

UNIVERSITY OF
Nebraska
Omaha



Start Your Research Right:

**A Guide to Early Career Funding
Opportunities and UNO Resources to
Help You Secure Funding**

Message from Scott Snyder and Sara Myers
Vice Chancellor and Assistant Vice Chancellor
of Research and Creative Activity

Dear Colleague,

The team in the Office of Research and Creative Activity (ORCA) is very excited to have you on campus and looks forward to learning about and assisting you with your scholarly endeavors. Research and Creative Activity form an essential component of UNO's mission as we move towards recognition as one of the nation's top metropolitan universities. You are integral to accomplishing that goal.

To be a national leader among metropolitan universities, UNO needs contributions from all disciplines. You have been recruited as a top faculty in your field. Finding external funding for your work can play an important role in your ability to make a significant impact. ORCA is here to help. We offer programs and resources to assist you in your scholarly endeavors and reach your external funding goals. This booklet is a stepping stone provided by ORCA to help you get started with a list of potential grant opportunities and other resources.

Last year UNO secured nearly \$16 million in external funding from a total of 198 awarded proposals. We saw our highest number of submitted grants ever, with 384 going out the door. The number of awards and submissions have increased an average of 10% in each of the past five years. We hope that you will help us maintain this momentum. All of us in ORCA are committed to helping you reach your individual and UNO's research and creative activity potential.

As you will learn at the upcoming ORCA event, there are UNO and University of Nebraska system funding opportunities aimed to provide initial support to help make your scholarship competitive for external funding. ORCA facilitates the development of future research programs, creative collaborations, efforts in community engagement, and securing grants and partnerships that will advance knowledge, help realize economic and human potential, and serve the interests of society.

Our team assists faculty, staff, and students in identifying and applying for funding, developing budgets, and reviewing proposals for compliance with sponsor guidelines and University policies. ORCA also negotiates and accepts awards on behalf of the University and provides post award, non-financial assistance in the management of awards. We provide guidance, resources, and oversight of research activities to ensure UNO and its project directors are in compliance with applicable regulations and policies. In addition, we work with partners such as the UNO Center for Faculty Excellence, the Writing Center, the Library, the joint UNO/UNMC Institutional Review Board, the Institutional Animal Care and Use Committee, and UNeMed to provide comprehensive support for your research pursuits.

The ORCA team is ready and willing to assist you in meeting your research goals. Please contact us if you want to apply for external funding, learn more about how to search for funding opportunities, or have ideas about ways that you can be better supported. Feel free to visit us in the Eppley Administration Building, room 203, call us at 554-2286, or connect with us online at research.unomaha.edu.

Sincerely,



Scott D. Snyder, Ph.D.



Sara A. Myers, Ph.D.

About this Guide

This guide was developed to help early career faculty find funding sources especially intended for early career researchers. It was adapted from a similar guide developed by UNL's Office of Research and Economic Development to describe the kinds of award programs available and provide a reference to start your research.

In addition to providing information regarding resources for funding opportunity searches, a list of internal funding opportunities, and a list of funding sources pertinent to early career researchers, this guide describes proposal development services and resources available at UNO to help you achieve success in your research and scholarly and creative endeavors.

We encourage you to regularly visit the Office of Research and Creative Activity's website for additional resources, announcements, and important information.

<http://research.unomaha.edu>

Table of Contents

About this Guide	3
Table of Contents	4
Resources to Search for External Funding Opportunities	5-6
Internal Funding Opportunities	7
Select Faculty Early Career Awards.....	8-23
Arts and Humanities	8
Social Sciences	8-11
Life Sciences	12-18
Physical Sciences and Technology.....	18-20
Research Development Resources	21
Resources from Other NU Institutions	21
Grant Writing Seminars and Workshops.....	21

Resources to Search for External Funding Opportunities

Free automated resources that keep you informed about federal and private funding opportunities:

- Grants.gov Opportunities
<http://www.grants.gov/web/grants/search-grants.html>
- National Institutes of Health (NIH) Guide Listserv
<http://grants.nih.gov/grants/guide/listserv.htm>
- National Science Foundation (NSF) Update
<https://public.govdelivery.com/accounts/USNSF/subscriber/new?qsp=823>
- Philanthropy News Digest's Request for Proposal (RFP) Alert
<http://www.philanthropynewsdigest.org/pnd-alerts-and-newsletters>
- Federal Register
<http://www.gpo.gov/fdsys/browse/collection.action?collectionCode=FR>

Searchable databases that may be useful:

- Foundation Directory Online (FDO) is fully accessible only from our office on campus
<https://fconline.foundationcenter.org/>
- Grant Forward is a funding opportunity search tool available to all UNO faculty
<http://www.grantforward.com>
- Philanthropy News Digest
<http://foundationcenter.org/pnd/rfp/>
- NIH Guide for Grants and Contracts
http://grants.nih.gov/grants/guide/search_results.htm?scope=rfa&scope=pa&year=active&text_curr=&Search.x=22&Search.y=2
- NSF Contracting Opportunities
<http://www.nsf.gov/about/contracting/>
- NSF Grant Opportunities
http://nsf.gov/funding/pgm_list.jsp?org=NSF&ord=date
- Catalog of Federal Domestic Assistance
<https://www.cfda.gov/>

- FedConnect
<https://www.fedconnect.net/FedConnect/Default.htm>
- FedBizOpps
<https://www.fbo.gov/index?s=main&mode=list&tab=list>
- H-Net Academic Announcements
<http://www.h-net.org/announce/group.cgi?type=Funding>
- Rural Assistance Center
<https://www.ruralhealthinfo.org/funding>

Manual reviews of sponsor websites also lead to funding opportunity announcements. These websites include:

- Nebraska's Established Program to Stimulate Competitive Research (EPSCoR)
<https://epscor.nebraska.edu/programs>
- Nebraska Research Initiative (NRI)
<https://nebraska.edu/administration/academic-affairs-provost/nebraska-research-initiative.html>
- U.S. Department of Education
<http://www2.ed.gov/fund/grant/apply/grantapps/index.html>
- U.S. Department of Agriculture (USDA)
<https://nifa.usda.gov/rfa-list>
- U.S. Department of Energy (DOE)
<http://energy.gov/public-services/funding-opportunities>

Nebraska-specific resources include:

- Nebraska Department of Environmental Quality
<http://www.deq.state.ne.us/>
- Nebraska Environmental Trust
<http://www.environmentaltrust.org/grants/index.html>
- Nebraska Arts Council
<http://www.nebraskaartscouncil.org/Grants/>
- Humanities Nebraska
<http://humanitiesnebraska.org/grants/opportunities/>

Internal Funding Opportunities for UNO Faculty

University Committee on Research and Creative Activity (UCRCA)

The purpose of the University Committee on Research and Creative Activity (UCRCA) is to expand the capacity for research and creative activity at UNO by supporting the generation and dissemination of new knowledge. The Committee places special emphasis on recommending for funding faculty projects that lead to external funding or some other significant benefit for the researcher or artist and/or the university, which help the applicant get to the “next level” in their research or creative activity. The Committee also encourages and accepts collaborative proposals that clearly show how they expand the capacity for research and creative activity at UNO.

Award for Distinguished Research or Creative Activity (ADROCA)

The Award for Distinguished Research or Creative Activity (ADROCA) recognizes and honors preeminent achievement in research or creative activity by faculty members of the University of Nebraska at Omaha (UNO). Any tenured member of the Graduate Faculty whose primary home department/school is at UNO is eligible for the Award for Distinguished Research or Creative Activity. It is understood that "creative activity" includes not only those areas involving purely "original activities," but the performing arts as well.

For details regarding the UCRCA application and ADROCA nomination guidelines, as well as information about internal funding opportunities for students, please visit our website <http://research.unomaha.edu>

Faculty Early Career Awards – Arts and Humanities

Agency/Award	Deadline	Synopsis
The American Academy of Arts and Sciences <u>Visiting Scholars Program</u>	October	The purpose of this interdisciplinary program is to stimulate and support scholarly work by promising scholars and practitioners in the early stages of their careers and to foster exchange between an emerging generation of scholars and Academy members with shared interests. Proposals in the humanities and social sciences relating to culture, American history, and public policy are requested.
American Council of Learned Societies <u>Fellowships</u>	September	Fellowships support research in all disciplines of the humanities and humanities-related social sciences. The project goal should be a major piece of scholarly (not creative) work by the applicant. Awards provide up to \$35,000 for assistant professor-level investigators for six to twelve months of research.
National Endowment for the Humanities <u>Summer Stipends</u>	September	Summer stipends support individuals pursuing advanced research that is of value to scholars and/or general audiences of the humanities.
Stanford Humanities Center <u>External Faculty Fellowships</u>	October	Junior fellowships are available for scholars who received their Ph.D. between three and ten years ago for research in the humanities. Stipends are up to \$70,000.
The Vilcek Foundation <u>The Vilcek Prizes for Creative Promise</u>	Annual (summer)	These \$50,000 prizes recognize talented, foreign-born artists no more than 38 years old, living in the United States who have demonstrated significant creativity and originality in the early stages of their careers in biomedical research and architecture.

Faculty Early Career Awards - Social Sciences

Agency/Award	Deadline	Synopsis
Alzheimer's Association <u>Research Grant Programs</u>	Varies	The Alzheimer's Association funds a wide variety of investigations by scientists at every stage of their careers. Each grant is designed to meet the needs of the field and to introduce fresh ideas in Alzheimer's research.
The American Academy of Arts and Sciences <u>Visiting Scholars Program</u>	October	This program provides residential fellowships to postdoctoral scholars in the humanities and social sciences. The fellowship program offers a collaborative work environment and the opportunity to interact with Academy members. It also creates a national network for these scholars, assisting them in their research and professional development.
American Federation for Aging Research <u>New Investigator Awards in Alzheimer's Disease</u>	Letters of Intent, March	This program supports research in areas in which more scientific investigation is needed to improve the prevention, diagnosis, and treatment of Alzheimer's disease. Up to three grants of \$100,000 each will be awarded.

Agency/Award	Deadline	Synopsis
American Political Science Association <u>Congressional Fellowship Program</u>	December	Program includes several fellowship categories within each year's class. The APSA directly recruits and sponsors fellowships for political scientists and journalists and for the APSA-MCI Communications Congressional Fellowship for scholars and journalists. In addition to fellows from these professions, each fellowship class includes federal government employees sponsored by their home agencies and professionals in other fields sponsored by a range of organizations. The program runs from November to August and Fellows receive a stipend of \$52,500 and a small travel allowance.
American Speech-Language-Hearing Foundation <u>Research Grant for New Investigators</u>	Varies	The investigator must have completed a PhD or equivalent research doctorate within the past five years to be eligible to compete for up to ten \$10,000 grants, for research in audiology or speech-language pathology.
Brain and Behavior Research Foundation <u>NARSAD Young Investigator Award Program</u>	Varies, typically annual	Award provides support for the most promising young scientists conducting neurobiological research. Two-year awards up to \$70,000, or \$35,000 per year are provided to enable promising investigators to either extend research fellowship training or begin careers as independent research faculty. Basic and/or clinical investigators are supported, but research must be relevant to serious brain and behavior disorders such as schizophrenia, mood disorders, anxiety disorders or child and adolescent mental illnesses.
Foundation for Child Development <u>Young Scholars Program</u>	Letters of Intent, May; Full Proposal, October	Fellowships provide up to \$225,000 for up to three years for policy and practice-relevant research focused on the early learning and development needs of the nation's children who are growing up under conditions of economic insecurity and social exclusion. Applicants must hold a Ph.D. or its equivalent in one of the behavioral and social sciences or in an allied professional field.

<p>Robert Wood Johnson Foundation Leadership Development Programs</p>	<p>Various dates (depending on program) in the Spring</p>	<p>These programs are helping build the leaders of tomorrow—leaders who share a commitment to ensuring everyone has the opportunity to live the healthiest life possible.</p> <p>RWJF’s leadership development programs are designed to help you advance your leadership skills, and connect you with other innovators to advance big ideas and solutions.</p> <ul style="list-style-type: none"> • Culture of Health Leaders: for people from all sectors—from leaders in technology and business to architects and urban planners. • Clinical Scholars: for clinicians from all disciplines, from occupational therapists and pharmacists to dentists and nurses. • Health Policy Research Scholars: for second-year doctoral students from all fields of study—from economics and political science to epidemiology and behavioral science. • Interdisciplinary Research Leaders: for researchers and community partners (e.g., organizers, advocates, leaders), particularly those working in rural health.
<p>March of Dimes Basil O’Connor Starter Scholar Research Awards</p>	<p>Letter of Nomination: March</p> <p>Full Application: July</p>	<p>Initial independent grant to young investigators is restricted. PhD applicants should be at least four years but no more than eight years past their degree. Successful applicants have traditionally completed four to six years of postdoctoral training or other faculty-mentored work, but not more than eight years, and have been hired as a faculty member at their current institution. This award is designed to support young scientists just embarking on their independent research careers and is limited to those holding recent faculty appointments. These grants are \$150,000 for two years.</p>
<p>March of Dimes General Research Grants</p>	<p>Letters of Intent: April</p> <p>Full Applications: September</p>	<p>Qualified scientists with faculty appointments or the equivalent, at universities, hospitals and research institutions (not for profit or profit), to submit applications for research grants relevant to our mission. This encompasses basic biological processes governing differentiation and development involving both human and animal model systems, genetics and genomics of these processes, clinical studies, reproductive health and environmental toxicology. Social and behavioral studies are encouraged concerning cognitive and behavioral risks that affect outcomes of pregnancy, the perinatal period, and subsequent child development. The latter may involve family units and those genes, toxicants and social determinants that adversely affect language or behavior. The grant awards are from \$180,000 to \$225,000 and to be used over a two-three year period.</p>
<p>McKnight Foundation Scholar Awards</p>	<p>Varies, typically annual</p>	<p>Encourages emerging neuroscientists to focus on disorders of learning and memory. Applicants must demonstrate interest in solving important problems in</p>

		relevant areas of neuroscience, including the translation of basic research to clinical neuroscience. Awards are given to exceptional young scientists who hold the M.D. and/or Ph.D. degree and who are in the early stages of establishing an independent laboratory and research career. Traditionally, successful candidates have held faculty positions for at least one year. Up to six awards are given at \$75,000 per year for three years.
National Institutes of Health <u>Career Development Awards (K Awards)</u>	Varies	Individuals with a research doctorate should consider at least eight different awards, most of which support individuals who have accepted or are ready for a faculty position. The Mentored Research Scientist Career Development Award (K01) supports postdoctoral or early career research scientists committed to research, in need of both advanced research training and additional experience. The Career Transition Award (K22) provides support during the early years of a new faculty position.
The Spencer Foundation <u>Research Grants</u>	Varies	The Foundation provides funding to support intellectually ambitious, large-scale education research projects with budgets between \$100,000 and \$1,000,000. This program encourages proposals initiated by scholars across a variety of disciplines and fields in an effort to create much-needed space for creative and ambitious research projects that promise to advance our understanding of educational practice and its improvement. At this time, there's three categories: studies of <i>instructional practice</i> , of the <i>educational infrastructure</i> that supports or hinders effective practice, and of the <i>research infrastructure</i> that supports inquiry into educational practice. These categories are definitely not meant to be either exhaustive or mutually exclusive
William T. Grant Foundation <u>Scholars Program</u>	Annual summer deadlines are typical	The program funds five-year research and mentoring plans that significantly expand junior researchers' expertise in new disciplines, methods, and content areas. 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 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. Four to six Scholars are selected and each receives up to \$350,000, distributed over five years.

Faculty Early Career Awards - Life Sciences

Agency/Award	Deadline	Synopsis
Air Force Office of Scientific Research <u>Young Investigator Research Program</u>	<p style="text-align: center;">Varies</p>	<p>These awards foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities to recognize the Air Force mission and related challenges in science and engineering. Each award will be funded at the \$120,000 level for three years.</p>
Alfred P. Sloan Foundation <u>Sloan Research Fellowships</u>	<p style="text-align: center;">Nominations due in September</p>	<p>Candidates must hold a Ph.D. (or equivalent) in chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean sciences, physics, or a related field and normally be no more than six years from completion of their most recent Ph.D. (or equivalent) as of the year of their nomination. Candidates must be nominated by a department head or other senior researcher.</p>
Alzheimer's Association <u>Alzheimer's Association Research Grant</u>	<p style="text-align: center;">Letters of Intent: September Full Proposals: November</p>	<p>The purpose of this program is to provide newly independent investigators with funding that will allow them to develop preliminary or pilot data, to test procedures and to develop hypotheses. The intent is to support early-career development that will lay the groundwork for future research grant applications to the National Institutes of Health, National Science Foundation and other funding agencies and groups, including future proposals to the Alzheimer's Association. Funded at \$150,000 up to three years.</p>
American Association for Cancer Research <u>Funding Opportunities</u>	<p style="text-align: center;">Varies</p>	<p>These awards are open to junior faculty and are used to advance various areas of cancer research. Individual programs are designated for different types of cancer research, grant amounts and terms vary depending on the program.</p>
American Cancer Society <u>Research Scholar Grants</u>	<p style="text-align: center;">April, October</p>	<p>This grant supports investigator-initiated projects across the cancer research continuum. Awards are for up to four years and for up to \$165,000 per year (direct costs), plus 20% allowable indirect costs. Independent investigators in the first six years of an independent research career or faculty appointment are eligible to apply.</p>
American Diabetes Association <u>Core Program - Junior Faculty Development</u>	<p style="text-align: center;">April</p>	<p>These awards support early investigators as they establish independence as diabetes researchers. Any level tenure-track faculty up to & including Assistant Professor or equivalent. Eligible applicants must be full-time independent faculty with less than 10 years of research experience since their terminal degree who do not have previous or current NIH support (R00, R01, U01 or equivalent). Applicants may not hold concurrent awards of similar intent (NIH K awards, foundation or non-profit career development awards), however they can have completed previous NIH K or other career development funding. Applicants must dedicate at least 75% total effort to</p>

		research activities. Awards are up to \$138,000 per year for up to four years including indirect costs. PI's salary support cannot exceed \$75,000 per year. Additionally, applicants can request up to \$10,000 per year towards the repayment of the principal on loans for a doctoral degree (MD, PhD, PharmD, DPM or DO).
American Federation for Aging Research New Investigator Awards in Alzheimer's Disease	Letters of Intent: March Full Applications: May	The major goal of this partnership program is to support important research in areas in which more scientific investigation is needed to improve the prevention, diagnosis, and treatment of Alzheimer's disease. The program also serves to encourage junior investigators in the United States and Israel to pursue research and academic careers in the neurosciences, and Alzheimer's disease and healthy brain aging in particular. Projects in basic, translational and clinical research related to Alzheimer's disease (AD) and healthy brain aging will be considered. For one of the awards, priority may be given to an investigator with a research project that has great translational potential. Up to three one-to-two year awards of \$100,000 each will be awarded.
American Heart Association Scientist Development Grant	February	This program supports highly promising beginning scientists in cardiovascular and stroke research in their progress toward independence by encouraging and adequately funding research projects that can bridge the gap between completion of research training and readiness for successful competition as an independent investigator. Proposals are encouraged from all basic, behavioral, epidemiological, and community and clinical investigations that bear on cardiovascular and stroke problems. Award is \$77,000 a year for three years. (Total \$231,000.)
Beckman Foundation Young Investigators Program	Letters of Intent vary June - September	This program supports young faculty members in the early stages of their academic careers in the chemical and life sciences, particularly to foster the invention of methods, instruments and materials that will open up new avenues of research in science. Typically, these are four-year projects capped at a total of \$600,000.
Brain and Behavior Research Foundation NARSAD Young Investigator Award Program	Annual	This award enables promising investigators to either extend research fellowship training or begin careers as independent research faculty. Basic and/or clinical investigators are supported, but research must be relevant to serious brain and behavior disorders such as schizophrenia, mood disorders, anxiety disorders or child and adolescent mental illnesses. Two-year awards up to \$70,000, or \$35,000 per year.
Camille and Henry Dreyfus Foundation, Inc. Camille Dreyfus Teacher-Scholar Award	Institutional Nominations: February	The Camille Dreyfus Teacher-Scholar Awards Program supports the research and teaching careers of talented young faculty in the chemical sciences. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. Criteria for selection include an

		independent body of scholarship attained in the early years of their appointment, and a demonstrated commitment to education, signaling the promise of continuing outstanding contributions to both research and teaching. The Camille Dreyfus Teacher-Scholar Awards Program provides an unrestricted research grant of \$75,000. See website for criteria.
Camille and Henry Dreyfus Foundation, Inc. Henry Dreyfus Teacher-Scholar Award	Institutional Nominations: May	The Henry Dreyfus Teacher-Scholar Awards Program supports the research and teaching careers of talented young faculty in the chemical sciences at undergraduate institutions. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. The award is based on accomplishment in scholarly research with undergraduates, as well as a compelling commitment to teaching, and provides an unrestricted research grant of \$60,000. See website for criteria.
The David and Lucile Packard Foundation Fellowships for Science and Engineering	Institutional Nominations	The program invites up to two nominations from selected institutions and supports the innovative research efforts of young faculty members in the natural and physical sciences or engineering. Awards provide \$875,000 over five years. See website for selected institutions.
Department of Energy Early Career Research Program	Pre-proposals: September Full Proposals: November	This supports the development of individual research programs of outstanding scientists early in their careers and stimulates research careers in the disciplines supported by the DOE Office of Science. Opportunities exist in the following program areas: Advanced Scientific Computing Research (ASCR); Biological and Environmental Research (BER); Basic Energy Sciences (BES), Fusion Energy Sciences (FES); High Energy Physics (HEP), and Nuclear Physics (NP).
Robert Wood Johnson Foundation Leadership Development Programs	Various dates (depending on program) in the Spring	These programs are helping build the leaders of tomorrow—leaders who share a commitment to ensuring everyone has the opportunity to live the healthiest life possible. RWJF’s leadership development programs are designed to help you advance your leadership skills, and connect you with other innovators to advance big ideas and solutions. <ul style="list-style-type: none"> • Culture of Health Leaders: for people from all sectors—from leaders in technology and business to architects and urban planners. • Clinical Scholars: for clinicians from all disciplines, from occupational therapists and pharmacists to dentists and nurses. • Health Policy Research Scholars: for second-year doctoral students from all fields of study—from economics and political science to epidemiology and behavioral science.

		Interdisciplinary Research Leaders: for researchers and community partners (e.g., organizers, advocates, leaders), particularly those working in rural health.
Esther A. and Joseph Klingenstein Fund, Inc. <u>Klingenstein-Simons Fellowship Awards in the Neurosciences</u>	February	The Award supports, in the early stages of their careers, young investigators engaged in basic or clinical research that may lead to a better understanding of neurological and psychiatric disorders. Several areas within the neurosciences are of particular interest: Cellular and molecular neuroscience—Studies of the mechanisms of neuronal excitability and development, and of the genetic basis of behavior. Neural systems—Studies of the integrative function of the nervous system. Translational research—Studies designed to improve the prevention, diagnosis, treatment and our understanding of the causes of neurological and psychiatric disorders. Award of \$225,000 over three years.
Health Effects Institute <u>Walter A. Rosenblith New Investigator Award</u>	Varies, typically annual	This award supports creative junior investigators, at Assistant Professor or equivalent level, with outstanding promise who are interested in the health effects of air pollution. The project must be relevant to HEI's research interests, as outlined in the <u>HEI Strategic Plan 2015-2020</u> . All applicants should contact HEI to verify their <u>eligibility</u> before applying. Each award is up to \$150,000 per year with a maximum of \$450,000 for three years.
Human Frontier Science Program <u>Young Investigators' Research Grants</u>	Letters of Intent: March	These grants support collaborative research in the life sciences, bringing biologists together with scientists from other disciplines such as chemistry, physics, mathematics, computational sciences, nanoscience and engineering. Grants are awarded to teams of researchers from different countries, all of whom are within the first five years of obtaining an independent laboratory. Teams receive up to \$450,000 per year.
Kinship Foundation <u>Searle Scholars Program</u>	Institutional Nominations: September	This program invites nomination of applicants from selected universities and research institutions and supports individuals in the first or second year of their first tenure-track position at the assistant professor level in biochemistry, cell biology, genetics, immunology, neuroscience, and pharmacology and related areas in chemistry, medicine, and the biological sciences. It provides \$100,000 per year for three years. See website for selected universities.
Leukemia Research Foundation <u>Hollis Brownstein Research Grants Program</u>	Letters of Intent: February Full Proposals: March	By providing one-year grants of \$100,000 to selected New Investigator researchers, this program allows innovative scientists to act on their ideas and try new procedures and experiments that will hopefully lead to significant breakthroughs.

<p>L'Oreal USA for Women in Science and American Association for the Advancement of Science (AAAS)</p> <p><u>Women in Science</u></p>	<p>February</p>	<p>This fellowship program awards five women postdoctoral scientists annually with grants of \$60,000 each for their contributions in Science, Technology, Engineering and Math (STEM) fields and commitment to serving as role models for younger generations. The program is the U.S. component of the <u>L'Oréal-UNESCO For Women in Science International Fellowships program</u>.</p> <p>L'Oréal USA partners with the American Association for the Advancement of Science (AAAS) to manage the program's application and peer-review process. Each year, the program attracts talented applicants from diverse STEM fields, representing some of the nation's leading academic institutions and laboratories.</p>
<p>March of Dimes</p> <p><u>Basil O'Connor Starter Scholar Research Awards</u></p>	<p>Letters of Intent: March</p> <p>Full applications: July</p>	<p>This award is designed to support young scientists just embarking on their independent research careers and is limited to those holding recent faculty appointments. These grants are \$150,000 for two years.</p>
<p>March of Dimes</p> <p><u>General Research Grants</u></p>	<p>Letters of Intent: April</p> <p>Full proposals: September</p>	<p>All qualified scientists (see website) are invited to submit applications for research grants directed at the prevention of birth defects, premature birth and infant mortality. These investigations include — but are not limited to — basic biological processes of development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and studies in social and behavioral sciences that focus on factors contributing to adverse pregnancy outcomes, and on consequences of birth defects and prematurity. Amount of funding varies.</p>
<p>McKnight Foundation</p> <p><u>Scholar Awards</u></p>	<p>January</p>	<p>Awards encourage neuroscientists in the early stages of their careers to focus on disorders of learning and memory. The Foundation especially seeks applicants working on problems that, if solved, would have an immediate and significant impact on clinically relevant issues. Awards are \$75,000 per year for three years.</p>
<p>National Institutes of Health</p> <p><u>Career Development Awards (K Awards) for Individuals with a Research Doctorate</u></p>	<p>Varies, depending on particular award</p>	<p>Individuals with a research doctorate should consider at least eight different awards, most of which support individuals who have accepted or are ready for a faculty position. This award is used differently by the participating NIH institutes and centers, and interested applicants should carefully review the relevant program announcements. See website for details.</p>
<p>National Institutes of Health</p> <p><u>Director's New Innovator Award Program (DP2)</u></p>	<p>September</p>	<p>This award is designed specifically to support unusually creative new investigators with highly innovative research ideas at an early stage of their career when they may lack the preliminary data required for an R01 grant. The emphasis is on innovation and creativity; preliminary data are not</p>

		required, but may be included. Awards are \$300,000 per year, up to five years.
National Institutes of Health <u>Office of Extramural Research – New Investigator’s Program</u>	Varies	Entry of new investigators into the ranks of independent, NIH-funded researchers is essential to the health of this country's biomedical research enterprise. The NIH Pathways to Independence Program employs multiple strategies to facilitate receiving an R01 award earlier in an investigator's research career.
National MS Society <u>Harry Weaver Neuroscience Scholar Awards</u>	Online Pre-application: August Full Application: August	As part of its overarching goals of stopping MS progression, restoring function, and ending MS forever, the National MS Society offers a limited number of Harry Weaver awards to highly qualified candidates who have concluded their research training and begun academic careers as independent investigators in an area related to multiple sclerosis. The awards are designed to provide salary and grant support for a five year period, thus permitting the awardee to establish competence in his/her chosen research area. Pre-application must be made jointly by a candidate and the institution in which an appointment is held. Award amounts vary.
National Science Foundation <u>Faculty Early Career Development (CAREER) Program</u>	July	This program supports the early career development activities of teacher-scholars who most effectively integrate research and education within the context of the mission of their organization. The minimum CAREER award, including indirect costs, totals \$400,000 for a five-year duration.
Office of Naval Research <u>Young Investigator Program</u>	September	The Young Investigator Program makes awards of up to \$170,000 per year for three years to support academic scientists and engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointments at institutions of higher education to support their research and encourage their teaching and research careers. See the ONR website for eligibility requirements and supported research areas.
The Pharmaceutical Research and Manufacturers of America Foundation <u>Research Starter Grants</u>	Varies	The purpose of these grants is to offer financial support to individuals beginning their independent research careers at the faculty level. The program provides a research grant of \$50,000 to \$100,000 for one year to advance science in pharmacology/toxicology, informatics, pharmaceuticals, health outcomes and translational medicine and therapeutics.
Susan G. Komen for the Cure <u>Challenge Grants - Career Catalyst Research</u>	Letter of Intent: June Full application: September	These grants provide opportunities for early career scientists to achieve research independence with an independent award of \$150,000 per year, up to three years. Investigators lead a research project addressing an important question in breast cancer research and complete a self-defined career development plan with support from a mentor committee.
U.S. Department of Agriculture	Varies by program area	Eligible investigators or co-investigators include those who are beginning their research careers, do not have an extensive research publication record, and

<u>Agriculture and Food Research Initiative</u>		have fewer than five years postgraduate, career-track research experience. Funding is in the areas of natural resources and the environment; nutrition, food safety, and health; animals; pest biology and management; plants; markets, trade, and rural development; enhancing the value and use of agricultural and forest products; and agricultural systems research.
The Vilcek Foundation <u>The Vilcek Prizes for Creative Promise</u>	Annual (summer)	This \$50,000 prize recognizes talented, foreign-born scientists living in the United States who have demonstrated significant creativity and originality in the early stages of their careers in Biomedical research and Architecture.
Whitehall Foundation <u>Grants-in-Aid</u>	Letters-of-intent: January 15, April 15, October 1 Full Proposals: June 1, September 1, February 15	This grant funds researchers at the assistant professor level in the life sciences for basic research in neurobiology. Awarded for a one year period, not in excess of \$30,000.

Faculty Early Career Awards – Physical Sciences and Technology

Agency/Award	Deadline	Synopsis
Air Force Office of Scientific Research <u>Funding Opportunities</u>	Varies	The Young Investigator Research Program awards foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities to recognize the Air Force’s mission and challenges in science and engineering. Proposals addressing the research areas of interest for the Air Force Research Laboratory will be considered. Each award will be funded at \$120,000 for three years.
Alfred P. Sloan Foundation <u>Sloan Research Fellowships</u>	September for nominations	Candidates must hold a Ph.D. (or equivalent) in chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean sciences, physics, or a related field and normally be no more than six years from completion of their most recent Ph.D. (or equivalent) as of the year of their nomination. Candidates must be nominated by a department head or other senior researcher. Fellowships are \$65,000 for a two year period.
American Mathematical Association <u>Centennial Fellowships</u>	December	One-year fellowships are awarded for excellence in mathematical research. Stipends are approximately \$93,000, with an additional expense allowance of \$9,300. Recipients shall have held the doctoral degree for at least three years and not more than twelve years at the inception of the award.

American Society for Mass Spectrometry Research Awards	November	Academic scientists within four years of joining tenure-track faculty are eligible for awards of \$35,000 for research in mass spectrometry.
Camille and Henry Dreyfus Foundation, Inc. Camille Dreyfus Teacher-Scholar Award	Institutional Nominations: February	This award supports the research and teaching careers of talented young faculty in the chemical sciences. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. The award provides an unrestricted research grant of \$75,000. See the award website for criteria for selection.
Camille and Henry Dreyfus Foundation, Inc. Henry Dreyfus Teacher-Scholar Award	Institutional Nominations: May	This award supports the research and teaching careers of talented young faculty in the chemical sciences at undergraduate institutions. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers and is based on accomplishment in scholarly research with undergraduates, as well as a compelling commitment to teaching. The award provides an unrestricted research grant of \$60,000.
Congressionally Directed Medical Research Programs Funding Opportunities	Varies by program	Funding programs include, but are not limited to: alcohol and substance abuse, autism, bone marrow failure, breast cancer, Duchenne Muscular Dystrophy, epilepsy, Gulf War Illness, hearing restoration, lung cancer, military burn, multiple sclerosis, orthotics and prosthetics outcomes, pre reviewed Alzheimer's, per reviewed cancer, peer reviewed medical, peer reviewed Orthopaedic, prostate cancer, Psychocological health/traumatic brain injury, reconstructive transplant research, spinal cord injury, tick-borne disease and vision Some of these areas have included New Investigator Awards, check website for details.
The David and Lucile Packard Foundation Fellowships for Science and Engineering	Institutional Nominations: March	This program invites up to two nominations from selected institutions and supports the innovative research efforts of young faculty members in the natural and physical sciences or engineering. Awards provide \$875,000 over five years. See website for selected institutions.
Defense Advanced Research Projects Agency Microsystems Technology Office Young Faculty Award	Varies	The program focuses on untenured faculty, emphasizing those without prior DARPA funding. The long-term goal of the YFA program is to develop the next generation of academic scientists, engineers and mathematicians in key disciplines who will focus a significant portion of their careers on DoD and national security issues. Each grant will encompass funding for a 24-month base period consisting of two 12-month phases (a maximum of \$250,000 per 12-month phase) and a 12-month option period (a maximum of \$500,000).
Department of Energy Early Career Research Program	Pre-proposals: September Full proposals: November	This program supports the development of individual research programs of outstanding scientists early in their careers and stimulates research careers in the disciplines supported by the DOE Office of Science. Opportunities exist in Advanced Scientific Computing Research, Biological and Environmental Research, Basic Energy Sciences, Fusion Energy Sciences, High Energy Physics, and Nuclear Physics.

<p>Human Frontier Science Program</p> <p><u>Young Investigators' Research Grants</u></p>	<p>Letters of Intent: March</p> <p>Full Proposals: September</p>	<p>This program supports collaborative research in the life sciences involving biologists together with scientists from other disciplines such as chemistry, physics, computer science, and engineering. Grants are awarded to teams of researchers from different countries, all of whom are within the first five years of obtaining an independent laboratory. Teams receive up to \$450,000 per year.</p>
<p>L'Oreal USA for Women in Science and American Association for the Advancement of Science (AAAS)<u>Women in Science</u></p>	<p>February</p>	<p>This fellowship program awards five women postdoctoral scientists annually with grants of \$60,000 each for their contributions in Science, Technology, Engineering and Math (STEM) fields and commitment to serving as role models for younger generations. The program is the U.S. component of the <u>L'Oréal-UNESCO For Women in Science International Fellowships program</u>.</p>
<p>National Aeronautics and Space Administration</p> <p><u>New (Early Career) Investigator Program in Earth Science (ROSES program element)</u></p>	<p>Varies; applications are solicited every two years</p>	<p>This program is designed to encourage the integration of Earth system research and education/outreach by scientists and engineers at the early stage of their professional careers. The program encourages scientists and engineers at academic and/or research institutions to develop a broader sense of responsibility for effectively contributing to the improvement of science education and public science literacy.</p>
<p>National Science Foundation</p> <p><u>CAREER Program</u></p>	<p>July</p>	<p>This program supports the early career development activities of teacher-scholars who most effectively integrate research and education within the context of the mission of their organization. The minimum CAREER award totals \$400,000 for a five-year duration.</p>
<p>Office of Naval Research</p> <p><u>Young Investigator Program</u></p>	<p>September</p>	<p>The Young Investigator Program makes awards of up to \$170,000 per year for three years to attract outstanding new faculty members at institutions of higher education to support their research and encourage their teaching and research careers. See the ONR website for supported research areas.</p>
<p>Research Corporation for Science Advancement</p> <p><u>Cottrell Scholar Awards</u></p>	<p>Pre-proposals May Full proposals July</p>	<p>This 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. Awards are \$100,000 for a three year project.</p>
<p>U.S. Department of Agriculture</p> <p><u>Agriculture and Food Research Initiative</u></p>	<p>Varies by program</p>	<p>Eligible investigators or co-investigators include those who are beginning their research careers, do not have an extensive research publication record, and have fewer than five years postgraduate career-track research experience. These grants support research in these areas: Plant health and production and plant products; Animal health and production and animal products; Food safety, nutrition, and health; Bioenergy, natural resources, and environment; Agriculture systems and technology; and Agriculture economics and rural communities.</p>

Research Development Resources

Resources from Other NU Institutions

-UNO faculty members are welcome to view past issues of UNL's **Funding Announcements**, a weekly email list of funding opportunities (only available as an email list to UNL faculty at this time). <http://research.unl.edu/proposaldevelopment/funding.php>

-UNMC's **Research Website** (<https://www.unmc.edu/vcr/>) contains information for researchers including seminars, funding announcements, and shared resources.

-UNO faculty may use **Research Nebraska** (<https://nebraska.pure.elsevier.com/>) as a tool to find other faculty at UNO, UNK, UNL, UNMC, and Boys Town, based on shared interests. Faculty not currently displayed in the application may contact Linda Wilkie (lwilkie@unmc.edu) to ask for enrollment.

Past Grant Writing Workshops offered by ORCA

"Write More Competitive Proposals"(last held June 2017): This grant writing seminar is directed primarily at faculty. Topics included shared tips from funded UNO project directors (National Science Foundation and National Institutes of Health) and internal resources to help faculty succeed when applying to extramural agencies. Staff, postdoctoral fellows, and graduate students were also welcome to attend without charge if faculty did not fill the available spaces. Future versions of this workshop may be of special interest to new faculty whose appointment may include grant-writing and proposal development activities. If you are interested in viewing materials related to this workshop, please contact the Office of Research and Creative Activity at unoorca@unomaha.edu.