

## Natural Sciences and Engineering Division Summer Opportunities and Research

*The opportunities listed here show the majority of awards that are available for students applying for summer support through the NSE Division. Students do not need to apply for a specific opportunity but should use this list as a reference for opportunities available through the Academic Divisions application process in coordination with the NSE Department/Program Chairs.*

OPPORTUNITY NAME	DESCRIPTION
Adamson Summer Research Fellowship	The Stanley Adamson Prize in Chemistry was established in memory of Stanley D. Adamson '65. It is awarded each spring to a well-rounded junior majoring in chemistry or biochemistry, who, in the opinion of the department, gives the most promise of excellence and dedication in the field.
Bailyn, Lotte L. '51 Research Endowment	The Lotte Lazarsfeld Bailyn '51 Research Endowment established by Bernard Bailyn in 2005, in honor of his wife, the T. Wilson Professor of Management, emerita, at MIT. The fund supports a student summer research fellowship for a rising junior or senior woman majoring in mathematics, science, or engineering who intends to go into graduate studies in one or more of these fields.
Baltimore/Broad Summer Research Fellowship	The David Baltimore/Broad Foundation Endowment was established in 2007 by a grant from the Broad Foundation at the request of David Baltimore '60. This fellowship is awarded to a student doing summer research in the natural sciences or engineering with a preference given to a student engaging in mentored off-campus laboratory research.
Leo and Dorothy Brady Fund	The Leo and Dorothy Brady Fund was established in 2019 by Leo '63 H'16 and Dorothy Brady. The fund supports students who are the first generation in their family to attend college or are independent students to travel abroad for the first time or do research at a scholarly archive. The recipient(s) will be chosen by the Provost's Office.
Class of 1962 Student Summer Fellowship	The Class of 1962 Student Summer Fellowship was established in 2012 by contributions from class members, on the occasion of their 50th Reunion celebration. The fund is intended to provide enriching learning experiences for students by supporting work, study or research during the summer months.
Deborah A. DeMott '70 Student Research & Internship	The Deborah A. DeMott '70 Student Research and Internship Fund was established by Deborah A. DeMott '70 in 2004. The fund is awarded to students following their second or third years on the recommendation of the Provost's Office in conjunction with an advisory panel of faculty. The recommendation is based on the caliber and potential of the student project proposals.
Enders Research Memorial Award	The Robert Enders Field Biology Award was established by his friends and former students to honor Dr. Robert K. Enders, a member of the College faculty from 1932 to 1970. It is awarded to support the essential costs of both naturalistic and experimental biological studies in a natural environment. The field research awards are given annually by the Biology Department to Swarthmore students showing great promise in biological field research.
David E. Fisher '79 & Arthur S. Gabinet '79 Summer Internship	The David E. Fisher '79 - Arthur S. Gabinet '79 Summer Internship for Biological Sciences and Public Service was established by Andrew H. Schwartz '79 and his wife, Dagmar Schwartz, to honor Andy's friends and classmates, David E. Fisher '79 and Arthur S. Gabinet '79, and supports students working in life sciences or public service who exemplify Dr. Fisher's and Mr. Gabinet's values, pursuing studies out of love of learning and devotion to the improvement of the human condition.
Hannay Chemistry Fund	The Hannay Chemistry Fund was established by a gift from the General Signal Corp. in honor of N. Bruce Hannay '42. The fund will provide support for student summer research in chemistry. Bruce Hannay was a research chemist with Bell Laboratories and received an honorary doctor of science degree from Swarthmore in 1979.

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OPPORTUNITY NAME	DESCRIPTION
Carl Grossman Summer Opportunity Fund	The Carl Grossman Summer Opportunity Fund was established in 2018 by Eunice Cheung '93. This fund honors Carl H. Grossman, who taught in the physics department from 1990 to 2015 and served as a trusted mentor to many of his students. The fund is intended to provide enriching learning experiences for Swarthmore students by supporting work, study, or research in physics during the summer months. The recipient(s) will be chosen by the Provost's Office.
Judith R. Harris Research Award in Psychology	The Judith Rich Harris Research Award will provide mentored summer research experience to students working on senior thesis projects or planning to pursue graduate studies in psychology, neuroscience, or related fields, including but not limited to summer research opportunities, conference travel, and the like, at Swarthmore College in accordance with College policies and procedures. The Fund will be administered by the Provost's Office in consultation with the Psychology Department.
Haskin Fernald Summer Student Fellowship	The Haskin Fernald Student Summer Fellowship was established in 2007 by Guy Haskin Fernald '94 and Lia Haskin Fernald '94. This fund is intended to broaden and enrich the experience of a Swarthmore student by supporting a work or study experience dealing with public health issues of global significance, within a public or non-profit setting, in a lower or middle-income country. A student who has identified an opportunity to do research or volunteer work abroad can submit a proposal for support for travel and/or living expenses.
Richard Hurd '48 Engineering Summer Research Fellowship	The Richard M. Hurd '48 Engineering Research Endowment was created in 2000 in memory of distinguished alumnus and former member of the Board of Managers Richard M. Hurd '48. The fund supports students interested in pursuing engineering research during the summer.
Interdisciplinary Biology Fellowship	The Interdisciplinary Biology Fellowship has a goal to provide enriching learning experiences with a preference for students performing interdisciplinary work that integrates subjects of research methods from biology with those of other natural sciences, social sciences, or humanities.
Peter and Aleck Karis Fellowship in Environmental Studies	The Peter and Aleck Karis Fellowship in Environmental Studies shall be used to support summer research fellowships for students in the natural and social sciences studying the effects of environmental changes on ecosystems, biodiversity, and human populations, societies, and cultures, with a preference for investigations into climate change and the impact of climate change, at Swarthmore College beginning in 2014 in accordance with College policies and procedures. The Fund will be administered by the Provost's office upon the recommendation of the Environmental Studies Program Committee.
Giles K. '72 and Barbara Guss Kemp Student Fellowship	Giles and Barbara Kemp established the Giles K. '72 and Barbara Kemp Student Fellowship in 2005. The fund supports internships and research projects with a preference for students whose experiences will be abroad.
Lande Research	The Lande Research Fund was established in 1992 through a gift by S. Theodore Lande to provide support for student research in field biology both on and off-campus. Grants are awarded at the direction of the provost and the chair of the Biology Department.

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OPPORTUNITY NAME	DESCRIPTION
Eugene M. Lang Summer Grants - NSE Division	The Eugene M. Lang Summer Initiative Awards are made each spring to students who are selected by the Provost's Office in consultation with the appropriate division heads to support faculty-student research, independent student research, and student social service activity specifically related to research objectives and tied to the curriculum, under the supervision of faculty members. The Lang Summer Initiative Awards are made possible by the gift of Eugene M. Lang '38.
Lenfest Student Fellowship	The Lenfest Student Fellowship Endowment was established in 2008 by Gerry and Marguerite Lenfest. The fund shall be used to support student participation in research fellowships, internships, and other summer opportunities, and selection will be made by the Provost's Office and the Lang Center for Civic and Social Responsibility.
Carol Lorber Fellowship	Environmental Studies/The Carol Finneburgh Lorber Fellowship in Environmental Studies was established in 2017 by the Swarthmore College Board of Managers, faculty, and friends of the College in memory of Carol Finneburgh Lorber '63, who held a passionate interest in the environment and supported numerous environmental organizations. The fund is intended to provide enriching learning experiences for Swarthmore students by supporting work, study, or research in Environmental Studies during the summer months. The recipient(s), who need not be Environmental Studies majors, will be chosen by the Provost's Office in consultation with the department of Environmental Studies.
Meinkoth Memorial Field Biology Award	The Norman Meinkoth Field Biology Award was established by his friends and former students to honor Dr. Norman A. Meinkoth, a member of the College faculty from 1947 to 1978. It is awarded to support the essential costs of the study of both naturalistic and experimental biological studies in a natural environment. The intent of this fund is to facilitate the joint participation of Swarthmore students and faculty in field biology projects, with priority given to marine biology. The awards are given annually by the Biology Department.
Meinkoth Premed Research Fund	The Norman Meinkoth Premedical Research Fund was established in 2004 by Marc E. Weksler '58 and Babette B. Weksler '58 to honor Norman A. Meinkoth's long service as a premedical adviser to students at Swarthmore College, where he was professor of biology for 31 years and chairman of the department for 10 years. The funds are awarded on the basis of scientific merit to a rising junior or senior premedical student to allow the pursuit of laboratory research in the sciences on or off campus. The Provost's Office administers the fund.
Mellon Interdisciplinary Humanistic Summer Award	The Mellon grant supporting this new interdisciplinary line requires that it support either Film and Media Studies or one of the following eleven interdisciplinary programs: Asian Studies; Black Studies; Cognitive Science; Comparative Literature; Environmental Studies; Gender and Sexuality Studies; Interpretation Theory; Islamic Studies; Latin American and Latino Studies; Medieval Studies; and Peace and Conflict Studies.
Arthur Obermayer '52 International Summer Internship	The Arthur S. Obermayer '52 International Summer Internship was established in 2005 and is intended to broaden and enrich the experience of a Swarthmore student. The grant shall be awarded with preference to a domestic student who is studying in a major that may not inherently offer an international opportunity.

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Pasternack Research Fellowship	The Robert F. Pasternack Research Fellowship was established in 2005 by a gift from the estate of Thomas Koch, deceased husband of Jo W. Koch and father of Michael B. Koch '89. The fellowship honors a beloved member of Swarthmore's Chemistry Department and supports student summer research in chemistry. The fellowship shall be administered by the Provost's Office.
Petrucci Family Foundation Summer Research Grant in Black Studies	This fellowship is intended to allow students to pursue research, praxis, and creative development in the arts, humanities, and social and natural sciences. Proposals must center the experiences of black populations in Africa and/or the Diaspora. Rising sophomores, juniors and seniors are eligible.
Ruth A. Rand '56 Summer Research Fellowship	The Ruth A. Rand '56 Summer Research Fellowship was established in 2014 by William K. Wible, together with members of his family and friends, in memory of his wife. The fund is intended to provide enriching learning experiences for Swarthmore students by supporting work, study, or research in the sciences during the summer months.
Robert Reynolds and Lucinda Lewis '70 Summer Research Fellowship	The Robert Reynolds and Lucinda Lewis '70 Endowed Fund for Summer Research was established in 2013. The fund is intended to provide enriching learning experiences for Swarthmore students by supporting work, study, or research in the biological sciences during the summer months. The fund will be administered by the Provost's Office and awards are made in consultation with faculty in the Biology and Chemistry departments.
James H. Scheuer Summer Internship in Environmental Studies	The James H. Scheuer Summer Internship in Environmental and Population Studies provides one student with a summer stipend for an independent research-oriented project in the field of Environmental Studies.
Allen and Naomi Schneider Summer Research Fund	The Allen and Naomi Schneider Summer Research Fund was established in 2020 by Glenn D. Rosen '77 and Ann Dannenberg Rosen '77 in honor of Professor Allen Schneider and Naomi Schneider. The fund is intended to provide enriching learning experiences for Swarthmore students who are in the first generation of their family to attend college or university, by supporting off-campus life science research with a preference for psychology or neuroscience. The recipient(s) will be chosen by the Provost's Office.
Robin M. Shapiro '78 Summer Research Fellowship	The Robin M. Shapiro '78 Endowed Fund for Summer Research was established in 2013. The fund is intended to provide enriching learning experiences for Swarthmore students by supporting work, study, or research in any field during the summer months.
Solodar Family Science and Engineering Summer Research	Solodar Family Science and Engineering Summer Research Fund was established in 2006. The fund supports a summer research fellowship for a Swarthmore student of science or engineering, with a preference toward the chemical sciences.
Starfield Student Research Grant	Barbara Starfield '54 and Phoebe Starfield Leboy '57 established the Starfield Student Research Endowment in 2004. This award supports student summer research fellowships in social justice with a preference for students pursuing research in the areas of health services delivery/health policy and social, demographic, and geographic equity. Dr. Starfield and Dr. Leboy established the fellowship to honor their parents, Martin and Eva Starfield, educators who instilled a love of learning and social justice in their daughters.

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Surdna Summer Research Fellowship	The Surdna Fellowships were established in 1979 by a gift from the Surdna Foundation and are awarded for summer research by Swarthmore students in collaboration with a faculty member in any department in the Natural Sciences and Engineering Division.
Tarble Summer Research Fellowship	The Pat Tarble Summer Research Fund was established in 1986 through the generosity of Mrs. Newton E. Tarble. The Tarble Summer Fund supports undergraduate research.
Frances Velay Women's Science Research Fellowship	The Frances Velay Womens Science Research Fellowship Program is funded through a grant from the Panaphil Foundation in memory of Frances Velay, an engaged philanthropist with deep commitments to the environment, human rights, women's rights and education. The fellowship is awarded to women majoring in the Division of Natural Sciences and Engineering in support of their participation in full-time summer research. The program's goal is to provide women the opportunity to develop and direct summer research projects that will encourage and advance their careers in scientific fields.
Wallach Fellowship	The Hans Wallach Research Fellowship, endowed in 1991 by colleagues and friends, honors the eminent psychologist Hans Wallach (1904-1998), who was a distinguished member of the Swarthmore faculty for more than 60 years. The fellowship supports one outstanding summer research project in psychology for a rising Swarthmore College senior or junior, with preference given to a project leading to a senior thesis.