

**FOUNDATION FUNDING OPPORTUNITIES: APRIL 22, 2022**

Please contact Corporate & Foundation Relations in the Office of Development at [devcfr@mgh.harvard.edu](mailto:devcfr@mgh.harvard.edu) if you wish to submit a proposal in response to any of these opportunities. Note that proposals are still routed through the standard InfoEd/Research Management process.

Please be aware that any grant that brings in less than **15% in indirect costs (IDC)** will need to be supplemented up to the 15% equivalent by existing investigator or departmental sundry funds. Resolution of this issue must occur prior to submitting a proposal. Training fellowships from foundations, public charity, and non-profit organizations are excluded from this minimum IDC requirement.

The MGB **Proposal Deadline Policy** establishes internal deadlines for sponsored research proposals to ensure that submissions meet sponsor criteria and institutional/regulatory requirements. Deadlines are:

- The complete Administrative Components are due to Research Management (RM) on or before the **8th Business Day** by 5 PM.
- The Final (Science) Components are due to RM on or before the **3rd Business Day**.

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**1. Investigator's Award in Cell and Gene Therapy for Cancer, Alliance for Cancer Gene Therapy (ACGT)**

This award is for those conducting cell and gene therapy research in solid tumors with preference given to mechanistic studies that promote validation of therapeutic efficacy and help develop IND-enabling proposals that address the following areas:

- Identifying new molecular targets for solid tumors, including neo-antigens in tumor and stroma as immunotherapeutic targets.
- Addressing the challenge of genomic instability, increasing tumor mutational burden, and associated tumor heterogeneity to reduce the possibility of tumor escape.
- Expanding beyond conventional alpha-beta T-cell therapies – identify other cell types including engineered B cells, macrophages, inducible pluripotent stem cells, NKT, and gamma-delta T cells that can be leveraged to promote tumor eradication and control.
- Identifying and prosecuting biomarkers of response and resistance to cell and gene therapies.
- Enhancing our understanding of the disordered tumor microenvironment (TME) and its role in promoting tumor growth, as well as immunosuppression and T-cell exhaustion, and developing novel approaches to diminish the tumor’s ability to limit the efficacy of cell and gene therapy.
- Understanding the influence of the myeloid compartment, targeting macrophages and dendritic cells to regulate tumor immunity.
- Exploiting the epigenetic landscape of cancer as well as the associated functional and defective T cells in cancer.
- Developing oncolytic virotherapy approaches in solid tumors, especially exploiting their potential to convert “cold tumors” into “hot tumors.”
- Developing next-generation synthetic biology systems with more potent effector activity, enhanced durability, and improved safety, compared to earlier cellular therapeutics.

Citizenship: Unrestricted

Award Amount: \$500,000 paid over 2-3 years

Indirect Costs: 10% inclusive

LOI Deadline: May 9, 2022

MGB Research Management Deadline: June 29, 2022

(Invited) Application Deadline: July 11, 2022

Website: <https://acgtfoundation.org/groundbreaking-research/apply-for-funding/>

## **2. Grants the Welfare of Children, American Legion Child Welfare Foundation, Inc.**

We accept proposals from nonprofit organizations for projects which meet one of the Foundation’s two basic purposes:

- To contribute to the physical, mental, emotional and spiritual welfare of children through the dissemination of knowledge about new and innovative organizations and/or their programs designed to benefit youth; and
- To contribute to the physical, mental, emotional and spiritual welfare of children through the dissemination of knowledge already possessed by well-established organizations, to the end that such information can be more adequately used by society.

Citizenship: Unrestricted

Award Amount: Unspecified

Indirect Costs: None

MGB Research Management Deadline: July 6, 2022

Application Deadline: July 15, 2022

Website: <http://www.cwf-inc.org/grantseekers/overview>

### **3. Clinical Fellowship Programs in Multiple Sclerosis and Spinal Muscular Atrophy, Biogen**

Biogen considers requests to support clinical fellowship programs in Multiple Sclerosis and Spinal Muscular Atrophy.

We look for programs that:

- Focus on building the clinical skills of the specialist
- Provide a robust and comprehensive clinical program that will enable a fellow to demonstrate the skills and competencies learned during the program
- Provide an environment conducive to educating fellows in each of the Accreditation Council for Graduate Medical Education (ACGME) competency areas, which are:
  - Patient Care
  - Medical Knowledge
  - Practice-Based Learning and Improvement
  - Interpersonal Communication Skills
  - Professionalism
  - System-Based Practice
- Utilize qualified faculty who devote sufficient time to the educational program to fulfill their supervisory and teaching responsibilities and demonstrate a strong interest in the education of fellow(s)
- Provide training using multi-disciplinary teams
- Adhere to all applicable regulations, guidelines, and policies

Eligibility requirements (partial list):

- Have a sponsor who is a full-time faculty member of the requesting organization
- Not hold a full-time, tenure-track faculty position or its equivalent during the first year of the fellowship
- Be U.S. Board certified or Board eligible in Neurology
  - Multiple Sclerosis Clinical Fellowship candidates must hold an active MD, DO, NP-BC or PA-C license in good standing
  - Alzheimer's Disease Clinical Fellowship candidates must hold an active MD or DO license in good standing

Citizenship: United States

Award Amount: \$90,000 for 1 year

Indirect Costs: None

MGB Research Management Deadline: July 6, 2022

Application Deadline: July 15, 2022

Website: <https://grantsandgiving.biogen.com/content/gma-grants-office/en/us/fellowships.html>

#### **4. Postdoctoral Research Fellowships, Cystic Fibrosis Foundation (CFF)**

Postdoctoral research fellowships are offered for support of postdoctoral research training related to CF. These awards are intended to enable research training in new research areas and methods to advance the scientific knowledge of the applicant and to collect data to enable their transition into an independent research career. Research projects proposed through this program should seek to improve our understanding of disease pathogenesis, such as defects in airway defense, microbial adaptation to the CF lung, mucociliary clearance and airway hydration, and extrapulmonary manifestations of the disease.

Citizenship: Unrestricted

Award Amount: \$129,050 paid over 2 years

Indirect Costs: None

MGB Research Management Deadline: May 3, 2022

Application Deadline: May 12, 2022

Website: <https://www.cff.org/researchers/postdoctoral-research-fellowship-award>

#### **5. Research Grants, Cystic Fibrosis Foundation (CFF)**

Research Grants are intended to encourage the development of new information that contributes to the understanding of the basic etiology and pathogenesis of CF. In addition, consideration will be given to those projects that provide insight into the development of information that may contribute to the development of new therapies for CF. All proposals must be hypothesis driven, and sufficient preliminary data must be provided to justify support from the Cystic Fibrosis Foundation. Information derived from such studies will hopefully lead to submission to other funding agencies, such as the National Institutes of Health (NIH).

Citizenship: Unrestricted

Award Amount: \$300,000 paid over 2 years

Indirect Costs: 12%

MGB Research Management Deadline: May 3, 2022

Application Deadline: May 12, 2022

Website: <https://www.cff.org/Research/Researcher-Resources/Awards-and-Grants/Research-Awards/Research-Grants/>

#### **6. Michelson Prizes, Human Vaccines Project**

The Michelson Prizes: Next Generation Grants are given annually 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.

This year, the Michelson Prizes are looking for research proposals in Human Immunology and Vaccine Research. The committee will be looking 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. The committee will be looking for research that is highly innovative and impactful, with the potential to be applied across many diseases.

While the Michelson Prizes are focused on research in the fields of immunology, vaccine and immunotherapy discovery, applicants from the full spectrum of related disciplines, including clinical research, biochemistry, molecular biology, protein engineering, computer science, artificial intelligence/machine learning, biophysics, nanotechnology, etc., are encouraged to apply.

Eligibility requirements (partial list):

- Applicants must be 35 or younger at the time of submission.
- Early career independent investigators, postdoctoral fellows, clinical fellows (including residents and interns), and other researchers currently in training positions are eligible for these awards.

Citizenship: Unrestricted

Award Amount: \$150,000 for 1 year

Indirect Costs: None

MGB Research Management Deadline: June 16, 2022

Application Deadline: June 26, 2022

Website: <https://www.humanvaccinesproject.org/MichelsonPrizes/>

## **7. Research Support Grants, Oral and Maxillofacial Surgery Foundation (OMSF)**

Purpose of the Research Support Grant:

- Further the development of scientific investigators who are committed to problems related to oral and maxillofacial surgery.
- Foster inter-professional research collaborations.
- Encourage promising lines of basic, translational, and patient-oriented research consistent with the research priorities established by the specialty.

Eligibility requirements (partial list):

- Applicant oral and maxillofacial surgeon (OMS) must have completed an oral and maxillofacial surgery training program accredited by the Commission on Dental Accreditation of the American Dental Association (CODA).
- The OMS who is the PI or Co-PI must be a fellow or member of the American Association of Oral and Maxillofacial Surgeons (AAOMS) and must be a donor of the OMS Foundation.

Citizenship: United States

Award Amount: \$75,000 for 1 year

Indirect Costs: None

MGB Research Management Deadline: August 22, 2022

Application Deadline: August 31, 2022

Website: <http://omsfoundation.org/research-education/apply/>

### **8. Research Grants, PSC Partners Seeking a Cure**

PSC Partners and affiliate PSC Partners Canada offer grants to conduct research that addresses an important and novel, basic or clinical research question related to PSC and closely associated diseases (such as inflammatory bowel diseases (IBD) and cholangiocarcinoma). Our Research Grants Program seeks to encourage investigators to conduct research in promising new areas, with the goal that data generated will lead to federal (NIH) or external international funding.

PSC Partners Seeking a Cure is particularly interested in funding research projects that:

- Foster interdisciplinary collaborations and the sharing of resources as a means of accelerating progress in PSC research
  - If the proposal includes a specific plan for sharing of results (collaborations) and resources (such as DNA), this will result in a more favorable review.
- Have the potential to discover a cure for PSC
- Identify novel therapies that may significantly delay time to liver transplantation, prevent disease recurrence following liver transplantation, and/or improve the quality of life of those with PSC
- Aim to identify the gene-environment interactions contributing to disease initiation and progression
- Explore PSC-related diseases (IBD, UC, and Crohn's disease) in ways that they impact, enable, or, perhaps, cause PSC
- Address PSC in children and adolescents
- Address PSC-related fatigue
- Will be complementary to the goals and objectives of the International PSC Study Group, including investigation of the functional roles of genes associated with susceptibility to and severity of PSC
- Address the mechanisms of PSC pathogenesis and colorectal and cholangiocarcinoma carcinogenesis, as well as strategies for prevention

Citizenship: Unrestricted

Award Amount:

- Research Grant: \$60,000 paid over 2 years
- Young Investigator Award: \$80,000 paid over 2 years

Indirect Costs: None

LOI Deadline: May 16, 2022

MGB Research Management Deadline: July 7, 2022

Application Deadline: July 18, 2022

Website: <http://pscpartners.org/research-grants/grant-application/>

### **9. Mental Health Award: Cognitive and Functional Outcomes in Psychosis, Wellcome Trust NEW!**

As part of our strategic focus on mental health as a key global health challenge, we aim to enable early intervention for the most common and the most severe mental health conditions, in ways that reflect the priorities and needs of people experiencing them. This work includes developing and improving ways to predict, identify and intervene as early as possible for anxiety, depression and psychosis.

This call aims to improve cognitive and functional outcomes for people experiencing, or at risk of, psychosis, an area of unmet patient need.

Wellcome recently commissioned a review of interventions targeting cognitive impairment in psychosis. It highlighted that "cognitive impairments are a core feature of psychotic disorders and often appear well before the onset of full-threshold psychotic disorder. While psychotic and other psychiatric symptoms generally respond to medication and psychotherapy, cognitive impairments often interfere with full functional recovery, including the ability to achieve vocational success and independent living."

In this one-off call, we are looking to:

- support the development and evaluation of interventions to improve cognitive and functional outcomes in people experiencing, or at risk of, psychosis, and
- increase our understanding of the potential for markers of cognitive functioning to enable risk or treatment stratification for people experiencing, or at risk of, psychosis.

Citizenship: Unrestricted

Award Amount:

- Interventions: Up to £3 million (≈ \$3.9 million) for up to 5 years
- Cognitive Function Markers: Up to £1 million (≈ \$1.3 million) for up to 3 years

Indirect Costs: 15%

Pre-Application Deadline: May 5, 2022

MGB Research Management Deadline: July 26, 2022

(Invited) Application Deadline: August 4, 2022

Website: <https://wellcome.org/grant-funding/schemes/improving-cognitive-and-functional-outcomes-psychosis>