WORCESTER POLYTECHNIC INSTITUTE

Office of Foundation and Corporate Philanthropy
FUNDING OPPORTUNITIES: April – June 2020
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- Subject Area -

Click on an opportunity to see more detail:	Award Amount	Submission Deadline	Arts & Humanities	Biology & Biotechnology	Business	Chemistry	Computer Science	Engineering	Mathematics	Physics	Social Sciences
Alex's Lemonade Stand Foundation Childhood Cancer: 'A' Award	Up to $1M	5/20/2020		X		X		X			
Alex's Lemonade Stand Foundation Childhood Cancer: Psychosocial Grants	$100K - $300K	6/15/2020		X		X		X			
Alfred P. Sloan Foundation: Chemistry of Indoor Environments	Up to $1.5M+	LOI Rolling				X					
Alfred P. Sloan Foundation: Data and Computational Research	Up to $1.5M+	LOI Rolling					X				
Alfred P. Sloan Foundation: Digital Information Technology	Up to $1.5M+	LOI Rolling					X		X		X
Amazon: Machine Learning Research Awards	Up to $100K	Rolling					X	X			
American Cancer Society: Institutional Research Grants	$360K average	4/1/2020		X		X		X			
American Cancer Society: Postdoctoral Fellowships	$177K	4/1/2020		X		X		X			
American Cancer Society: Research Scholar Grants	Up to $660K	4/1/2020		X		X		X			
American Legion Child Welfare Foundation: Grants	Up to $50K	7/15/2020									X
American Occupational Therapy Foundation & Michael J. Fox Foundation – Occupational Therapy in Parkinson's Disease Intervention Research Grants	Up to $100K	LOI 5/15/2020		X							
American Psychological Foundation: Visionary Grants	Up to $20K	4/1/2020									X
Avery Dennison Corporation	$3K to $225K	Rolling	X	X		X	X	X	X	X	X
Bloomberg Data Science: Ph.D. Fellowships	Varies	4/5/2020		X		X	X	X		X	X
Brady Education Foundation (BEF): Existing Program Evaluation Grants	$100K - $413K	4/1/2020									X
Brain & Behavior Research Foundation: NARSAD Distinguished Investigator Grant	Up to $100K	June-July		X							
Brain Research Foundation: Annual Scientific Innovations Award *	$150K	6/23/2020		X							
Breast Cancer Alliance: Exceptional Project Grants *	$100K	4/5/2020		X							
The Brinson Foundation: Scientific Research	$62K average	LOI Rolling		X						X	
Camille & Henry Dreyfus Foundation: Machine Learning in the Chemical Sciences and Engineering Grants	Varies	4/2/2020				X	X	X			
Carnegie Corporation of New York: Education Program	$10K - $1.25M	LOI Rolling	X				X				X

* Limited Submission Policy (LSP) Contact Department Head and WPI Foundation & Corporate Philanthropy at least one month prior to the application deadline.

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Foundation	Award Amount	Submission Deadline	Arts & Humanities	Biology & Biotechnology	Business	Chemistry	Computer Science	Engineering	Mathematics	Physics	Social Sciences
Charles Pankow Foundation: Research Grants	$105K - $400K	Rolling						X			
Children's Cancer Research Fund: Emerging Scientist Award	$100K	5/30/2020		X							
Cisco Systems	Varies	Rolling					X				
Comcast Innovation Fund	Up to $150K	Rolling					X				
Commonwealth Fund	$260K average	LOI Rolling				X	X				X
Craig H. Neilsen Foundation: Spinal Cord Injury Research on the Translational Spectrum	$149K average	LOI 5/11/2020		X							
Crohn's & Colitis Foundation: Senior Research Awards	Up to $105,300	LOI 5/5/2020		X							
Elsa U. Pardee Foundation: Cancer Research	$115K - $200K	4/30/2020		X							
Emil Buehler Perpetual Trust	Up to $500K	6/1/2020					X	X			
Entertainment Software Association Foundation	Up to $50K	6/22/2020					X				X
Environmental Research & Education Foundation	$160K average	6/1/2020				X		X			
Facebook: Networking Systems Grants	$50K	6/7/2020					X				
Ford Foundation	$100K+	Rolling	X				X				X
Foundation for Child Development: Young Scholars Program	Up to $225K	6/10/2020									X
G. Harold & Leila Y. Mathers Charitable Foundation	$75K - $770K	LOI Rolling		X							
Georgia-Pacific Foundation Grants	Varies	Rolling	X	X	X	X	X	X	X	X	X
Gerber Foundation: Pediatric Research Grants	Up to $350K	5/15/2020		X							X
Gladys Brooks Foundation	$50K - $100K	5/31/2020	X								
The Gladys Krieble Delmas Foundation	Up to $100K	Rolling	X								
Health Foundation of Central Massachusetts: Activation Fund *	$28K to $110K	LOI 4/30/2020		X				X			X
Henry P. Kendall Foundation: New England Food Vision Prize	Up to $250K	LOI 6/1/2020									X
James S. McDonnell Foundation: Teachers as Learners Grants	Up to $2.5M	LOI 5/8/2020				X					X
Julian Schwinger Foundation for Physics Research	Up to $50K	Rolling								X	
Knight Foundation: Quality Journalism, Media Innovation, Community Engagement & the Arts	Up to $1M	Rolling	X				X				X
Lockheed Martin	Varies	Rolling			X		X	X	X	X	

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Mabel Louise Riley Foundation	$50K - $100K	Rolling	X								X
Max & Victoria Dreyfus Foundation Grants	$1K - $20K	5/10/2020	X	X	X	X	X	X	X	X	X
Mark Foundation: Emerging Leader Award	$750K	LOI 5/10/2020		X							
Michael & Susan Dell Foundation Grants	Up to $1M	Rolling	X								X
Michael J. Fox Foundation: Therapeutic Pipeline Program	Up to $2M	4/19/2020		X							
Microsoft: AI for Earth Azure Grant	N/A	Rolling					X				
The Morton Cure Paralysis Fund	$5K to $75K	4/30/2020		X							
Mozilla: Creative Media Awards	Up to $30K	June 2020	X				X				X
Mozilla: Fellowships	$60K	LOI 4/8/2020					X				
National Operating Committee for Standards in Athlete Equipment: Research Grants	Up to $250K	LOI 5/1/2020		X							
New Harvest: Graduate Fellowships	Up to $40K/year	4/15/2020		X							
New Harvest: Postdoctoral Fellowships	Up to $55K/year	4/15/2020		X							
North American Neuroendocrine Tumor Society – Basic/Translational Science Investigator Award	$100K	6/12/2020		X							
Paralyzed Veterans of America: Education Foundation	$50K - $150K	7/1/2020		X				X			
RELX Group Environmental Challenge	$50K	5/31/2020						X			X
Research Corporation for Science Advancement: Cottrell Scholar	$100K	7/1/2020				X				X	
Robert Wood Johnson Foundation: Evidence for Action	Varies	LOI Rolling			X		X				X
Robert Wood Johnson Foundation: Pioneering Ideas Brief Proposal	$150K - $350K	Rolling			X		X				X
Russell Sage Foundation: Behavioral Economics	Up to $175K	LOI 5/21/2020	X		X						X
Russell Sage Foundation: Race, Ethnicity, and Immigration	Up to $175K	LOI 5/21/2020	X		X						X
Russell Sage Foundation: Social, Political and Economic Inequality	Up to $175K	LOI 5/21/2020	X		X						X
Samuel H. Kress Foundation: Digital Art History Grant Program	$11K - $70K	4/1/2020	X				X				
Samuel H. Kress Foundation: History of Art Grants Program	$6K - $66K	4/1/2020	X				X				

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Simons Foundation: SFARI Pilot Award	$300K	4/24/2020		X							
Simons Foundation: Targeted Grants for Mathematics and Physical Sciences (MPS)	Varies	LOI Rolling							X	X	
Society for Science & the Public: STEM Action Grants	Up to $5K	5/1/2020		X		X	X	X	X	X	X
Society of Fire Protection Engineers: Student Research Grants	Up to $25K	Rolling						X			
Spencer Foundation: Conference Grants	Up to $50K	5/7/2020	X			X					X
Spencer Foundation: Large Research Grants on Education	$125K - $500K	6/20/2020									X
Spencer Foundation: Lyle Spencer Research Awards	Up to $1M	5/22/2020									X
Spencer Foundation: Small Research Grants	Up to $50K	7/1/2020	X								X
Susan G. Komen – Career Catalyst Research (CCR) Grants	Up to $450K	LOI 7/10/2020		X							
Thome Memorial Foundation Awards Program: Age-Related Macular Degeneration Research	$500K	5/25/2020		X							
Toyota USA Foundation Grants	$50K+	Rolling		X				X	X		X
United Engineering Foundation Grants	$100K average	LOI 5/1/2020						X			
VentureWell BMEidea (Lemelson Foundation) *	Up to $10K	4/1/2020					X	X			
VentureWell E-Team Program (Lemelson Foundation)	Up to $25K	5/6/2020				X	X	X			
Whitehall Foundation: Research Grant-in-Aid	$30K	LOI 4/15/2020		X							
Whitehall Foundation: Research Grants	$90K - $225K	LOI 4/15/2020		X							
W.T. Grant Foundation: Research Grants	$100K - $1M	LOI 5/6/2020		X							X
W.T. Grant Foundation: Scholar Awards *	$350K	7/1/2020		X							X

Please contact **Lynn Lancaster** or **Erin Harper** in Foundation & Corporate Philanthropy at lmlancaster@wpi.edu or eharper@wpi.edu if you have any questions or before approaching a foundation.

Three Addition Resources for Grant-Seekers:
- ❖ *ProposalCENTRAL Opportunities* (https://proposalcentral.altum.com/opportunities.asp)
- ❖ Foundation Directory Online*
- ❖ PIVOT*

*Available through the WPI library's online databases

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lmlancaster@wpi.edu or eharper@wpi.edu with questions or before approaching a private funder.

➢ Alex's Lemonade Stand Foundation (ALSF) for Childhood Cancer: 'A' Award

- **Deadline: May 20, 2020 (anticipated)**
- **Grant Range: up to $1M over 5 years**

The 'A' Award is a four-year grant designed for the early independent career scientist who wants to establish a career in pediatric oncology research. The ideal applicant has an original project that is not currently being funded. Demonstration of a future commitment to pediatric cancer investigation, as well as institutional support for the career development of the investigator, are critical components of a successful application. A career development plan should be outlined; inclusion of a mentoring plan for at least the first 1-2 years of support is strongly encouraged.

For more information: https://www.alexslemonade.org/researchers-reviewers/calendar

➢ Alex's Lemonade Stand Foundation (ALSF) for Childhood Cancer: Psychosocial Grants

- **Deadline: June 15, 2020 for LOI**
- **Grant Range: up to $100K to $300K over 2 to 3 years**

ALSF offers two different Psychosocial Grant opportunities:

Launch Grants are designed for early career researchers within 7 years of receiving their terminal degree/completing formal training. Funding will support studies that aim to explain and/or improve psychosocial outcomes of those affected by childhood cancer. Demonstration of outstanding mentorship and a career plan that shows commitment to pediatric cancer investigation are important components of a successful application. Maximum $50,000 per year for two years will be awarded to applicants.

Family Impact Grants are designed for established investigators. Funding will support studies that aim to explain and/or improve psychosocial outcomes of those affected by childhood cancer. These grants are designed to fund researchers who have novel approaches to understanding the psychosocial aspects of pediatric cancer and whose proposals will have clinically significant impact. Award amount is a maximum of $100,000 per year for three years.

For more information: https://www.alexslemonade.org/researchers-reviewers/calendar

➤ Alfred P. Sloan Foundation: Chemistry of Indoor Environments

- **Deadline: Rolling for LOI**
- **Grant Range: $3K to $1.5M**

The goal of the program is to grow a new field of scientific inquiry focused on understanding the fundamental chemistry taking place in indoor environments and how that chemistry is shaped by building attributes and human occupancy. The program makes grants to achieve a series of interrelated goals:

- Generate new knowledge by directly supporting original, high-quality research to identify indoor chemical sources, characterize the chemical and physical transformations taking place indoors, and determine how indoor chemistry is shaped by building attributes and occupancy.
- Develop a modeling consortium to improve the cohesiveness of the community and its ability to integrate findings.
- Build a thriving, multidisciplinary research community of chemists; environmental, civil, and mechanical engineers; architects; atmospheric scientists; microbiologists; and environmental health experts that will endure beyond the program's timeline.
- Train the next generation of scholars and practitioners. An important component of this program is introducing new voices into the field and training the next generation of researchers.
- Develop community-wide research protocols, and norms.
- Advance capacity for discovery through development of new tools for data collection, sampling, analysis, and visualization.

For more information: https://sloan.org/programs/research/chemistry-of-indoor-environments

➤ Alfred P. Sloan Foundation: Data and Computational Research Grants

- **Deadline: Rolling for LOI**
- **Grant Range: Varies; recent grants range from $20K - $1.5M**

Grants in this program tend to fall into four broad types:

- Software grants support technology development ranging from prototyping funds to substantial scaling resources;
- Training grants to support work force training and curricular initiatives as well as targeted adoption of new technologies by specific communities;
- Research grants to bring historical, ethnographic, and economic research methods to bear on our understanding of scholarly activities in a changing technological context; and
- Community grants to build networks for knowledge exchange across disciplines as well as institutions that serve to incubate sustainable research and software projects.

For more information: https://sloan.org/programs/digital-technology/data-and-computational-research

➢ Alfred P. Sloan Foundation: Digital Information Technology

- **Deadline: Rolling for LOI**
- **Grant Range: In 2019, 13 grants in Digital Technology ranged from $20K to $1.5M**

Sloan's three programs in Digital Technology (below) explore how the internet and computing technology are creating new opportunities to empower the scientific enterprise and expand the public's access to knowledge.

Data and Computational Research
Scholarly Communication
Universal Access to Knowledge

Grants in this program tend to fall into four broad types:

- **Software grants** support technology development ranging from prototyping funds to substantial scaling resources;
- **Training grants** aim at supporting work force training and curricular initiatives as well as targeted adoption of new technologies by specific communities;
- **Research grants** bring historical, ethnographic, and economic research methods to bear on our understanding of scholarly activities in a changing technological context;
- **Community grants** build networks for knowledge exchange across disciplines as well as institutions that serve to incubate sustainable research and software projects.

Interested scholars should submit a letter of inquiry of no more than two pages to program director Joshua M. Greenberg who is charge of data and computational research and scholarly communication or email the program Doron Weber who is charge of universal access to knowledge.

For more information: https://sloan.org/programs/digital-technology

➢ Amazon: Machine Learning Research Awards

- **Deadline: Rolling with quarterly announcements**
- **Grant Range: Up to $100K per faculty member and up to $80K per student, plus AWS credits**

The AWS Machine Learning Research Awards (MLRA) assists faculty, PhD candidates, and graduate students with research to advance the frontiers of machine learning (ML) and its application across a wide range of problems---from finding new therapies for cancer to solving climate change and exploring outer space. MLRA provides eligible researchers and university programs cash awards and AWS Promotional Credits so that they can do more faster using the most advanced compute, analytics, and machine learning tools available in the cloud. To receive an application please contact AWS at aws-ml-research-awards@amazon.com.

For more information: https://aws.amazon.com/aws-ml-research-awards/

➢ American Cancer Society: Institutional Research Grants

- **Deadline: April 1, 2020**
- **Grant Range: average $360K over 3 years**

Institutional Research Grants are block grants averaging $120,000 per year for three years given to institutions as "seed money" for the initiation of projects by promising junior investigators. Applications are accepted

through ProposalCENTRAL.

For more information: https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant/grant-types/institutional-research-grants.html

> ## American Cancer Society: Postdoctoral Fellowships

- **Deadline: April 1, 2020**
- **Grant Range: $177K including progressive stipends of $52K, $54K & $56K/year plus fellowship allowance**

This award is to support the training of researchers who have received a doctoral degree to provide initial funding leading to an independent career in cancer research (including basic, preclinical, clinical, cancer control, psychosocial, behavioral, epidemiology, health services and health policy research). Applications are accepted through ProposalCENTRAL.

For more information: https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant/grant-types/postdoctoral-fellowships.html

> ## American Cancer Society: Research Scholar Grants

- **Deadline: April 1, 2020**
- **Grant Range: up to $660K over 4 years**

The Research Scholar Grant (RSG) supports investigator-initiated projects across the cancer research continuum. Independent investigators in the first 6 years of an independent research career or faculty appointment are eligible to apply. Applications are accepted through ProposalCENTRAL.

For more information: https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant/grant-types/research-scholar-grants.html

> ## American Legion Child Welfare Foundation

- **Deadline: Applications Open May 1 through July 15, 2020**
- **Grant Range: up to $50K**

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.

For more information: http://www.cwf-inc.org/grantseekers/submissionprocess

➢ **American Occupational Therapy Foundation & Michael J. Fox Foundation – Occupational Therapy in Parkinson's Disease Intervention Research Grants**

- **Deadline: May 15, 2020 for LOI**
- **Grant Range: up to $100K over 2 years**

This AOTF/ Michael J. Fox Foundation (MJFF) grant will be available to an occupational therapist researcher serving as the principal investigator for development of preliminary evidence as well as provide pilot data for subsequent larger research projects. The goal of the study is to grow the data in need and strengthen the evidence for OT in Parkinson's Disease by asking clinically relevant questions that advance the delivery of OT. This Intervention Research Grant (IRG) is targeted to principal investigators who do not currently have substantial extramural research awards as an independent principal investigator. Typically, the principal investigator (PI) will have a funding history associated with early stage, emerging, or early midcareer investigators that may include small research grants and training-related or mentored career awards. The PI must also have a commitment from an experienced research mentor who has an established record of substantial extramural grant funding, peer-reviewed publications, and supervision and mentoring of researchers.

For more information: https://www.michaeljfox.org/grant/occupational-therapy-parkinsons-disease-intervention

➢ **American Psychological Foundation: Visionary Grants**

- **Deadline: April 1, 2020**
- **Grant Range: up to $20K**

The APF Visionary Grants seek to seed innovation through supporting research, education and intervention projects and programs that use psychology to solve social problems in the following priority areas:

- Applying psychology to at-risk, vulnerable populations (e.g. serious mental illness, returning military, those who are incarcerated or economically disadvantaged)
- Preventing violence
- Understanding the connection between behavior and health (e.g. wellness, diabetes, obesity)
- Understanding and eliminating stigma and prejudice (e.g. race, gender, sexual orientation, religion, age, disability and socioeconomic status)

Preference will be given to pilot projects that, if successful, would be strong candidates for support from major federal and foundation funding agencies, and "demonstration projects" that promise to generalize broadly to similar settings in other geographical areas and/or to other settings.

For more information: https://www.apa.org/apf/funding/visionary

➢ **Avery Dennison Foundation**

- **Deadline: Rolling**; **decisions on a quarterly basis**
- **Grant Range: not specified; prior year range of $3K - $225K**

The Avery Dennison Foundation supports non-profit non-governmental organizations in markets where our employees live and work. Regardless of geography, all the grants we award will extend our strategic giving in

support of education, sustainability, and women's empowerment. Project or programs must satisfy one or more of the following criteria:

Educational Grant Criteria:
- Provide direct services to populations who are traditionally underserved because of gender, socioeconomic status, or geography.
- Provide educational improvements to elementary, secondary, post-secondary and/or vocational schools.

Sustainable Grant Criteria:
- Provide direct support for projects that address environmental resources and contribute to the social, environmental and economic wellbeing of communities.
- Educate community members about responsible care of the environment, particularly as it relates to the manufacturing industry. Examples include energy and water conservation, waste reduction, recycling, responsible forestry, sustainable packaging, product safety and resource conservation.

Women's Empowerment Grant Criteria:
- Provide direct services to address female gender equality, equity and improved quality of life for women.
- Authentic involvement of women and/or community members in the project's design and implementation.

For more information: http://www.averydennison.com/en/home/about-us/averydennisonfoundation.html

➢ **Bloomberg Data Science: Ph.D. Fellowships**

- **Deadline: April 5, 2020**
- **Grant Range: the cost of tuition, plus $35K for living expenses and $5K to attend conferences**

Bloomberg invites exceptional Ph.D. students working in broadly-construed data science, including natural language processing, machine learning, and artificial intelligence to apply for the Bloomberg Data Science Ph.D. Fellowship for the academic year of 2020-2021. The goal of this fellowship is to provide support and encouragement of groundbreaking publications in both academic journals and conference proceedings. Recipients will have Bloomberg mentors and will have to complete a 12-week summer internship at Bloomberg. Recipients will be given the opportunity to renew their fellowship annually, for up to three years total.

For more information: https://www.techatbloomberg.com/bloomberg-data-science-ph-d-fellowship/

➢ **Brady Education Foundation (BEF): Existing Program Evaluation Grants**

- **Deadline: April 1, 2020 for Stage 1 Application**
- **Grant Range: posted evaluation grant awards range from $100K-$413K**

The primary goal of BEF Existing Program Evaluations is to evaluate the effectiveness of programs designed to promote positive cognitive and/or achievement outcomes for children (birth through 18 years) from underserved groups and/or low-resources communities (minority ethnic groups, low-income families).

For more information: http://bradyeducationfoundation.org/application-guidelines/

➢ Brain & Behavior Research Foundation: NARSAD Distinguished Investigator Grant

- Deadline: Applications open in June-July, due date TBA
- Grant Range: up to $100K

This grant program supports basic and/or clinical investigators who are established scientists. Research must be relevant to schizophrenia, mood disorders or other serious mental illnesses including research with anxiety, bipolar disorders, personality disorders or early and or late onset of severe brain and behavior disorders. The program is designed to stimulate the development of key personnel and resources, to facilitate the rapid initiation of research in innovative areas, and to enable investigators to create unique scientific opportunities.

For more information: https://bbrfoundation.org/DI

➢ Brain Research Foundation: Annual Scientific Innovations Award

- **Deadline: June 23, 2020 (anticipated)**
- **Grant Range: $150K over two years**

Limited Submission

Brain Research Foundation has invited WPI to nominate one senior faculty member (Associate and Full Professor) to submit a Letter of Intent for the Scientific Innovations Award (SIA). Contact your Department Head and WPI Foundation & Corporate Philanthropy at least one month prior to the application deadline.

Brain Research Foundation's Scientific Innovations Award Program provides funding for innovative science in both basic and clinical neuroscience. This funding mechanism is designed to support creative, exploratory, cutting edge research in well-established research laboratories, under the direction of established investigators. This funding opportunity is for projects that may be too innovative and speculative for traditional funding sources but still have a high likelihood of producing important findings in a very short timeframe. It is expected that investigations supported by these grants will yield high impact findings and result in major grant applications and significant publications in high impact journals.

For more information: https://www.thebrf.org/for-researchers/scientific-innovations-award-2/

➢ Breast Cancer Alliance: Exceptional Project Grants

- Deadline: April 5, 2020 for LOI
- Grant Range: $100K for one year

Limited Submission

Each institution may submit only 2 LOIs; contact your Department Head and WPI Foundation & Corporate Philanthropy at least one month prior to the application deadline.

The Breast Cancer Alliance invites clinical doctors and research scientists at any stage of their careers whose primary focus is breast cancer to apply for an Exceptional Project Grant. The award recognizes creative, unique and innovative research.

For more information: https://breastcanceralliance.org/how-to-apply

➢ **The Brinson Foundation: Scientific Research**

- **Deadline: Rolling for LOI**
- **Grant Range: in 2018, 12 Scientific Research grants were awarded with an average of $62K**

The Foundation promotes the work of young researchers and is interested in programs on the cutting edge of research that are underfunded or not yet eligible for funding by governmental programs. Grants are made in the following focus areas: **Astrophysics**, **Cosmology**, **Evolutionary Developmental Biology**, and **Geophysics**.

For more information: http://www.brinsonfoundation.org/scientific-research/

➢ **Camille & Henry Dreyfus Foundation: Machine Learning in the Chemical Sciences and Engineering Grants**

- **Deadline: April 2, 2020**
- **Grant Range: varies**

The Dreyfus program for Machine Learning in the Chemical Sciences and Engineering provides funding for innovative projects in any area of Machine Learning (ML) consistent with the Foundation's broad objective to advance the chemical sciences and engineering. The Foundation anticipates that these projects will contribute new fundamental chemical insight and innovation in the field.

For more information: https://www.dreyfus.org/machine-learning-in-the-chemical-sciences-and-engineering/

➢ **Carnegie Corporation of New York: Education Program**

- **Deadline: Rolling for LOI**
- **Grant Range: in 2019, 25 education grants ranged from $10K to $1.25M+**

The Carnegie Foundation Education Program has five Focus Areas:

- **Leadership & Teaching to Advance Learning**: For improving systems of preparing, recruiting, and developing teachers and education leaders to serve the needs of diverse learners.
- **New Designs to Advance Learning**: For developing whole school models that provide more effective learning environments for diverse learners.
- **Public Education**: For supporting research on strategies that can drive parent and family engagement in education.
- **Pathways to Postsecondary Success**: For improving alignment in student learning expectations between K-12 and postsecondary education.
- **Integration, Learning & Innovation**: For advancing integrated approaches across the Corporation's portfolios and the field that enable greater collaboration, coherence, and dynamism.

For more information on how to submit an LOI: https://www.carnegie.org/grants/grantseekers/how-apply/

➤ Charles Pankow Foundation: Research Grants

- Deadline: Rolling
- Grant Range: Prior grants ranged from $105K-$400K

Grants are awarded that provide innovative advances in the design and construction of buildings and facilities in the U.S. The Foundation's goal is to address a significant industry need. The products of their research grants are intended to be of immediate and practical use. Typical users of their research outcomes include owner representatives, architects, structural engineers, specialty consultants, construction contractors, construction managers, design team managers, and others. Although great ideas and interesting individual research projects are always welcome, grants generally align with the CPF's current initiatives. The list of CPF initiatives may be updated at any time.

For more information: https://www.pankowfoundation.org/apply-for-grants/

➤ Children's Cancer Research Fund: Emerging Scientist Award

- Deadline: May 30, 2020 (anticipated)
- Grant Range: $100,000

The Children's Cancer Research Fund Emerging Scientist Award is designed to develop the independent research of highly qualified individuals still early in their careers. Applicants should hold a post-graduate doctoral degree in a field of medicine or scientific research specialty and be a faculty member at an accredited university. Applicants must be within the first 7 years of their initial independent full faculty appointment at the time the award begins.

For open RFP's, scroll to the bottom of: https://childrenscancer.org/esa/

➤ Cisco Systems

- Deadline: Rolling
- Grant Range: Varies

Cisco Research Center (CRC) connects researchers and developers from Cisco, academia, governments, customers, and industry partners with the goal of facilitating collaboration and exploration of new and promising technologies.

First and foremost, Cisco is interested in exploring issues, topics, and problems that are relevant to their core business of improving the Internet. Cisco is also deeply interested in adjacent technologies that leverage the power of the network to change the world around us.

For open RFP's, scroll to the bottom of: http://research.cisco.com/research-programs.html

➤ Comcast Innovation Fund

- Deadline: Rolling
- Grant Range: up to $150K

• **Research Grants** A general research grant provides an unrestricted award of funds to support excellent technical research in a wide variety of fields that are relevant to the broadband industry and/or to Comcast

specifically.

• **Open Source Development Grants** Open Source Development Grants are intended to fund new or continued development of open source software in areas of interest to Comcast or of benefit to the Internet and broadband industries.

For more information: http://innovationfund.comcast.com/

➤ Commonwealth Fund

- **Deadline: Rolling for LOI**
- **Grant Range: 2018 median award $260,265**

The mission of The Commonwealth Fund is to promote a high performing health care system that achieves better access, improved quality, and greater efficiency, particularly for society's most vulnerable, including people with low-incomes, the uninsured, minority Americans, young children, people with disabilities, and the elderly. The Fund's current programs are:

- Health Care Coverage and Access
- Health Care Delivery System Reform
- International Health Policy & Practice

- Innovations
- Breakthrough Health Care Opportunities

For more information: https://www.commonwealthfund.org/grants-fellowships/applying-grant

➤ Craig H. Neilsen Foundation: Spinal Cord Injury Research on the Translational Spectrum

- **Deadline: May 11, 2020 for LOI**
- **Grant Range: 2019 average grant was $149K**

The Spinal Cord Injury Research on the Translational Spectrum (SCIRTS) portfolio supports research to improve the understanding of traumatic spinal cord injury and develop new approaches to alleviate the dysfunction and complications that follow. The scope of this portfolio is broad, encompassing mechanistic, preclinical modeling, translational and/or clinical research.

There are three funding categories in the SCIRTS portfolio:
- **Postdoctoral Fellowships -** Two-year Postdoctoral Fellowships encourage early-career training and specialization in the field of spinal cord injury research.
- **Pilot Research Grants -** Two-year Pilot Research Grants help to establish new investigators in the field of spinal cord injury research and assume the risk inherent when established investigators undertake new directions in their work. These grants cultivate new lines of research, help move work across the translational spectrum and generate essential preliminary data.
- **Senior Research Grants -** Three-year Senior Research Grants encourage senior-level investigators to expand the scope of their work into new directions through targeted studies with high potential to move the field forward. These grants are intended to encourage investigators to open new areas of research, fill gaps in the spinal cord injury field and test cutting-edge ideas and approaches.

For more information: http://chnfoundation.org/how-to-apply/

➢ **Crohn's & Colitis Foundation: Research Fellowship Awards**

- **Deadline: May 5, 2020 for LOI**
- **Grant Range: up to $58,250 per year for 1-3 years**

Research Fellowship Awards are intended to support individuals in the post-doctoral phase of their career, to develop skills related to basic and/or clinical investigation in the field of inflammatory bowel disease (IBD), or Crohn's disease and ulcerative colitis. Proposals MUST be relevant to IBD (Crohn's Disease or ulcerative colitis) and must include a training and a mentoring plan.

For more information: https://www.crohnscolitisfoundation.org/research/grants-fellowships/research-fellowship-awards

➢ **Crohn's & Colitis Foundation: Senior Research Awards**

- **Deadline: May 5, 2020 for LOI**
- **Grant Range: up to $105,300 per year for 1-3 years**

The goal of the Senior Research Award (SRA) is to provide established researchers with funds to generate findings that have an impact on the field of IBD to advance the mission of the Foundation. This impact could be evaluated by various measures, including follow-on funding from other sources, such as the National Institutes of Health (NIH), publications with high impact, and related patents or citations within patents. Proposal must be relevant to Inflammatory Bowel Disease (IBD) or Crohn's disease and/or ulcerative colitis.

For more information: https://www.crohnscolitisfoundation.org/research/grants-fellowships/senior-research-awards

➢ **Elsa U. Pardee Foundation: Cancer Research**

- **Deadline: April 30, 2020 (also August 31 and December 31)**
- **Grant Range: $115K- $200K**

The Elsa U. Pardee Foundation funds research directed toward identifying new treatments or cures for cancer. The Foundation particularly encourages grant applications for a one-year period that will allow establishment of capabilities of **new cancer researchers**, or **new cancer approaches by established cancer researchers**. Project relevance to cancer detection, treatment, or cure should be clearly identified.

For more information: https://pardeefoundation.org/how-to-apply/

➢ **Emil Buehler Perpetual Trust**

- **Deadline: June 1, 2020**
- **Grant Range: past grants of up to $500,000**

The Emil Buehler Perpetual Trust provides funding to institutions, organizations, and foundations that carry forward the research and development of new and improved aircraft and promote the field of **aviation science and technology**.

For more information: https://www.wellsfargo.com/private-foundations/buehler-perpetual-trust/

➢ **Entertainment Software Association Foundation (ESAF)**

- **Deadline: June 22, 2020 for LOI (anticipated)**
- **Grant Range: up to $50K**

The ESA Foundation is dedicated to supporting positive programs and opportunities that make a difference in the lives of America's youth. The Foundation seeks to harness the collective power of the interactive entertainment industry to create positive social impact in our communities. We support geographically diverse projects and programs that benefit American boys and girls of all races and religions.

For more information: http://www.esafoundation.org/application.asp

➢ **Environmental Research & Education Foundation**

- **Deadline: May 1, 2020 for pre-proposal (also December 1)**
- **Grant Range: 2019 average grant was $160K**

Pre-proposal topics must relate to sustainable solid waste management practices and pertain to the following topic areas:

- Waste minimization
- Recycling
- Waste conversion to energy, biofuels, chemicals or other useful products. This includes, but is not limited to, the following technologies:
  - o Waste-to-energy
  - o Anaerobic digestion
  - o Composting
  - o Other thermal or biological conversion technologies
- Strategies to promote diversion to higher and better uses (e.g. organics diversion, market analysis, optimized material management, logistics, etc.)
- Landfilling

Desirable aspects of the above topics, in addition to or as part of hypothesis driven applied research, also include: economic or cost/benefit analyses, feasibility studies for untested technologies or management strategies, life cycle analysis or inventory, and analyses of policies that relate to the above.

For more information: https://erefdn.org/research-grants-projects/how-to-apply-for-grant/

➢ **Facebook: Networking Systems Grants**

- **Deadline: June 7, 2020 (anticipated)**
- **Grant Range: $50K**

Networking is fundamental to today's large scale distributed systems that power the family of Facebook applications that are used by billions of people. At Facebook, we focus on making networking technology more flexible and scalable by rethinking traditional approaches and designs, and collaborating with research and open source communities to develop an ecosystem of open hardware and software.

Over the years, we have developed and shared the details of numerous networking systems such as FBOSS, Robotron, Edge Fabric, Datacenter Fabric, Express Backbone, Open/R, Proxygen, Katran, and many more. To foster further innovation in networking and to deepen our collaboration with academia, Facebook is pleased to invite faculty and graduate students to respond to this call for research proposals pertaining to the aforementioned topics.

Networking systems research has a wide range of topics. We would like to take a more focused approach in soliciting interesting projects that can benefit the research community and Facebook, where topics may change from year to year. Specifically, this year, we are interested in proposals that fall into these two categories:

- Improving network efficiency with intelligent control, such as traffic engineering, routing, cache management, and congestion control
- Programmable switches and their applications, such as troubleshooting, hardware acceleration, and new routing protocols

For more information: https://research.fb.com/programs/research-awards/proposals/networking-systems-request-for-proposals/

➢ Ford Foundation

- **Deadline: Rolling**
- **Grant Range: $100K+**

Ford Foundation awards grants within seven program areas focused on **challenging inequality**:

- Civic Engagement and Government
- Creativity and Free Expression
- Equitable Development
- Gender, Racial, and Ethnic Justice
- Inclusive Economies
- Internet Freedom
- Youth Opportunity and Learning

The Ford Foundation is always open to new ideas and invites you to submit yours through a short online form. They will review each one and be in touch within 45 days if they are interested in learning more.

For more information: http://www.fordfoundation.org/work/our-grants/

➢ Foundation for Child Development: Young Scholars Program

- **Deadline: June 10, 2020 for LOI (anticipated)**
- **Grant Range: up to $225K**

The Young Scholars Program (YSP) supports scholarship for early career researchers. The program funds implementation research that is policy and practice-relevant and that examines the preparation, competency, compensation, well-being, and on-going professional learning of the early care and education (ECE) workforce.

The Foundation regards diversity as an asset for building a strong and productive society and is committed to diversity and equity in scholarship and through our grantees. To increase the diversity of research perspectives, the Foundation encourages applications from:

- Scholars who are from underrepresented groups that have historically experienced economic instability and social exclusion, including, but not limited to: researchers of color, first-generation college graduates and researchers from low-income communities
- Scholars who represent a variety of disciplines and methodological approaches

For more information: https://www.fcd-us.org/about-us/young-scholars-program/

➢ G. Harold & Leila Y. Mathers Charitable Foundation

- **Deadline: Rolling for LOI**
- **Grant Range: prior year grants ranged from $75K to $770K**

The G. Harold & Leila Y. Mathers Foundation is primarily interested in supporting fundamental **basic research in the life sciences**. Support is provided for specific projects from established researchers at top universities and independent research institutions within the United States.

For more information: http://www.mathersfoundation.org/index.php/policies/

➢ Georgia-Pacific Foundation Grants

- **Deadline: Rolling**
- **Grant Range: varies**

Established in 1958, the Georgia-Pacific Foundation sets aside resources to improve life in the communities where we operate. We've worked with thousands of outstanding community-based programs, service projects and disaster relief efforts, focusing our investment in four areas we believe make the most impact: education, environment, enrichment and entrepreneurship.

For more information: https://www.gp.com/community

➢ Gerber Foundation: Pediatric Research Grants

- **Deadline: May 15, 2020 for LOI**
- **Grant Range: up to $350K**

The Foundation's mission focuses on infants and young children. Accordingly, priority is given to projects that improve the nutrition, care and development of infants and young children from the first year before birth to three years of age. The Foundation is particularly interested in fresh approaches to solving common, everyday problems or emerging issues within our defined focus area. Projects should focus on issues faced by care providers that, when implemented, will improve the health, nutrition and/or developmental outcomes for infants and young children. The board is particularly looking for practical solutions that can be easily and rapidly implemented on a broad scale with a predictable time frame to clinical application.

Major target areas for research include:

- New diagnostic tools that may be more rapid, more specific, more sensitive, less invasive

- New treatment regimens that are improved or novel, less stressful or painful, more targeted, have less side effects, provide optimal dosing
- Symptom relief
- Preventative measures
- Assessment of deficiencies or excesses (vitamins, minerals, drugs, etc.)
- Risk assessment tools or measures for environmental hazards, trauma, etc.

For more information: https://www.gerberfoundation.org/how-to-apply/

➢ Gladys Brooks Foundation

- **Deadline: May 31, 2020**
- **Grant Range: $50K - $100K**

The Gladys Brooks Foundation will consider grant proposals with emphasis on innovative projects in the fields of libraries, education, hospitals and clinics.

Grant applications generally will be considered where outside funding is not available, the project will be largely funded by the grant (unless the grant request covers a discrete component of a larger project) and the funds will be used for **capital projects**, including equipment or endowments.

For more information: http://www.gladysbrooksfoundation.org/guidelines.html

➢ Gladys Krieble Delmas Foundation

- **Deadline: Rolling**
- **Grant Range: up to $100K**

The foundation supports the humanities, research libraries, and New York City performing arts organizations, and has a particular interest in encouraging **Venetian scholarship**. Research library funding is primarily directed toward European and American letters.

For more information: http://delmas.org/

➢ Health Foundation of Central Massachusetts: Activation Fund

- **Deadline: April 30, 2020 for LOI**
- **Grant Range: in 2019, grants ranged from $28K – $110K**
  `Limited Submission`

Contact your Department Head and WPI Foundation & Corporate Philanthropy at least one month prior to the application deadline.

The Activation Fund is designed to attract applicant-initiated proposals which fit The Health Foundation's mission and complement its Synergy Initiative grant projects, while generating action beyond the routine. Envisioned somewhat as a venture capital fund, this funding avenue is intended to support discrete projects in Central Massachusetts that activate:

- Creative and innovative approaches to alleviating community health concerns
- Community organizations' movement to the next level of capacity and effectiveness, which the

organization can sustain
- Partnerships to address health issues with new strategies
- And/or the exploration of emerging health challenges and opportunities

For more information: https://www.hfcm.org/The-Activation-Fund-Guidelines/135

➢ Henry P. Kendall Foundation: New England Food Vision Prize

- **Deadline: June 1, 2020 for LOI (anticipated)**
- **Grant Range: up to $250K**

Launched by the Henry P. Kendall Foundation in 2018, the New England Food Vision Prize Program awards prizes to help New England college and university food service directors launch their bold and innovative ideas to strengthen the region's food system. The Prize Program is designed to raise awareness of the region's food supply, encourage collaboration between food system stakeholders, and increase procurement and consumption of products grown, raised, or harvested in New England.

For more information: https://www.kendall.org/our-work/food-vision-prize/

➢ James S. McDonnell Foundation: Teachers as Learners Grants

- **Deadline: May 8, 2020 for LOI (anticipated)**
- **Grant Range: up to $2.5M**

There are ever growing lists of recommended evidence-based practices that teachers are encouraged to adopt, such as those identified in What Works Clearinghouse Practice Guides from the U.S. Department of Education and the Core Practice Consortium. But there is limited research on how teachers view, interpret, or change as they seek to incorporate new practices into their existing professional practice.   Even less is understood about the factors that influence teachers to decide not to incorporate new knowledge into their practice. Understanding teachers as learners is a necessary, but largely overlooked, component of efforts to change education. The JSMF Teachers as Learners (TAL) program focuses on teacher thinking and change in attitudes, knowledge, skills and behaviors.

For more information: https://www.jsmf.org/apply/teachers-as-learners/index.htm

➢ Julian Schwinger Foundation for Physics Research

- **Deadline: Rolling**
- **Grant Range: up to $50K**

The Julian Schwinger Foundation supports research and educational activities for which funding from other sources is typically not available. Julian Schwinger had a particular interest in multi-scale physics such as, for example, energy concentrating phenomena. While JSF accords proposals on such topics with high priority, all proposals based on well -grounded physics research, even if daring, are considered seriously.

In addition, limited funds are available for improving educational opportunities at the undergraduate level and above. In particular, the foundation will consider applications for sponsorship for scientific workshops, conferences summer schools and the like, as well as grants for undergraduate research projects.

For more information: https://schwingerfoundation.org/application.php

➢ Knight Foundation: Quality Journalism, Media Innovation, Community Engagement & the Arts

- •Deadline: Rolling for LOI
- •Grant Range: up to $1M+

The Knight Foundation supports transformational ideas that promote quality journalism, advance media innovation, engage communities and foster the arts. The foundation believes that democracy thrives when people and communities are informed and engaged.

For more information: https://www.knightfoundation.org/apply

➢ Lockheed Martin

- • **Deadline: Rolling**
- • **Grant Range: Varies**

Lockheed Martin is committed to a program of philanthropy that supports the Corporation's strategic business goals, primarily in the focus areas of science, technology, engineering and mathematics (STEM) education and military and veteran causes.

Lockheed Martin's philanthropic activities are administered by the communications representatives at the Corporation's operating units around the country and at corporate headquarters. In general, philanthropic contributions to national initiatives and organizations are made from corporate headquarters and contributions to local programs are made by Lockheed Martin sites close to the program.

For more information: https://www.lockheedmartin.com/en-us/who-we-are/communities/applying-for-contributions.html

➢ Mabel Louise Riley Foundation

- • **Deadline: Rolling**
- • **Grant Range: $50K - $100K**

Current priorities include literacy and afterschool programs for disadvantaged children and adolescents; programs focused on the character building of children and adolescents; community development that will benefit low-income and minority neighborhoods; citywide efforts that promote cultural improvements and the arts; and grants that, despite some risk, offer a potential of high impact or significant benefits for a community.

While the Foundation is centered in Greater Boston, the Trustees will consider grants submitted on behalf of Massachusetts organized charities that focus on the categories of funding noted above.

For more information: http://www.rileyfoundation.com/

➢ Max and Victoria Dreyfus Foundation Grants

- • **Deadline: May 10, 2020**
- • **Grant Range: $1K - $20K**

The Max and Victoria Dreyfus Foundation awards grants to organizations for whom a small amount of money can make a big difference. The Foundation welcomes requests for support from community-based non-profit

organizations located in the United States.

The Foundation does not establish funding priorities on an annual basis, but rather supports worthwhile activities for which an organization has made a compelling case to receive funding.

For more information: https://www.mvdreyfusfoundation.org/application-guidelines

➤ Mark Foundation: Emerging Leader Award

- **Deadline: May 10, 2020 for LOI (anticipated)**
- **Grant Range: $750K for 3 years**

The Mark Foundation for Cancer Research funds groundbreaking research integrating discoveries in biology with innovative technology to deliver breakthroughs to patients.

The Mark Foundation Emerging Leader Awards provide grant support to early career investigators conducting high-impact, high-risk cancer research. This award is intended to support projects for which other sources of funding are not readily available or for a separate innovative endeavor that will enhance the Principal Investigator's current research portfolio.

Applicant must be 3-8 years from the start of an independent faculty research appointment as of December 31, 2020 (i.e., the official start date of the appointment must fall within the calendar years 2012-2017). Exceptions due to prolonged medical or family leave will be considered on a case-by-case basis.

For more information: https://themarkfoundation.org/ela-application-stage/

➤ Michael & Susan Dell Foundation Grants

- **Deadline: Rolling**
- **Grant Range: up to $1M**

The Foundation looks to fund proposals that are focused on their anchors of impact:

- Help low-income students attend quality schools
- Supporting classrooms with high-quality tools, technology, and resources to deliver effective instruction
- Help low-income student earn university degrees
- Provide new career/job opportunities of low-income young adults
- Improve the financial stability of low-income families by creating access to responsible financial services
- Improve the health and wellness of children and their families

For more information: https://www.msdf.org/apply/

➤ Michael J. Fox Foundation: Therapeutic Pipeline Program

- **Deadline: April 19, 2020 for pre-proposal (anticipated)**
- **Grant Range: up to $2M**

The Therapeutic Pipeline Program advances Parkinson's disease therapeutic and intervention development

along the pre-clinical and clinical path. Therapies aiming to address one of the following treatment challenges will fit this call:

- Protection or restoration of degenerating and/or dysfunctional neurons affected in Parkinson's
- Alleviation of disabling motor or non-motor symptoms of Parkinson's not well managed by current treatments
- Reduction of complications and side effects of current Parkinson's treatments.

For more information: https://www.michaeljfox.org/grant/therapeutic-pipeline-program-0

➢ Microsoft: AI for Earth Azure Grant

- **Deadline: Rolling**

AI for Earth awards Microsoft Azure cloud computing resources, including AI tools, to people and organizations that are working to transform the way we understand and manage our natural resources. Grantees receive access to and training on Microsoft's innovative data science, machine learning, and visualization tools to improve their work in addressing climate change, protecting biodiversity, improving agricultural yields, and lessening water scarcity.

For more information: https://www.microsoft.com/en-us/ai-for-earth/grants

➢ The Morton Cure Paralysis Fund

- **Deadlines: April 30, 2020**
- **Grant Range: $5K - $75K**

The Morton Cure Paralysis Fund (MCPF) is committed to developing effective therapies (cures) for paralysis associated with spinal cord injury and other disorders of the central nervous system (CNS).

MCPF funds activities that hold promise of identifying therapies (cures) for paralysis in humans. MCPF has particular focus of placing projects in the research pipeline, that is, enabling scientists to develop the proof concept data necessary to apply for larger NIH grants. The development of effective therapies for chronic injury is a high priority for the organization. Basic research will be supported if it has clear potential to accelerate progress at the applied end of the continuum and/or if it reflects innovative research or a 'change of direction.'

For more information: http://www.mcpf.org/Pages/Resources.aspx

➢ Mozilla: Creative Media Awards

- **Deadlines: June 2020 (anticipated)**
- **Grant Range: up to $30K**

Creative Media Awards are provided to art and advocacy projects highlight how AI intersects with online media and truth — and impacts our everyday lives. Mozilla's Creative Media Awards fuel the people and projects on the front lines of the internet health movement.

For more information: https://foundation.mozilla.org/en/awards/

➢ Mozilla: Fellowships

- **Deadlines: April 8, 2020 for LOI (anticipated)**
- **Grant Range: $60K**

Mozilla Fellows are working to stop the spread of misinformation, put individuals in control of their data, keep artificial intelligence accountable, and provide innovative solutions for internet connectivity in low penetration environments. They are leaders who ensure smart cities and next-generation voice technology are diverse and equitable, and who conduct open research.

For the Mozilla Fellowship application, we are particularly interested in applicants whose missions align with our impact goal: "better machine decision making," or ensuring artificial intelligence is developed with ethics, responsibility, and accountability in mind through an internet health framework. Applicants should be working on initiatives related to online privacy or security; openness; decentralization, digital inclusion; and/or web literacy.

During their tenure, Fellows are expected to use their skill sets -- in technology, in advocacy, in research, or in law -- to design products, run campaigns, influence policy and ultimately lay the groundwork for a more open and inclusive internet. Fellows work on individual projects, but also collaborate on cross-disciplinary solutions to the internet's biggest challenges.

For more information: https://foundation.mozilla.org/en/fellowships/

➢ National Operating Committee for Standards in Athletic Equipment: Research Grants

- **Deadlines: May 1, 2020 for LOI (anticipated)**
- **Grant Range: up to $250K**

The mission of the National Operating Committee on Standards for Athletic Equipment (NOCSAE) is to commission research in sports medicine and science and, where feasible, establish standards for athletic equipment. Accordingly, the intent of the NOCSAE grant program is to commission investigator-initiated research and to provide support for education, health, and safety research and development. The NOCSAE research plan proposed by the applicant must be related to NOCSAE's stated program interests. NOCSAE will fund awards under two separate mechanisms:

- Small pilot developmental studies that do not exceed $50,000 in direct costs for one year
- Traditional research projects that do not exceed $250,000 in direct costs over two years

NOCSAE invites all investigator-initiated proposals that address NOCSAE'S core mission. Specific research topics of interest include, but are not limited to:

- Studies that inform existing helmet safety standards
- Investigators developing youth helmet standards
- The mechanical and biological mechanisms of injury and recovery
- The application of developed tools and equipment for injury prevention

For more information: https://nocsae.org/research-grant-program/apply-for-funding/

➢ New Harvest: Graduate Fellowships

- **Deadline: April 15, 2020**
- **Grant Range: up to $40K per year**

The New Harvest Fellowship Program provides funding for doctoral (Ph.D.) students pursuing basic scientific research in cellular agriculture. The program consists of a three-year training grant program that financially supports the fellow and connects them to the New Harvest research community.

For more information: https://www.new-harvest.org/opportunities_4

➢ New Harvest: Postdoctoral Fellowships

- **Deadline: April 15, 2020**
- **Grant Range: up to $55K per year**

The New Harvest Postdoctoral Fellowship Program funds postdoctoral fellows pursuing basic scientific research in cellular agriculture. To apply, interested PhDs (or Ph.D. candidates) should seek P.I.s interested in working with them and design a research proposal in partnership with their mentors. New Harvest welcomes proposals that are 1-3 years in length. Grants that contain university or government matching are given preference.

For more information: https://www.new-harvest.org/opportunities_4

➢ North American Neuroendocrine Tumor Society – Basic/Translational Science Investigator Award

- **Deadline: June 12, 2020 (anticipated)**
- **Grant Range: $100K over 2 years**

The purpose of the NANETS BTSI Award is to encourage scientists at the end of their fellowship who have secured a faculty appointment or scientists beginning their faculty appointment to pursue research focused on neuroendocrine tumors.

For more information: https://nanets.net/basic-translational-science-investigator-btsi

➢ Paralyzed Veterans of America Research Foundation

- **Deadline: July 1, 2020**
- **Grant Range: $50K to $150K for 2 years**

From transplanting cells and regenerating damaged nerve fibers to designing adaptive canoe seats, the Paralyzed Veterans of America Research Foundation supports innovative research and fellowships that improve the lives of those with **spinal cord injury** and **disease** (SCI/D). The Research Foundation funds the following categories:

- **Basic Science** - laboratory research in the basic sciences to find a cure for SCI/D
- **Clinical** - clinical and functional studies of the medical, psychosocial and economic effects of SCI/D, and interventions to alleviate these effects

- **Design and Development** - of assistive technology for people with SCI/D, which includes improving the identification, selection and utilization of these devices
- **Fellowships** - for postdoctoral scientists, clinicians and engineers to encourage training and specialization in the field of spinal cord research

For more information: https://www.pva.org/research-foundation

➢ RELX Group Environmental Challenge

- •**Deadline: May 31, 2020 (anticipated)**
- •**Grant Range: $50,000 prize for 1st place entry; $25,000 prize for 2nd place entry**

Each year the RELX Group Environmental Challenge is awarded to projects that best demonstrate how they can provide sustainable access to safe water or sanitation. Projects must have clear practical applicability, address identified need and advance related issues such as health, education, or human rights.

The RELX Group Environmental Challenge is open to individuals or organizations operating in the not-for-profit and for-profit sectors. Projects must advance sustainable access to safe water where it is presently at risk and/or access to improved sanitation, and include the following criteria:

- Be replicable, scalable and sustainable. and set a benchmark for innovation
- Have practical applicability
- Address non-discrimination/equity of access
- Involve and impact a range of stakeholders
- Have local/community-level engagement

For more information: http://www.relx.com/corporate-responsibility/engaging-others/relx-group-environmental-challenge

➢ Research Corporation for Science Advancement: Cottrell Scholars

- •**Deadline: July 1, 2020**
- •**Grant Range: $100K over 3 years**

The Cottrell Scholar Award develops outstanding **teacher-scholars** who are recognized by their scientific communities for the quality and innovation of their research programs *and* their academic leadership skills.

Eligible applicants are tenure-track faculty members whose primary appointment is in a department of **astronomy**, **chemistry** or **physics** that offers, the minimum, a bachelor's degree. For the 2020 proposal cycle, eligibility is limited to faculty members who started their first tenure-track appointment anytime in calendar year 2017.

For more information: http://rescorp.org/cottrell-scholars/cottrell-scholar-award

➢ Robert Wood Johnson Foundation: Evidence for Action

- •**Deadline: Rolling for LOI**
- •**Grant Range: no explicit range; duration of up to 36 months**

Investigator-Initiated Research to Build a Culture of Health, Evidence for Action (E4A), a national

program of the Robert Wood Johnson Foundation, funds research that expands the evidence base needed to build a Culture of Health. Our mission is to support rigorously designed quantitative, qualitative, and mixed methods research that yields convincing findings regarding the population health, well-being, and equity impacts of specific policies, programs, and partnerships. We are especially interested in research examining the health impacts of programmatic or policy interventions that address factors outside the domain of health care services or public health practice.

For more information: https://www.rwjf.org/en/library/funding-opportunities/2019/evidence-for-action-investigator-initiated-research-to-build-a-culture-of-health.html

➢ Robert Wood Johnson Foundation: Pioneering Ideas Brief Proposal

- **Deadline: Rolling; next application window opens March 2020**
- **Grant Range: $150K - $350K**

The goal of the *Pioneering Ideas Brief Proposal* funding opportunity is to explore; to look into the future and put health first as we design for changes in how we live, learn, work and play; to wade into uncharted territory in order to better understand what new trends, opportunities and breakthrough ideas can enable everyone in America to live the healthiest life possible.

While improving the status quo is vital to the health and well-being of millions of Americans now, the *Pioneering Ideas Brief Proposal* opportunity reaches beyond incremental changes to explore the ideas and trends that will influence the trajectory and future of health.

For more information: https://www.rwjf.org/en/how-we-work/submit-a-proposal.html

➢ Russell Sage Foundation: Behavioral Economics

- **Deadline: May 21, 2020 for LOI (also August 20, 2020)**
- **Grant Range: up to $175K over 2 years**

The Russell Sage Foundation's program on Behavioral Economics supports novel research that uses insights and methods from psychology, economics, sociology, political science and other social sciences to examine and improve social and living conditions in the United States. We seek investigator-initiated research proposals that will broaden our understanding of the social, economic and political consequences of actual behaviors and decisions.

RSF is especially interested in research at the intersection of behavioral economics and behavioral sciences and its other programs—Future of Work; Race, Ethnicity and Immigration; Social, Political and Economic Inequality. Priority will be given to field experiments, as opposed to lab experiments. Projects that can contribute to a more unified theory of human behavior to eventually eliminate the distinction between behavioral economics and the rest of economics are also of interest.

For more information: http://www.russellsage.org/research/funding/behavioral-economics

➢ Russell Sage Foundation: Race, Ethnicity, and Immigration

- •Deadline: May 21, 2020 for LOI
- •Grant Range: up to $175K over 2 years

The Russell Sage Foundation program on Race, Ethnicity & Immigration seeks investigator-initiated research proposals on the social, economic, and political effects of the changing racial and ethnic composition of the U.S. population, including the transformation of communities and ideas about what it means to be American. We are especially interested in innovative research that examines the roles of race, ethnicity, nativity, and legal status in outcomes for immigrants, U.S.-born racial and ethnic minorities, and native-born whites.

A primary goal of the program is to encourage researchers from different social science traditions studying issues of race, ethnicity, and immigration to work together in productive and innovative ways. We encourage multi-disciplinary perspectives and methods that both strengthen the data, theory, and methods of social science research and foster an understanding of how we might better achieve the American ideals of a pluralist society. Proposals may raise a variety of research questions about any one or more of the three topics encompassed by this program—race, and/or ethnicity, and/or immigration.

For more information: https://www.russellsage.org/research/funding/race-ethnicity-immigration

➢ Russell Sage Foundation: Social, Political and Economic Inequality

- •Deadline: May 21, 2020 for LOI (also August 20, 2020)
- •Grant Range: up to $175K over 2 years

The Russell Sage Foundation's program on Social, Political, and Economic Inequality supports innovative research on the myriad factors that contribute to inequality in the U.S., and the extent to which social, political and economic inequalities affect social, psychological, political, and economic outcomes, including equality of access and opportunity, social mobility, civic mobilization and representation, and the intergenerational transmission of advantage and disadvantage. We seek investigator-initiated research that will contribute to our understanding of social, political, and economic inequalities and the mechanisms by which they influence the lives of individuals and families in the U.S. RSF encourages methodological variety and inter-disciplinary collaboration.

For more information: https://www.russellsage.org/research/funding/social-inequality

➢ Samuel H. Kress Foundation: Digital Art History Grant Program

- • Deadline: April 1, 2020 (also October 1, 2020)
- • Grant Range: past giving between $11K - $70K

The Digital Art History program is intended to foster new forms of research and collaboration as well as new approaches to teaching and learning. Support will also be offered for the digitization of important visual resources (especially art history photographic archives) in the area of pre-modern European art history; of primary textual sources (especially the literary and documentary sources of European art history); for promising initiatives in online publishing; and for innovative experiments in the field of digital art history. Please note that this grant program does not typically support the digitization of museum object collections.

For more information: http://www.kressfoundation.org/grants/digital_art_history/

➢ Samuel H. Kress Foundation: History of Art Grants Program

- •Deadline: April 1, 2020 (also October 1, 2020)
- • Grant Range: past giving between $6K - $66K

The History of Art program supports scholarly projects that will enhance the appreciation and understanding of European art and architecture. Grants are awarded to projects that create and disseminate specialized knowledge, including archival projects, development and dissemination of scholarly databases, documentation projects, museum exhibitions and publications, photographic campaigns, scholarly catalogues and publications, and technical and scientific studies. Grants are also awarded for activities that permit art historians to share their expertise through international exchanges, professional meetings, conferences, symposia, consultations, the presentation of research, and other professional events.

For more information: http://www.kressfoundation.org/grants/history_of_art/

➢ Simons Foundation: SFARI Pilot Award

- • Deadline: April 24, 2020
- • Grant Range: $300K over 2 years

The mission of the Simons Foundation Autism Research Initiative (SFARI) is to improve the understanding, diagnosis and treatment of autism spectrum disorders (ASD) by funding innovative research of the highest quality and relevance.

The goal of the Pilot Award is to provide early support for exploratory ideas, particularly those with novel hypotheses. Appropriate projects for this mechanism include those considered higher risk but with the potential for transformative results.

In particular, we encourage applications that propose research to link genetic or other ASD risk factors to molecular, cellular, circuit or behavioral mechanisms of ASD. Please read more about SFARI's scientific perspectives here. We also strongly advise applicants to familiarize themselves with the current projects and other resources that SFARI supports and to think about how their proposals might complement existing efforts.

For more information: https://www.sfari.org/grant/pilot-awards-request-for-applications/

➢ Simons Foundation - Targeted Grants for Mathematics and Physical Sciences (MPS)

- •Deadline: Rolling for LOI
- •Grant Range: There is no recommended funding limit; provides funding for up to 5 years

The Targeted Grants in MPS program is intended to support high-risk projects of exceptional promise and scientific importance on a case-by-case basis.

For more information: https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/targeted-grants-in-mps/

➢ **Society for Science & the Public: STEM Action Grants**

- •**Deadline: May 1, 2020 (anticipated)**
- •**Grant Range: up to $5K per year**

The STEM Action Grant program aims to bolster and support community-driven nonprofit organizations that are working to enhance the public's understanding of science and to increase participation of underrepresented populations in STEM fields.

For more information: https://www.societyforscience.org/outreach-and-equity/stem-action-grants/

➢ **Society of Fire Protection Engineers: Student Research Grants**

- •**Deadline: Rolling**
- •**Grant Range: up to $25K**

To support baccalaureate, masters and doctoral student research projects in fire safety science or fire protection engineering. A condition of funding is that research must result in a publishable paper and that paper or an alternate presentation must be made available for posting on the SFPE website.

For more information: https://www.sfpe.org/mpage/FoundationStudentResearchGrants

➢ **Spencer Foundation: Conference Grants**

- •**Deadline: May 7, 2020**
- •**Grant Range: up to $50K**

The Conference Grant Program provides support to scholars for small research conferences and focused symposia. This program is intended to bring together researchers whose substantive knowledge, theoretical insight, and methodological expertise can be assembled in ways that build upon and advance best practices in education research.

For more information: https://www.spencer.org/grant_types/conference-grants

➢ **Spencer Foundation: Large Research Grants on Education**

- • **Deadline: June 20, 2020 (anticipated)**
- • **Grant Range: $125K - $500K**

The Spencer Foundation invites proposals for its large research grants on education. These support education research projects that will contribute to the improvement of education, broadly conceived. This program supports proposals with multiple disciplinary and methodological perspectives that develops new foundational knowledge that may also have a lasting impact on policy-making, practice or educational discourse.

For more information: https://www.spencer.org/grant_types/large-research-grant

➤ Spencer Foundation: Lyle Spencer Research Awards

- **Deadline: May 22, 2020 (anticipated)**
- **Grant Range: up to $1M**

In this program, the Spencer Foundation envisions a broad conception of educational practice that encompasses formal and informal learning as well as the institutional, policy, and normative frameworks that influence and are influenced by learning and developmental processes. Moreover, we recognize learning occurs across settings--from the classroom to the workplace and even onto the playing field--any of which may, in the right circumstance, provide the basis for rewarding study.

For more information: http://www.spencer.org/lyle-spencer-research-awards-program-statement

➤ Spencer Foundation: Small Research Grants

- Deadline: July 1, 2020 (also November 3, 2020)
- Grant Range: up to $50K

The Small Research Grants Program supports education research projects that will contribute to the improvement of education, broadly conceived. This program is "field-initiated" in that proposal submissions are not in response to a specific request for a particular research topic, discipline, design, method, or location. Our goal for this program is to support rigorous, intellectually ambitious and technically sound research that is relevant to the most pressing questions and compelling opportunities in education.

For more information: http://www.spencer.org/small-research-grants

➤ Susan G. Komen – Career Catalyst Research (CCR) Grants

- Deadline: July 10, 2020 for LOI
- Grant Range: up to $450K

Early Career breast cancer researchers anywhere in the world are invited to apply for our Career Catalyst Research Grants. These Komen Training and Career Development awards seek to bridge the funding gap faced by faculty as they start their careers in breast cancer research. Grants funded by Komen provide the preparation necessary to compete for independent funding as an established and successful breast cancer researcher.

CCR Grants provide unique opportunities for scientists who have held faculty positions for no more than eight years by the Application due date CCR grants provide support for hypothesis-driven research projects that will lead to a reduction in breast cancer deaths by 2026.

For more information: https://ww5.komen.org/ResearchGrants/FundingOpportunities.html

➤ Thome Memorial Foundation Awards Program: Age-Related Macular Degeneration Research

- Deadline: May 25, 2020 (anticipated)
- Grant Range: $500K over two years

Successful research proposals will extend recent basic research findings regarding the underlying mechanisms of AMD. Examples of funding areas include, but are not limited to, genetically engineered animal models, the

discovery and testing of small molecule therapies directed at promising targets including immune-, inflammation-, or lipid-related pathways associated with AMD, local drug delivery systems, and neuroprotective strategies. Basic research and clinical trials are outside the scope of this Program. However, clinical studies that involve the evaluation of new imaging modalities with no potential risks to human subjects are eligible.

For more information: https://hria.org/tmf/thomeamd/

➢ Toyota USA Foundation Grants

- •Deadline: Rolling
- •Grant Range: minimum of $50K

The Toyota U.S.A. Foundation supports K-12 education programs with a focus on math, science and environmental science. The Foundation partners with leading organizations and institutes serving diverse populations across all 50 states.

For more information: https://www.toyota.com/usa/community/articles/community_grants_foundation.html

➢ United Engineering Foundation Grants

- •Deadline: May 1, 2020 for LOI
- •Grant Range: average grant is $100K

The foundation advances the engineering arts and sciences for the welfare of humanity. It supports engineering and education by, among other means, making grants. Grants should be consistent with advancing engineering. The UEF Board of Trustees evaluates and judges proposals in view of the UEF mission, the perceived ability of the proposal and proposer(s) to further that mission, and the available funding. While all proposals meeting established deadlines and page requirements will be considered, certain UEF preferences should be understood by proposers:

- Broad-based, interdisciplinary proposals that further the engineering profession as a whole are preferred.
- Multiple-year proposals are welcome, but funding is awarded for a single year only. Proposals for subsequent years follow procedures identical to that of single-year proposals. No commitment for funding of subsequent years of a multiple-year project should be inferred from funding of a prior year.
- Projects that are outside "business as usual" of the proposing organization are preferred.
- Technical research proposals and proposals by individuals are seldom accepted.

For more information: https://www.uefoundation.org/uef-grants-program/

➢ VentureWell BMEidea (Lemelson Foundation)

- •Deadline: April 1, 2020
- •Grant Range: up to $10K
- **Limited Submission**

There is a limit of one entry per department and up to three entries per institution. Contact your Department Head and WPI Foundation & Corporate Philanthropy at least one month prior to the

application deadline.

BMEidea challenges graduate and undergraduate students to pioneer a health-related technology that addresses a real clinical need. Competition entries are judged on:

- Technical, economic and regulatory feasibility
- Contribution to human health and quality of life
- Technological innovation
- Potential for commercialization

All prizes are awarded as unrestricted gifts to the winners' universities. Funds are disbursed to each of the winning teams' departments to be allocated at the discretion of the Faculty Advisor.

For more information: https://venturewell.org/bmeidea/

➤ VentureWell E-Team Program (Lemelson Foundation)

- **Deadline: May 6, 2020**
- **Grant Range: up to $25K**

VentureWell defines an E-Team as a multidisciplinary group of students, working with a faculty mentor, to bring a technology-based invention (product or service) to market. The "E" stands for entrepreneurship. The E-Team Program is an integrated program of grant funding, training, coaching, and investment. The mission: to give student teams the best possible chance to move technologies out of the lab or classroom and into the marketplace. E-Teams selected to participate will have the opportunity to secure up to $25,000 in grant funding, attend required workshops (Stage 1 and Stage 2), and receive coaching from VentureWell. Grant funds are awarded to the applying team's institution.

For more information: https://venturewell.org/e-team-grant-program/

➤ Whitehall Foundation: Research Grant-in-Aid

- **Deadline: April 15, 2020 for LOI (also October 1, 2020)**
- **Grant Range: $30K**

The Grants-in-Aid program is designed for researchers at the assistant professor level who have trouble competing for research funds because they have not yet become firmly established. Grants-in-Aid can also be made to senior scientists. All applications will be judged on the scientific merit and innovative aspects of the proposal, as well as on past performance and evidence of the applicant's continued productivity.

The Foundation is currently interested in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior.

The Foundation does not support research focused primarily on disease(s) unless it will also provide insights into normal functioning.

For more information: http://www.whitehall.org/grants/

➢ Whitehall Foundation: Research Grants

- **Deadline: April 15, 2020 for LOI (also October 1, 2020)**
- **Grant Range: $90K to $225K over 3 years**

The Foundation is currently interested in basic research in neurobiology, defined as follows: invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior.

The Foundation does not support research focused primarily on disease(s) unless it will also provide insights into normal functioning.

The Foundation does not award funds to investigators who have substantial existing or potential support, even if it is for an unrelated purpose. Applications may be held in abeyance until the results of other funding decisions are determined. While it is difficult to assign a specific dollar amount to this policy and each case is unique, the Foundation currently defines "substantial" as *approximately* $200,000 per year (including both direct and indirect expense but excluding the Principal Investigator's salary).

For more information: http://www.whitehall.org/grants/

➢ W.T. Grant Foundation: Research Grants

- **Deadlines: May 6, 2020 for LOI**
- **Grant Range: $100K to $1M over 2-3 years**

Since its founding in 1936, the William T. Grant Foundation has worked to further the understanding of human behavior through research. Today, the foundation supports high-quality research that is relevant to policies and practices that affect the lives of young people ages 5 to 25 in the United States. The foundation funds research that increases understanding in one of our two focus areas:

- programs, policies, and practices that reduce inequality in youth outcomes, and
- strategies to improve the use of research evidence in ways that benefit youth.

The foundation seeks research that builds stronger theory and empirical evidence in these two areas. The foundation intends for the research we support to inform change. While the foundation does not expect that any one study will create that change, the research should contribute to a body of useful knowledge to improve the lives of young people.

For more information: http://wtgrantfoundation.org/grants/research-grants

➢ W.T. Grant Foundation: Scholar Awards

- **Deadlines: July 1, 2020**
- **Grant Range: $350K over 5 years.**
  `Limited Submission`

Applicants must be nominated by their institutions. Major divisions (e.g., College of Arts and Sciences, Medical School) of an institution may nominate only one applicant each year. Contact your Department Head and WPI Foundation & Corporate Philanthropy at least one month prior to the application deadline.

The William T. Grant Scholars Program supports career development for promising early-career researchers who are within seven years of receiving their terminal degree. The program funds five-year research and mentoring plans that significantly expand junior researchers' expertise in new disciplines, methods, and content areas. The foundation recognize that early-career researchers are rarely given incentives or support to take such risks, so this award includes a mentoring component, as well as an emphasis on community and collaboration.

Scholars Program applicants should have a track record of conducting high-quality research and an interest in pursuing a significant shift in their trajectories as researchers. Proposed research plans must address questions of policy and practice that are relevant to the foundation's focus areas:

- programs, policies, and practices that <u>reduce inequality</u> in youth outcomes, and
- strategies to <u>improve the use of research evidence</u> in ways that benefit youth.

For more information: http://wtgrantfoundation.org/grants/william-t-grant-scholars-program

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Three Addition Resources for Grant-Seekers:
❖ *ProposalCENTRAL Opportunities* **(https://proposalcentral.altum.com/opportunities.asp)**
❖ **Foundation Directory Online***
❖ **PIVOT***

*Available through the WPI library's online databases