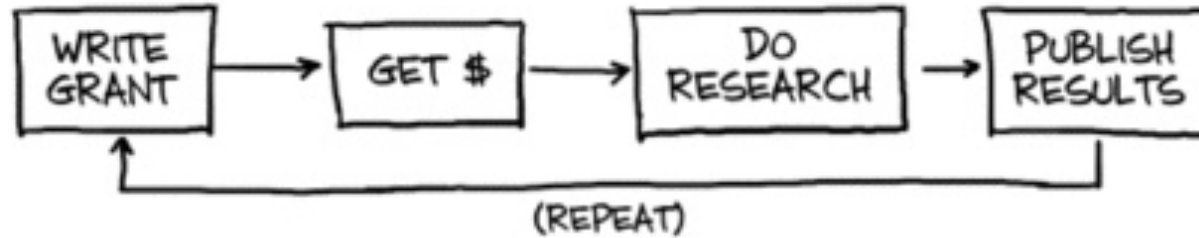
- More freedom to establish your own independent line of research while keeping your mentors and having focused time for research
- Recognition (internal & external), great for your CV
- Excellent foundation for going onto the academic job market

# How should you secure postdoc funding?



## THE GRANT CYCLE

HOW IT'S SUPPOSED TO WORK:



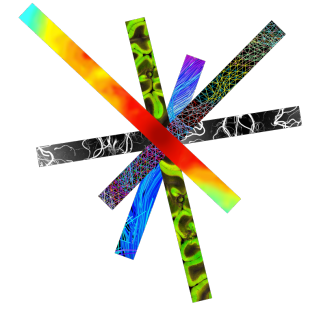
HOW IT REALLY WORKS:



# Sources of Postdoc Funding

**Institutional:  
MGH ECOR**





<https://ecor.mgh.harvard.edu>

## Tosteson & Fund for Medical Discovery (FMD) Fellowships

The Tosteson & FMD Awards are intended to support junior investigators (MD and PhD Research Fellows/Clinical Research Fellows) during a one year period at MGH who are in the training phase of their research. The award is open to fundamental and clinical research at MGH.

The ECOR Subcommittee on Review of Research Proposals (SRRP) reviews the applications and selects the awardees.

- Stipend of \$50,000 plus applicable fringe benefits and 15% indirect costs for one year.
- ECOR will accept only one application per applicant for MGH ECOR Fellowship Awards per calendar year.

	FMD Clinical	Tosteson & FMD	Tosteson & FMD
<b>Deadline</b>	February 1	June 1	October 1
<b>Notification E-mails</b>	June	August	December
<b>Award Start Date</b>	July 1	September 1	January 1

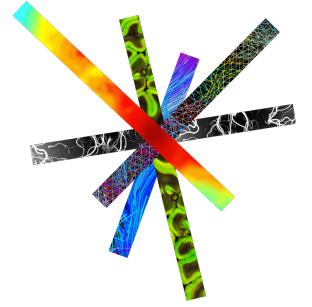
# Sources of Postdoc Funding

**Institutional:  
MGH ECOR**

**Non-federal:  
Foundations  
& Societies**



# Philanthropic Funding for Postdocs



- Foundations fund biomedical research on a specialized topics of interest.
- Application deadlines vary, usually once a year.



American Heart Association.

Professional Heart Daily

## AHA Postdoctoral Fellowship

- 1-2 years postdoctoral stipend (NIH sliding scale)
- \$3000 travel / research support
- FY 2018-19 success rate: 43%



## BBRF Young Investigator Grant

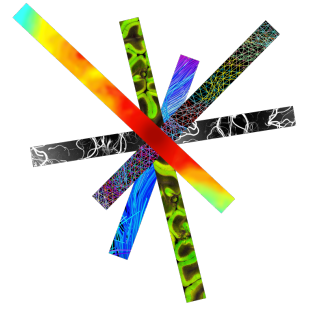
- 1-2 years funding: up to \$70,000 total (partial salary, research support)
- To enable promising investigators to either extend research fellowship training or begin careers as independent research faculty

### Search for opportunities in your own specific research field:

- Ask your peers in your field!
- <http://grantome.com/>
- <https://www.grantforward.com/search>
- [https://research.fas.harvard.edu/postdoc\\_opportunities](https://research.fas.harvard.edu/postdoc_opportunities)

 Grantome

# Enriching postdoc diversity



BURROUGHS  
WELLCOME  
FUND 

## Postdoctoral Enrichment Award

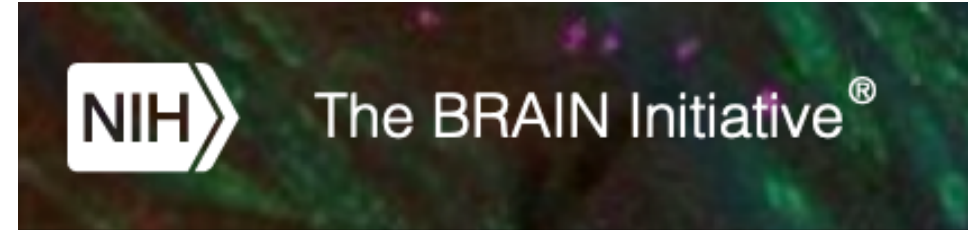
- Underrepresented minority postdoc fellows
- \$60,000 over 3 years



## Hanna H. Gray Fellows Program

The Hanna H. Gray Fellows Program supports early career life scientists in academic labs across the U.S.

- Gender, racial, ethnic, and other groups underrepresented in the life sciences, including women.
- <16 months of postdoc experience at the time of the application



## BRAIN K99/R00

### BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity

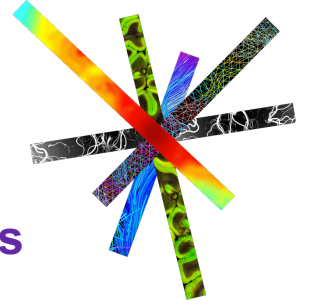
- Underrepresented minorities & women



# Sources of Postdoc Funding



# Awards for Trainees



## Travel Awards / Stipends

Support for the attendance of trainees to present abstracts at the ISMRM Annual Meeting. Priority to first author abstracts.

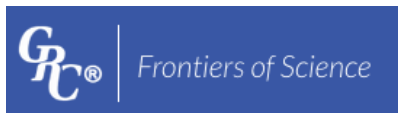


Sponsorship & invitation for attending the ACNP annual meeting for 5 years, mentorship network and presentation opportunities. Distinguished young scientists in the field of mental health and drug addiction.



### Small conferences:

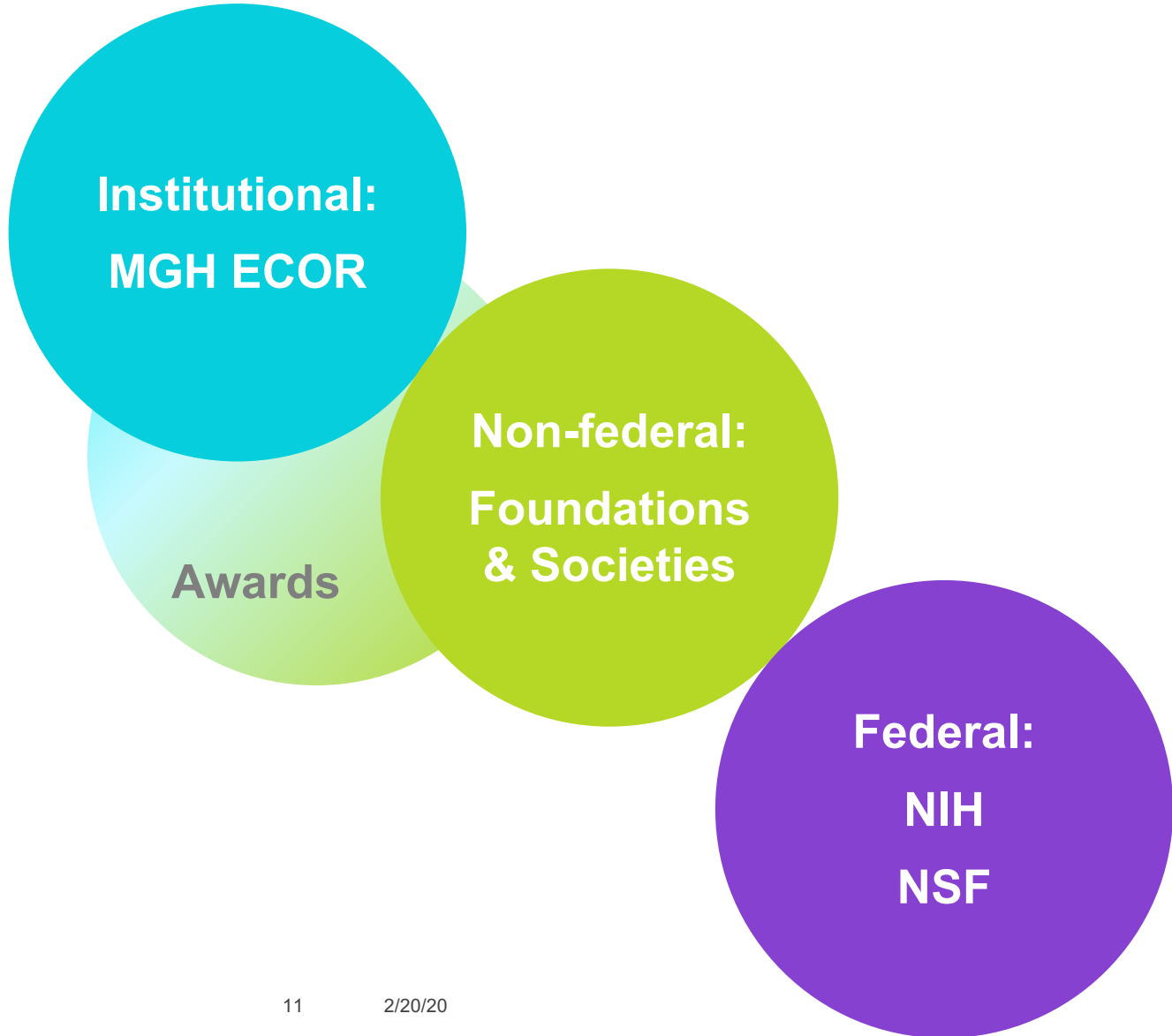
- Gordon Research Conferences & Seminars
- Society workshops

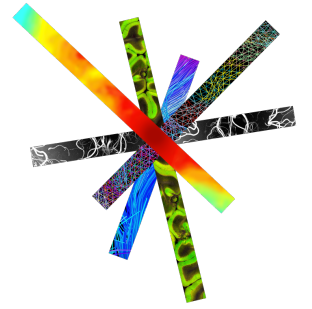


## Other Awards: Young Investigator, Poster/Paper Awards

- Best paper awards: journals & conferences
- Best poster awards: conferences
- Within MGH:  
Research Fellow Poster Celebration

# Sources of Postdoc Funding





<https://researchtraining.nih.gov/>

About DBRW

Career Path

Programs

Institute/Program Matrix

Resources

NIH programs help to prepare  
the skilled, creative and diverse  
biomedical research workforce of  
tomorrow



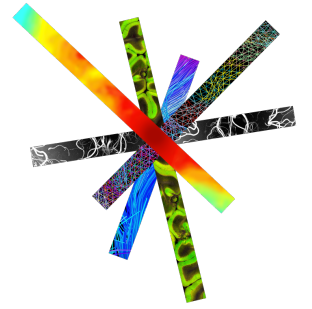
Undergraduate and  
Postbaccalaureate  
Education

Predocloral Training/  
Clinical Doctorate

Postdoctoral Training/  
Clinical Residency

Early Research Career  
Development

Investigator  
Development and  
Mentoring



## T Training

To provide institutional research training opportunities (including international) to trainees at the undergraduate, graduate, and postdoctoral levels

- D71** International Research Training Planning Grant
- D43** International Research Training Grants
- T15** Continuing Education Training Grants
- T32** Institutional National Research Service Award

## F Fellowship

To provide individual training opportunities (including international) to supported fellows at the undergraduate, graduate, postdoctoral, and senior career levels

- F05** International Research Fellowships (FIC)
- F30** Individual Predoctoral NRSA for MD/PhD Fellowships
- F31** Predoctoral Individual National Research Service Award
- F32** Postdoctoral Individual National Research Service Award

## K Career Development

To provide individual and institutional career development opportunities to supported candidates at the postdoctoral, early career, and mid career levels.

- K01** Research Scientist Development Award - Research
- K02** Research Scientist Development Award
- K05** Research Scientist Awards
- K06** Research Career Awards

## R Research Education

To provide research education opportunities, including courses, research experiences, mentoring, curriculum development, and outreach.

- R00** Career Transition Award
- R25** Research Education

## L Loan Repayment

To provide for the repayment of the educational loan debt of qualified health professionals.

- L30** Loan Repayment Program for Clinical Researchers
- L32** Loan Repayment Program for Clinical Researchers from Disadvantaged
- L40** Loan Repayment Program for Pediatric Research

## O Other

To provide other training-related opportunities in research.

- R36** Dissertation Award
- SUPP** Reentry Supplement
- SUPP** Diversity Supplements
- [Resources](#)

## Ruth L. Kirschstein Postdoctoral Individual National Research Service Award

### Program Purpose

The purpose of the Kirschstein-NRSA postdoctoral fellowship is to enhance the research training of promising postdoctoral candidates who have the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of the participating NIH Institutes and Centers.



PD/PI

Eligibility

Career level

U.S. citizen or permanent resident, with research or clinical doctoral degree.

Postdoctorate/Residency

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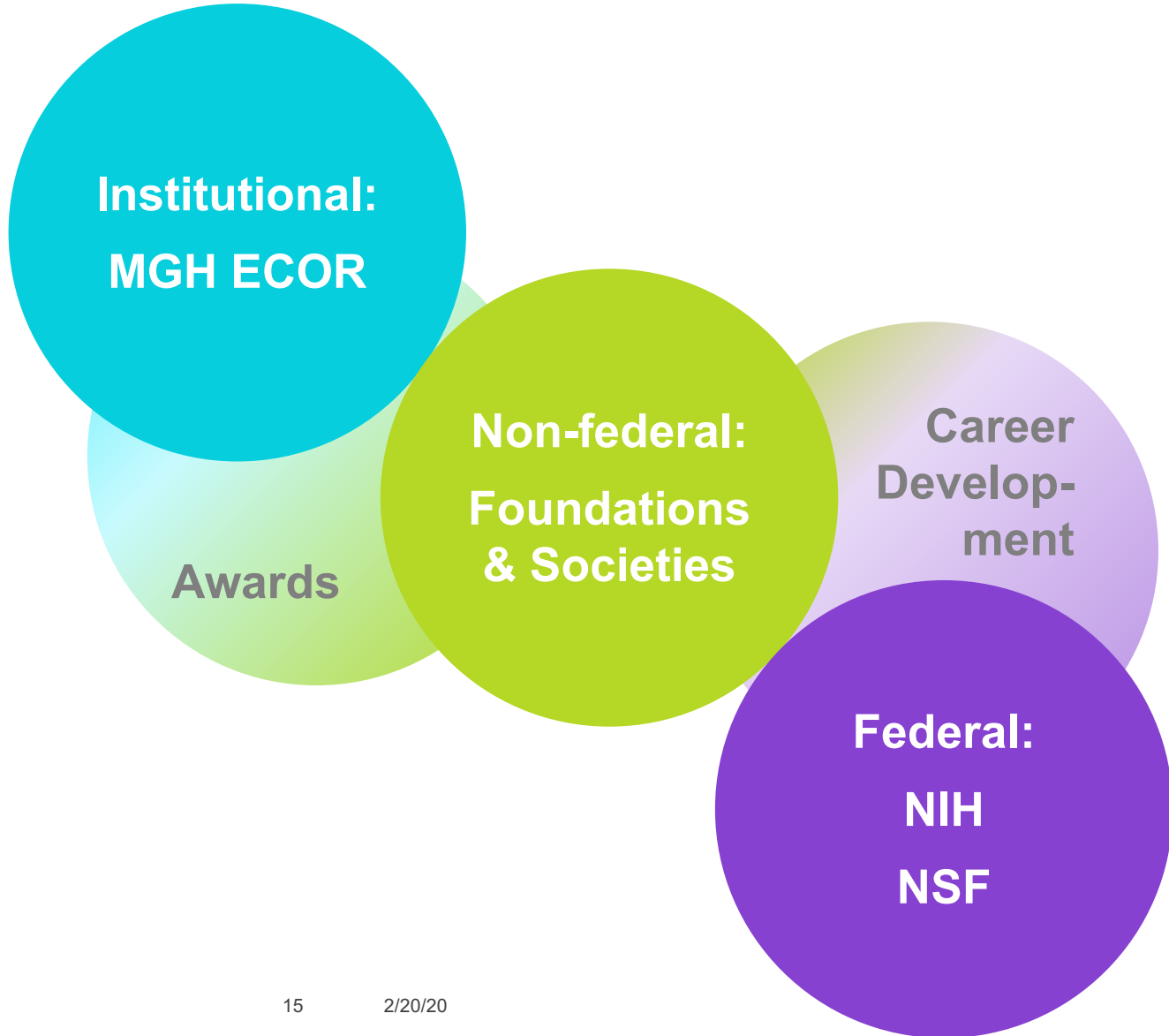
Career Level	Years of Experience	Stipend for FY 2020	Monthly Stipend
Postdoctoral	0	\$52,704	\$4,392
	1	\$53,076	\$4,423
	2	\$53,460	\$4,455
	3	\$55,596	\$4,633
	4	\$57,456	\$4,788
	5	\$59,580	\$4,965
	6	\$61,800	\$5,150
	7 or More	\$64,008	\$5,334

- Application with a specified institution, identified project & mentor/supervisor
- Up to 3 years of support
- Can apply before starting postdoc position or in early postdoc years

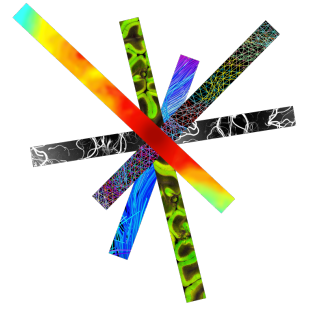
### F33 (rare)

- Fellowships for Senior Fellows
- Up to 2 years of support to make major changes in direction of research career

# Sources of Postdoc Funding



# Postdoc transition to faculty



K99/  
R00

## Pathway to Independence Award

To support both an initial mentored research experience (K99) followed by independent research (R00) for highly qualified, postdoctoral researchers, to secure an independent research position. Award recipients are expected to compete successfully for independent R01 support during the R00 phase.

[Details](#)

[🔔 View Current Funding Opportunities](#)

K99/R00

- Apply as a postdoc
- Open to national & international applicants
- Within 4 years of your doctoral degree

DP5

## Early Independence Award

To support the independent research project of exceptionally creative scientists to bypass the typical Post-Doctoral research training period in order to move rapidly to research independence.

[Details](#)

[🔔 No Funding Opportunity Announcement Currently Available](#)

- “Skip” the traditional postdoc
- Need institutional nomination
- Within 12 months preceding, or completing, doctoral degree

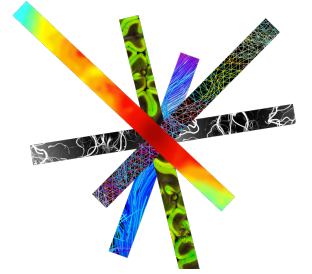
BURROUGHS  
WELLCOME  
FUND

## Career Awards at the Scientific Interface

- \$500,000 over five years to bridge postdoc and years 1-3 of faculty service
- Application within 12-60 months of postdoctoral research start date
- Open to U.S. and Canadian citizens, permanent residents, and temporary residents on a valid visa.



# Other K awards & R grants



**Note: US citizenship or permanent residency required**

**K01**

## Mentored Research Scientist Career Development Award

For support of a postdoctoral or early career research scientists committed to research, in need of both advanced research training and additional experience.

[Details](#)

[🔔 View Current Funding Opportunities](#)

**K22**

## Career Transition Award

To provide support to outstanding newly trained basic or clinical investigators to develop their independent research skills through a two phase program; an initial mentored research experience, followed by a period of independent research.

[Details](#)

[🔔 View Current Funding Opportunities](#)

**K25**

## Mentored Quantitative Research Career Development Award

To support the career development of investigators with quantitative scientific and engineering backgrounds outside of biology or medicine who have made a commitment to focus their research endeavors on basic or clinical biomedical research.

[Details](#)

[🔔 View Current Funding Opportunities](#)

**K08**

## Mentored Clinical Scientist Research Career Development Award

To provide the opportunity for promising clinician scientists with demonstrated aptitude to develop into independent investigators, or for faculty members to pursue research, and aid in filling the academic faculty gap in health profession's institutions.

[Details](#)

[🔔 View Current Funding Opportunities](#)

**Rxx**

**Get involved in writing larger Research grants with your PI**

**Have a conversation about your career development with your PI & mentors**

# Good luck!

