Foundation Grants for Postdocs in Life Sciences
(As per October 2022)

The NUPA Professional Development Committee and the NU Foundation Relations Office have joined forces to support the postdocs community with foundations grant applications. This document is the first outcome of this collaboration and will be followed by an event for postdocs in early 2023 (as most applications are due in the first half of the year). This event will provide tips and tricks to submit successful foundation grant applications. For the moment, postdocs in life sciences can use this list (compiled by the NU Foundation Relations Office) to find appropriate funding opportunities and start preparing an application. For more information, please check www.northwestern.edu/foundationrelations or contact Sarah Fodor (s-fodor@northwestern.edu) or Maureen Scherrer (maureen.scherrer@northwestern.edu).
**Brain & Behavior Research Foundation: Young Investigator Grants**
This program enables promising investigators in neuroscience and psychiatry to either extend research fellowship training or begin careers as independent research faculty. Funding is intended to help young investigators gather pilot data to apply for larger federal and university grants. All research must be relevant to our understanding, treatment, and prevention of serious psychiatric disorders or early onset brain and behavior disorders. Applicants must have a doctoral degree and be employed in research training of a faculty research position. The YI Grant is intended to support advanced postdoctoral fellows, instructors and assistant professors (or equivalent). First year postdoctoral fellows are ineligible.
- **Amount:** $70,000
- **Deadline:** TBD (expected March 2023)

**Beckman Foundation: Postdoctoral Fellowship in Chemical Sciences or Chemical Instrumentation**
This program supports advanced research by postdoctoral scholars within the core areas of fundamental chemistry or the development and build of chemical instrumentation. There are two tracks for fellowships:
- Postdoctoral Fellowship in Chemical Sciences will allow chemists to pursue advanced research within the core areas of fundamental chemistry, such as chemical physics, chemical engineering, and chemistry of materials research. The fellowship is not intended to fund proposals that are supported by traditional NIH mechanisms in the fields of chemistry, chemical biology, biochemistry.
- Postdoctoral Fellowship in Chemical Instrumentation will allow researchers in chemistry to conceptualize, develop and build instrumentation suitable to advanced research in chemistry, chemical physics, chemical engineering, and chemistry of materials science.
To be eligible, applicants must be 1) a current graduate student anticipated to complete a PhD in the chemical sciences by May 1, 2023 (exp. May 2024 for 2023 deadline) or 2) a current postdoctoral researcher with a granted/conferred PhD in the chemical sciences with no more than 18 months cumulative postdoctoral research experience (at time of application due date).
- **Amount:** $180,000-$470,000
- **Deadline:** TBD (expected September 2023)

**Burroughs Wellcome Fund: Biomedical Postdoctoral Diversity Enrichment Program**
This program provides support for career development activities for underrepresented minority postdoctoral fellows for stellar careers in biomedical or medical research. Applicants should have no more than 36 months of postdoctoral research experience at the time of application and should not be more than five years from their Ph.D.
- **Amount:** $60,000
- **Deadline:** TBD (expected January 2023)

**Burroughs Wellcome Fund: Career Awards for Medical Scientists**
This is a highly competitive program for physician-scientists, who are committed to an academic career, to bridge advanced postdoctoral/fellowship training and the early years of faculty service. Proposals must be in the area of basic biomedical, disease-oriented, or translational research. BWF is also
interested in artificial intelligence and machine learning. Proposals in health services research or involving large-scale clinical trials are not eligible. Competitive candidates for the CAMS award will have at least two years of research experience, be two years away from becoming an independent investigator, be a first author on at least one publication in a high impact top-tier journal, and have a significant publication record.

- Amount: $700,000
- Deadline: October 4, 2022 (annual program)

**Burroughs Wellcome Fund: Career Awards at the Scientific Interface**

This program bridges advanced postdoctoral training and the first three years of faculty service. The program fosters the early career development of researchers who are transitioning from training environments in the physical, mathematical, computational sciences and/or engineering into postdoctoral work in the biological sciences, and who are dedicated to pursuing a career in academic research. Candidates must hold a PhD degree in one of the fields of mathematics, physics, chemistry, computer science, statistics, or engineering. Candidates must have completed at least 12 months but not more than 60 months of postdoctoral research by the date of the full invited application deadline.

- Amount: $500,000
- Deadline: TBD (expected September 2023)

**Damon Runyon Cancer Research Foundation: Fellowship Award**

This program supports theoretical and experimental research relevant to the study of cancer and the search for cancer causes, mechanisms, therapies, and prevention. Candidates must apply for the fellowship under the guidance of a Sponsor—a scientist (tenured, tenure-track or equivalent position) capable of providing mentorship to the Fellow. Applicants must have completed one or more of the following degrees or its equivalent: MD, PhD, MD/PhD, DDS, DVM, DO. Basic and physician-scientists must have received their degrees no more than 18 months prior to the application deadline date. Physician-scientist applicants (MD, MD/PhD, DDS, DVM, DO or the equivalent) must have completed their residencies and clinical training, must be board eligible in the United States at the start date of the Damon Runyon Fellowship, and be able to devote at least 80% of their time to Damon Runyon-supported research activities. Candidates who have already accepted a postdoctoral research fellowship award are not eligible.

- Amount: $260,000
- Deadline: March 15, 2023 and TBD (expected August 2023)

**Helen Hay Whitney Foundation: Biomedical Research Fellowship**

The Helen Hay Whitney Foundation supports early postdoctoral research training in all basic biomedical sciences. To attain its goal of increasing the number of imaginative, well trained and dedicated medical scientists, the Foundation grants financial support of sufficient duration to help further the careers of young men and women engaged in biological or medical research. Candidates who hold, or are in the final stages of obtaining, a Ph.D., M.D., or equivalent degree and are seeking beginning postdoctoral training in basic biomedical research are eligible to apply for a fellowship. The Foundation accepts
applications from candidates who have no more than two years of postdoctoral research experience at the time of the deadline for submitting the application, and who have received a Ph.D. (or D.Phil. or equivalent) degree no more than three years before the deadline, or an M.D. degree no more than four years before the deadline.

- **Amount:** $181,500
- **Deadline:** TBD (expected June 2022)

**Howard Hughes Medical Institute: Hanna H Gray Fellowship**

The goal of the Hanna H. Gray Fellows Program is to recruit and retain individuals from gender, racial, ethnic, and other groups underrepresented in the life sciences, including those individuals from disadvantaged backgrounds. Through their successful careers, HHMI Hanna Gray Fellows will become leaders in academic research and inspire future generations of scientists. Applicants must have earned/will earn their PhD between 5/30/21-1/16/24.

- **Amount:** $180,000-$1,440,000 (includes both postdoc and faculty phases)
- **Deadline:** 12/7/22

**Human Frontier Science Program: Postdoctoral Fellowships in the Life Sciences**

This program supports proposals for frontier, potentially transformative research in the life sciences. Projects should be interdisciplinary in nature and should challenge existing paradigms by using novel approaches and techniques. Scientifically, they should address an important problem or a barrier to progress in the field. **Long-Term Fellowships (LTF)** are for applicants with a PhD on a biological topic who want to embark on a novel and frontier project focusing on the life sciences. **Cross-Disciplinary Fellowships (CDF)** are for applicants who hold a doctoral degree from a non-biological discipline (e.g. physics, chemistry, mathematics, engineering or computer sciences) and who have not worked in the life sciences before. Candidates must propose work in a country different than the one in which they did their PhD research or previous postdoctoral research. A doctoral degree must be conferred by the start of the fellowship or within three years prior to the submission deadline of the full proposal (this year, September).

- **Amount:** Not specified
- **Deadline:** TBD (expected May 2023)

**Human Vaccines Project: Michelson Prizes**

The Michelson Prizes: Next Generation Grants aim to support promising researchers who are applying disruptive concepts and inventive processes to advance human immunology, vaccine discovery, and immunotherapy research for major global diseases. The committee looks for research aimed at tackling the current roadblocks that exist in human vaccine development and expanding our limited understanding of key immune processes that are fundamental to successful vaccine and immunotherapy development. Applicants must be under the age of 35 at the time of application.

- **Amount:** $150,000
- **Deadline:** TBD (expected June 2023)

**Jane Coffin Childs Memorial Fund for Medical Research: Medical Research Fellowship**
This program supports research into the causes and treatment of cancer. The Fund has taken a broad approach to the study of cell growth and development, emphasizing the study of the basic biology and chemistry of the underlying processes. Applicants in general should not have more than one year of postdoctoral experience, PhDs must not have been conferred 18 months prior to the deadline date, and MDs should not have been conferred more than three years prior to the date the application is due.

- Amount: $177,000+
- Deadline: TBD (expected February 2023)

**Juvenile Diabetes Research Foundation: Postdoctoral and Advanced Postdoctoral Fellowships**

JDRF is focused on funding and catalyzing research that will lead to a cure of Type 1 diabetes (T1D), improving the quality of life and relieving the burden for people living with T1D, and preventing the disease. The Advanced Postdoctoral Fellowship program is designed to attract qualified and promising health scientists, to provide an opportunity to receive full time research training, and to assist these promising individuals in transitioning from a fellowship to an independent (faculty-level) position. Generally, the most recent doctoral degree (PhD, MD, DMD, DVM, or equivalent) will have been received no more than 6 years before the application is submitted. The Postdoctoral Fellowship program is designed to attract qualified, promising scientists entering their professional career in the T1D research field. The applicant is required to work with a sponsor who can provide a training environment conducive to beginning a career in type 1 diabetes-relevant research. Ordinarily, the most recent doctoral degree (PhD, MD, DMD, DVM, or equivalent) will have been received no more than 5 years before the application is submitted.

- Amount: $95,000-$285,000 (Advanced Postdoctoral Fellowships); $5,500-$16,500 (Postdoctoral Fellowships)
- Deadline: TBD (expected June 2023)

**The Lalor Foundation: Reproductive Health Fellowships**

The Lalor Foundation postdoctoral fellowship program supports promising new researchers in establishing scientific and teaching careers. The program’s mission is to support these researchers early in their work so that they can become independently funded in the field of mammalian reproductive biology as related to the regulation of fertility. The individual should have training and experience at least equal to the Ph.D. or M.D. level and should not have a faculty appointment (i.e., instructor, lecturer, or higher). Potential fellows cannot have held the doctoral degree more than two years from receipt of the degree.

- Amount: $55,000+
- Deadline: January 17, 2023 (annual program)

**Leukemia and Lymphoma Society: Career Development Program**

This program offers career development awards to support the salaries of postdoctoral fellows and instructors, as well as early-career independent investigators, who are engaging in basic, clinical, or translational research to help understand and treat hematologic malignancies and relevant premalignant conditions. Postdocs are eligible for the special fellow (3-5 years of research training) and fellow (less than three years of research training) programs.
- **Amount**: $140,000+
- **Deadline**: November 1, 2022 (annual program)

**Life Sciences Research Foundation: Life Sciences Research Grants**
This program supports exceptional postdoctoral researchers in all areas of basic life sciences discovery. The Foundation seeks to identify exceptional young scientists and secure funding for their projects through partnerships with biotech and pharma companies, foundation, and philanthropic individuals. Applicants must apply within 5 years of receiving their PhD (or MD/DVM whichever was awarded later) as of the application deadline. Applicants must have begun working (or will be working) in the proposed postdoc lab no more than 14 months prior or 10 months after the application deadline. October 1, 2022.
- **Amount**: $231,000
- **Deadline**: October 1, 2022 (annual program)

**Simons Foundation Collaboration on the Global Brain: Transition to Independence Award**
The Transition to Independence (TTI) Award in Systems and Computational Neuroscience aims to facilitate the transition of outstanding systems and computational neuroscientists from historically underrepresented backgrounds to research independence. Through this effort, the Foundation seeks to fund scientists doing work consistent with SCGB’s scientific mission, ideally investigating large-scale circuits at single-cell resolution to understand neural dynamics and coding. The RFP is aimed at Ph.D. and M.D.-holding scientists who are currently in training positions but intend to seek tenure-track research faculty positions during the upcoming academic job cycle.
- **Amount**: $495,000
- **Deadline**: TBD (expected April 2023)