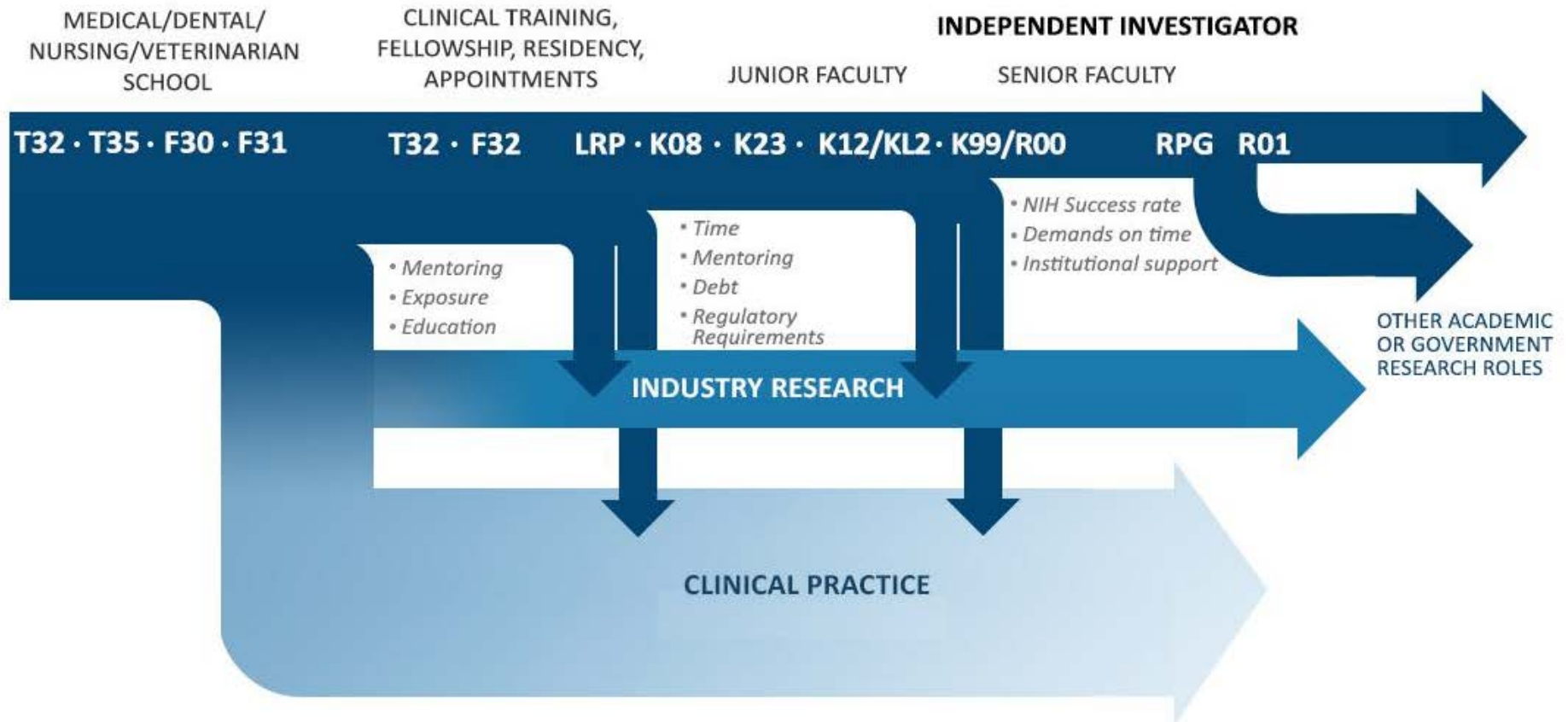


# NIH Fellowships (2017)

## Joe Barbieri (MCW)

### PSW TRAINING PIPELINE



**Parent F31 Announcement Ruth L. Kirschstein Predoctoral Individual National Research Service Award F30 (PA 16 305)**

**(Parent F31 - Diversity) Ruth L. Kirschstein National Research Service Award Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31 - Diversity) (PA 16 308)**

**(Parent F32) Ruth L. Kirschstein Postdoctoral Individual National Research Service Award (PA-16-307)**

### **Information in the PAs**

- **Purpose of the Announcement**
- **Eligible Applicants**
- **Application and Submission Information**
- **Submission Dates and Times**
- **Application Review Information**

**SF424-Fellowship (Instructions)**

**@ [grants.nih.gov/grants/how-to-apply-application-guide/forms-d/](https://grants.nih.gov/grants/how-to-apply-application-guide/forms-d/)**

## The overall goal of the NIH Ruth L. Kirschstein National Research Service Award (NRSA) Program

- To ensure a **diverse pool of highly trained scientists** is available in appropriate scientific disciplines to address the Nation's biomedical, behavioral, and clinical research needs.
- To **support** the training of pre-and postdoctoral scientists, dual-degree investigators, and senior researchers

The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (**Parent F32**) is to:

- support **promising applicants** during their mentored postdoctoral training under the guidance of **outstanding faculty sponsors**
- Enhance the potential to develop into a productive, independent researcher
- The **training plan** should document the need for, and the anticipated value of, the proposed mentored training in relationship to the individual's research career goals.
- The **training plan** should also facilitate the fellow's transition to the next stage of his/her career

## **F32 will provide a mentored training experience with:**

- A **strong foundation** in research design, methods, and analytic techniques
- Enhanced ability to **conceptualize and think through research problems** with independence
- Experience conducting research using appropriate, **state-of-the-art methods**, as well as **presenting** and **publishing the research findings as first author**
- The opportunity to **interact** with members of the scientific community at scientific meetings
- Skills needed to **transition to the next stage** of the applicant's research career
- Enhance the applicant's **understanding of the health-related sciences** and the relationship of his/her research to health and disease

The **Kirschstein-NRSA F32 award** may provide up to **three years of support for postdoctoral research training**.

The NIH encourages applications from individuals sufficiently **early in their postdoctoral training period** that they can benefit from the mentored research and training opportunities of an individual fellowship award.

# Institutes that support the F32

National Cancer Institute ([NCI](#))

National Eye Institute ([NEI](#))

National Heart, Lung, and Blood Institute ([NHLBI](#))

National Human Genome Research Institute ([NHGRI](#))

National Institute on Aging ([NIA](#))

National Institute on Alcohol Abuse and Alcoholism ([NIAAA](#))

National Institute of Allergy and Infectious Diseases ([NIAID](#))

National Institute of Arthritis and Musculoskeletal and Skin Diseases ([NIAMS](#))

National Institute of Biomedical Imaging and Bioengineering ([NIBIB](#))

Eunice Kennedy Shriver National Institute of Child Health and Human Development([NICHD](#))

National Institute on Deafness and Other Communication Disorders ([NIDCD](#))

National Institute of Dental and Craniofacial Research ([NIDCR](#))

National Institute of Diabetes and Digestive and Kidney Diseases ([NIDDK](#))

National Institute on Drug Abuse ([NIDA](#))

National Institute of Environmental Health Sciences ([NIEHS](#))

National Institute of General Medical Sciences ([NIGMS](#))

National Institute of Mental Health ([NIMH](#))

National Institute of Nursing Research ([NINR](#))

National Institute on Minority Health and Health Disparities ([NIMHD](#))

National Center for Complementary and Integrative Health ([NCCIH](#))

## Note:

- Not **all** NIH Institutes and Centers participate in Parent Announcements.
- Applicants should carefully note which ICs participate in this announcement and view their respective areas of research interest and requirements at the [Table of IC-Specific Information, Requirements and Staff Contacts](#) website. ICs that do not participate in this announcement will not consider applications for funding.
- **Prior consultation with NIH staff is strongly encouraged.**
- Each NIH Institute has a unique scientific portfolio & different program initiatives

## Your application needs to respond to an individual mission (NHLBI)

### NHLBI Mission

The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI.

- Applications to this FOA are accepted from students enrolled in a combined MD/PhD program
- The NHLBI supports research training and career development of researchers in fundamental sciences and clinical disciplines related to **heart, vascular, lung, and blood diseases; sleep disorders; and blood resources**. Among the areas of emphasis, but not limited to, in research training are **Computational Biology, Bioinformatics, Systems Biology or Network Biology, and Interdisciplinary Research**.
- Other areas of interest shared by the NHLBI and other Institutes/Centers of the NIH include **myeloproliferative and myelodysplastic disorders, hematological malignancies resulting from disruptions in hematopoiesis, and the use of hematopoietic stem cell transplantation and other cellular therapies**.
- The **NHLBI** does not support fellowship projects primarily focused on **malignancy-related research, vaccine development, or pathogens *per se***.

Therefore, applicants are strongly encouraged to contact the NHLBI before submitting an application to determine its appropriateness for this FOA and the mission of the NHLBI.

# Most NIH Institutes support the F31, but Not Each Institute equally support F31s

## NIH-Table 203 Fellowships (F31)

### Competing Applications, Awards, Success Rates and Total Funding Fiscal Years (2007-2016)

2016	F31	NCCIH****	5	4	80.0%	\$138,698
2016	F31	NCI	302	86	28.5%	\$3,183,545
2016	F31	NEI	56	21	37.5%	\$809,105
2016	F31	NHGRI	10	3	30.0%	\$82,874
2016	F31	NHLBI	181	80	44.2%	\$3,015,779
2016	F31	NIA	101	27	26.7%	\$1,024,058
2016	F31	NIAAA	76	30	39.5%	\$1,188,289
2016	F31	NIAID	251	39	15.5%	\$1,509,997
2016	F31	NIAMS	83	11	13.3%	\$451,629
2016	F31	NIBIB	43	7	16.3%	\$264,753
2016	F31	NICHD	152	26	17.1%	\$982,986
2016	F31	NIDA	128	36	28.1%	\$1,334,845
2016	F31	NIDCD	66	28	42.4%	\$1,024,563
2016	F31	NIDCR	29	15	51.7%	\$580,147
2016	F31	NIDDK	152	36	23.7%	\$1,285,280
2016	F31	NIEHS	53	11	20.8%	\$380,188
2016	F31	NIGMS	350	47	13.4%	\$1,741,226
2016	F31	NIMH	236	36	15.3%	\$1,386,637
2016	F31	NIMHD***	22	2	9.1%	\$71,152
2016	F31	NINDS	267	56	21.0%	\$2,118,815
2016	F31	NINR	53	22	41.5%	\$843,093
2016	F31	NLM	4	1	25.0%	\$40,790
2016	F31	Total	2,622	624	23.8%	\$23,458,449

# Most NIH Institutes support the F32, but Not Each Institute equally supports F32s

## NIH-Table 203 Fellowships (F32)

Competing Applications, Awards, Success Rates and Total Funding Fiscal Years (2007-2016)

2016	F32	NCCIH****	1	1	100.0%	\$78,010
2016	F32	NCI	223	43	19.3%	\$2,488,162
2016	F32	NEI	47	11	23.4%	\$610,094
2016	F32	NHGRI	5	1	20.0%	\$54,294
2016	F32	NHLBI	178	65	36.5%	\$3,828,136
2016	F32	NIA	67	16	23.9%	\$906,980
2016	F32	NIAAA	29	18	62.1%	\$990,059
2016	F32	NIAID	223	37	16.6%	\$2,040,791
2016	F32	NIAMS	55	10	18.2%	\$566,000
2016	F32	NIBIB	33	4	12.1%	\$167,084
2016	F32	NICHD	105	28	26.7%	\$1,634,439
2016	F32	NIDA	56	16	28.6%	\$898,652
2016	F32	NIDCD	58	20	34.5%	\$1,106,255
2016	F32	NIDCR	22	9	40.9%	\$519,969
2016	F32	NIDDK	174	58	33.3%	\$3,441,218
2016	F32	NIEHS	22	5	22.7%	\$285,122
2016	F32	NIGMS	411	114	27.7%	\$6,314,316
2016	F32	NIMH	126	25	19.8%	\$1,394,794
2016	F32	NINDS	175	34	19.4%	\$1,924,463
2016	F32	NINR	3	1	33.3%	\$56,118
2016	F32	Total	2,013	516	25.6%	\$29,304,956



# Submission Due Dates

- electronic submission: must be received by the Office of Research (MCW) one week before deadline, submitted through the e-bridge system)
- Setup a time line for completion

Mechanism(s)	Program Description	Application Form	Cycle I Due Date	Cycle II Due Date	Cycle III Due Date
<b>F Series Fellowships</b>  Note, <i>new, renewal, resubmission</i>	<b>Individual National Research Service Awards (Standard)</b>	<a href="#"><u>SF424 (R&amp;R)</u></a>	April 8	August 8	December 8
<b>F31 Diversity Fellowships</b>  Note, <i>new, renewal, resubmission</i>	<b>Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research</b>	<a href="#"><u>SF424 (R&amp;R)</u></a>	April 13	August 13	December 13

For all Fellowship (F) Applications

Section of Application	Page Limits * (if different from FOA, FOA supersedes)
<b>Introduction to Resubmission or Revision Application</b> (when applicable)	1
<b>Applicant's Background and Goals for Fellowship Training</b>	6
<b>Specific Aims</b>	1
<b>Research Strategy</b>	6
<b>Respective Contributions</b>	1
<b>Selection of Sponsor and Institution</b>	1
<b>Training in Responsible Conduct of Research (School)</b>	1
<b>Sponsor and Co-Sponsor Statements (Mentor)</b>	6
<b>Letters of Support from Collaborators, Contributors, and Consultants</b>	6
<b>Description of Institutional Environment and Commitment to Training (Department)</b>	2
<b>Applications for Concurrent Support</b> (when applicable)	1
<b>Biographical Sketch</b>	5

## Example

# How to complete the “Applicant’s Background and Goals for Fellowship Training” (6 pages)

### A. Doctoral Dissertation (F32) and/or Research Experience (F31):

- Summarize your research experience in chronological order
- If you have no research experience, list other scientific experience
- Do not list academic courses. In summarizing their research experience

### B. Training Goals and Objectives:

- Describe your overall training goals for the duration of the fellowship
- Identify skills, theories, conceptual approaches, learned or enhanced during award
- Discuss how the proposed research will facilitate transition to your next career stage

### C. Activities Planned Under this Award:

- Describe, by year, activities (research, coursework, etc.) during the award
- Activities planned should be individually tailored and integrated with your research
- Describe skills and techniques will learn as well as non-research activities (e.g. professional development) during the award period
- Provide a timeline detailing the proposed research training and related activities for the entire duration of the program

## Define a Research Topic

- Identify a significant and impactful topic framed in the context of a ***testable hypothesis*** that provides a **training experience** within the ***expertise of your mentor***, ask if you need a co-sponsor.
- Identify an NIH Institute, which has a mission that matches your topic.
- Allow ~4-6 months to write an F application
  - Finish the Specific Aims and Research Strategy 1 month before submission.
  - Ask another faculty in your department to review your documents.