Scholarships and Awards Offered by the Indiana University Department of Biology for the 2016-2017 Academic Year

(Recipients will be recognized at a ceremony held Friday, April 29, 2016, at 3:30PM, in Jordan Hall A100.)


**Aldred Family Scholarship**
Established by departmental alum Keith Aldred, M.D., and his wife, Melissa.
Eligible:
- Any undergraduate junior or senior premedical students who have a declared major from the IUB Department of Biology.
Criteria:
- G.P.A. of 3.3 or better.
- First preference will be given to students from either Allen or Switzerland Counties in Indiana.
Award: $1,000.
Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

**Barwe/Rexing Scholarship**
Established by departmental alum Mary “Rosie” Rexing.
Eligible:
- Students who will at least be sophomores in the Fall 2016 Semester.
- Must have a declared major in the IUB Department of Biology.
Criteria:
- Minimum G.P.A. of 3.0 on a 4.0 scale
- Must have demonstrated financial need.
- Preference will be given to students from the following Indiana counties: Dubois, Gibson, Perry, Pike, Posey, Spencer, Vanderburgh, and Warrick.
Amount: Minimum of $3,000 and may be renewable for two additional academic years provided the student is in good academic standing and is making progress towards his/her degree.
Note: Application for this award is by invitation only to College of Arts and Sciences direct admit students who have a declared major in the IUB Department of Biology. **Students will not be invited to apply for this award during the Spring 2016 Semester.**

**Biology Undergraduate Research Award**
Funding provided by: Cook Incorporated of Bloomington, Indiana.
Eligible: Any undergraduate with a declared major from the IUB Department of Biology who is enrolled in Biology L490 or its equivalent.
Award: Up to $1,500 for the best research paper **written by the applicant**. A copy of the winning paper will be presented to Cook Incorporated.
Additional Requirements for Application:
- Submit all materials listed on the application instructions **plus a copy of the research paper** written by the applicant.
- A letter of support must be submitted by the applicant’s **faculty research mentor**. This letter **must** describe the student’s contribution to the research paper (including the percentage of the research that the student contributed).
Blatchley Nature Study Club Scholarship
Established in 1989 by the Blatchley Nature Study Club of Noblesville, Indiana.
Eligible:
- Juniors with a declared major from the IUB Department of Biology who plan to apply to a graduate Plant Biology or Ecology and Evolutionary Biology degree program.*
- Graduating seniors are not eligible to apply.
- Also open to Bloomington Graduate Students in Plant Biology or Evolution, Ecology, and Behavior.
Criteria:
- Serious undergraduate candidates should have a minimum grade point average of 3.0. Graduate student applicants should be in good academic standing.
- First preference is given to qualified candidates who have Indiana residency status with the university.
- Must have financial need.
- Recipient must be willing to prepare and present a program to the club in Noblesville at a mutually agreed upon time, usually the following spring. (Undergraduates: Research conducted through Biology L490 or its equivalent could provide material for this presentation.)
Award: $500.

Additional Requirements for Application:
Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.
- Application must include a brief description of the student’s research project.

Clark (Howard W.) Scholarship
Established by Prudence L. Clark for the purpose of encouraging scholarship in botany, soil building, and plant breeding.
Eligible: Juniors or seniors with a declared major from the IUB Department of Biology who are interested in botany, soil building, and plant breeding.*
Criteria: GPA of 3.3 or better.
Award: $750.

Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

Crowell (Sears) Scholarship
Established in honor of Professor Emeritus P. Sears Crowell, Jr., to allow a student to attend a summer field station, preferably marine, approved by the Department of Biology.
Eligible: Any junior, senior, or graduate student in the IUB Department of Biology.*
Criteria: Available to students enrolling in an internship program or course, preferably marine, at a field station.
Award: $1,000 for an undergraduate junior or senior; $1,000 for a graduate student.
Special Application Materials:
- Submit all materials listed on the application instructions.
- Application must include a statement that details:
  - Your career goals;
  - How the summer field station will help you achieve those goals; and
  - The expenses involved in participating in the program or course at the field station.
- A letter of support must be submitted separately by a faculty member.

*Class level eligibility is determined by credit hours completed at the end of the Spring 2016 semester. Sophomores have 30-59 hours; Juniors have 60-89 hours; and Seniors have 90+ hours
**Eigenmann (Carl H.) Scholarship**
Dr. Eigenmann was a distinguished researcher of fishes and evolution, Chairman of the Zoology Department and Dean of the Graduate School. This endowment is a bequest of his daughter, Adel R. Eiler.
Eligible: Any undergraduate with a declared major from the IUB Department of Biology who is interested in zoological or other biological research.
Criteria:
- GPA above 3.3.
- Sincere interest in biology; research, academic, or professional application is essential.
Award: $750.
Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

**Ferguson (Arlene) Internship at Hilltop Gardens**
Established in 1990 by Mr. Stephen L. Ferguson, local businessman and former IU Trustee, in memory of his mother.
Eligible: Those with a demonstrated interest in botany.
Criteria:
- Must be of at least sophomore standing.*
- Must have a minimum grade point average of 3.0.
- Graduating seniors may not apply.
- Recipient must be enrolled in the Spring 2017 semester at IU Bloomington.
Award: $500.
Note: Recipient serves an internship at Hilltop Gardens for 5-8 hours each week during the Spring 2017 semester, under the guidance of Hilltop staff, who will assist in the selection process.
Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

**Fox Glen Research & Education Fund Award**
Established with the support of John Sinclair to encourage effective undergraduate participation in research. This award is based on scientific merit and is unrelated to need and GPA.
Eligible: Undergraduates with a declared major from the IUB Department of Biology who are engaged in undergraduate research through Biology L490 or its equivalent.
Criteria:
- Applicant must have had at least 1 previous semester of L490 or its equivalent.
- Applicant must submit a research paper (written by the applicant) in the form of a publishable manuscript. (Paper must define a hypothesis; describe why this is important; propose an experimental test of the hypothesis; carry out the experiment and interpret the results and impact of the evaluation of the hypothesis; and finally, propose future work.)
Award: $500.
Special Application Materials:
- Submit all materials listed on the application instructions.
- Application must include a copy of the research paper that the applicant wrote.
- A letter of support must be submitted separately by a faculty member. The required recommendation letter must be written by the applicant's faculty research mentor. The letter must describe the applicant’s contribution to the research paper (including the percentage of the research that the student contributed).
Frey (Sarah Elizabeth) Indiana Daffodil, Inc. Scholarship
Established by the Indiana Daffodil Society in 2011 as the Indiana Daffodil Society Scholarship. The group renamed the award in 2016 to honor the memory of Frey, who was a long-time member of the group. Dr. Frey (Libby to her friends) supplied fresh-cut daffodils to our student award ceremonies for many years.

Eligible:
- Any Junior or senior obtaining an undergraduate degree from the Department of Biology, with an emphasis of study in botany, preferably ornamental crops.* As of 2014, Department of Biology graduate students who meet these requirements are also eligible to apply.
- The group is opposed to supporting genetic modification of plants that bypass natural selection. Acceptable areas of interest include plant breeding (providing any deliberate genetic crosses use naturally isolated alleles); genetics; ecology (natural culture conditions); and plant evolution.
- Students in the field of plant molecular biology or biochemistry are able to apply as long as work in these fields does not directly produce or optimize strains that would be used in the field.
- Preference will be given to an applicant with a strong interest or experience in the growing, breeding, and/or showing of daffodils.

Criteria:
- Undergraduate applicants must have a GPA of 2.8 or better. Graduate student candidates must be in good academic standing.
- **Must be a U.S. resident, with preference given to residents of Indiana.**
- Financial need is one of the criteria the society wishes to have considered, so be sure to address this issue in your personal statement.
- The recipient must attend one of the Indiana Daffodil Society events held at Holliday Park in Indianapolis, IN, or at the Bloomington Farmers’ Market, during the year following his or her award.

Award: $1,000.
Special Application Materials:
- Submit all materials listed on the application instructions.
- Applicant’s personal statement must detail his or her qualifications for the award, including any extracurricular or volunteer work.
- Two letters of support must be written, one of which must be from a Biology department faculty member.

Grossman (Rex) Scholarship
Dr. R. Daniel Grossman, an alumnus and respected local ophthalmologist, established this award. Dr. Grossman takes special interest in this scholarship established in his father’s memory. His sister, Jill Grossman, has joined him in supporting this award. Premedical or preoptometry study and financial need are strong criteria.

Eligible:
- Graduating seniors with declared majors from the IUB Department of Biology who are accepted to medical school or optometry school.
- Students must be enrolled during the Spring 2016 Semester.

Criteria: High GPA; financial need; demonstrated good citizenship.
Award: Up to $5,000.
Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.
- Be sure to indicate in your application if you have been accepted to medical school or to optometry school.

*Class level eligibility is determined by credit hours completed at the end of the Spring 2016 semester. Sophomores have 30-59 hours; Juniors have 60-89 hours; and Seniors have 90+ hours
**Kindig (John R. and Wendy L.) Scholarship**  
Established in 2015 by IU alumni John R. Kindig, M.D., and Wendy L. Kindig, M.D.  
Eligible: Open to undergraduates with a declared major from the IUB Department of Biology who have a demonstrated record of excellence.  
Criteria:  
- G.P.A. of 3.5 or greater on a 4.0 scale.  
Award: Two awards at $5,385 each.  
Special Application Materials:  
- Submit all materials listed on the application instructions.  
- A letter of support must be submitted separately by a faculty member.

**Malacinski (George M.) Biology Scholarship**  
Established in 2014 by an IU Business School alumnus to honor IU Department of Biology faculty member George M. Malacinski.  
Eligible: Any undergraduate who has a declared major from the IUB Department of Biology.  
Criteria:  
- G.P.A. of 3.5 or better.  
- Must have demonstrated financial need.  
Award: $1,000.  
Note: This scholarship is **not** renewable.  
Special Application Materials:  
- Submit all materials listed on the application instructions.  
- A letter of support must be submitted separately by a faculty member.

**McClung (L.S.) Scholarship in Microbiology**  
Established in 1987 by Cornelius F. Sterling (BA Bacteriology, 1942) to honor Professor Emeritus L. S. McClung.  
Eligible: Microbiology majors who are **Indiana residents (required) as defined by Indiana University**, and who, upon graduation, will work in the field of Microbiology or plan to pursue a graduate degree in that field.  
Criteria:  
- Overall GPA of 2.00 or greater.  
- Science GPA of 3.00 or greater.  
- Student must be enrolled at IUB in the Fall 2016 Semester and have Indiana residency.  
- Graduating seniors and non-Indiana residents are not eligible.  
Award: $3,000.  
Special Application Materials:  
- Submit all materials listed on the application instructions.  
- A letter of support must be submitted separately by a faculty member.

**Microbiology Undergraduate Summer Research Program Award**  
Established by Professor Emeritus L. S. McClung and his friends in 1989. This award provides funding to a Microbiology student performing L490 (or its equivalent) research on the Bloomington campus during Summer Session 2016.  
Eligible: Microbiology students enrolled in at least one hour of L490 (or CHEM-C409 or MSCI-M450) on the Bloomington campus during Summer Session 2016.  
Criteria:  
- First preference given to recipients of the L. S. McClung Scholarship.  
- Other highly qualified Microbiology students are also eligible.  
- Award recipient must write a paper in the form of a publishable manuscript. (Paper must define a hypothesis; describe why this is important; propose an experimental test of the hypothesis; carry out the experiment and interpret the results and impact of the evaluation of the hypothesis; and finally, propose future work.)  
Award: $3,500.  
Special Application Materials:  
- Submit all materials listed on the application instructions.
Microbiology Undergraduate Summer Research Program Award Continued

- Your application should include a brief description of your research.
- A letter of support must be submitted separately by a faculty member. The required recommendation letter must be written by your faculty research mentor.

Mower (Alfred Parson) Scholarship
Established in 2011 by departmental alumna Tracy L. Lawhon Parrott in memory of her grandfather, Alfred Parson Mower, who funded her undergraduate education.
Eligible: Open to select undergraduate students with a declared major from the IUB Department of Biology.
Criteria:
- Candidates must be U.S. residents.
- Must be entering their Junior or Senior year.*
- Applicants must have a minimum overall GPA of 2.0, and a science GPA of 3.0 or better.
Award: $1,000.
Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

Robinson (Sid) Scholarship
Established in 2012 to honor the memory of Sid Robinson, an Olympic track star who became an internationally famous exercise and environmental physiologist. This is the first year the scholarship will be awarded.
Eligible: Open by invitation only to Direct Admit Students.
Criteria: Application criteria is being finalized.
Award: $4,000
Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

Roessler (Wm. G.) Scholarship
Established in 2004 via a bequest from departmental alumnus William G. Roessler.
Eligible: IUB Department of Biology students majoring in Microbiology.
Criteria:
- Award alternates annually between Microbiology graduate students and undergraduates. In 2016, the award is NOT open to undergraduates.
- Microbiology graduate students have to be in good academic standing.
- Undergraduates must be junior or senior Microbiology majors with a G.P.A. of 3.5 or better.
Award: $1,000.
Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

Seward (Fred) Award
Established by the George E. Archer Foundation in 2014 to honor the memory of Fred Seward. First award was granted in 2015.
Eligible: Any graduate student or undergraduate earning a declared major from the IUB Department of Biology who works in ecology, environmental biology, or in sustainable forestry or gardening through curricula, research, or outreach.
Criteria:
- Graduate students must be in good academic standing.
- Undergraduates must be of at least sophomore standing and have a minimum GPA of 3.0.
- Graduating seniors may not apply.
Award: $2,500.

*Class level eligibility is determined by credit hours completed at the end of the Spring 2016 semester. Sophomores have 30-59 hours; Juniors have 60-89 hours; and Seniors have 90+ hours
Seward (Fred) Award Continued

Notes:
- A review committee of two Biology faculty members in conjunction with representatives of the George E. Archer Foundation will select each year’s recipient.
- Applicant must include in his or her personal statement a brief description of his or her work in ecology, environmental biology, or in sustainable forestry or gardening through curricula, research, or outreach.

Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

Tatum (William J.) Scholarship
Established in 2004 by the late William J. Tatum, who served in the U.S. Navy during the Korean War, and completed his education at Indiana University thanks to the G. I. Bill. He taught biology and general science to seventh and eighth graders in Bloomington-area schools throughout his career.

Eligible: Any undergraduate who has a declared major from the IUB Department of Biology.
Criteria:
- G.P.A. of 3.5 or better.

Special Application Materials:
- Submit all materials listed on the application instructions.
- A letter of support must be submitted separately by a faculty member.

*Class level eligibility is determined by credit hours completed at the end of the Spring 2016 semester. Sophomores have 30-59 hours; Juniors have 60-89 hours; and Seniors have 90+ hours