

***Morris and Elaine Soffer Rockstein Fellowship for Ph.D. students, & Allan Peterson Fellowship for M.S. students***

**Graduate Student ACADEMIC ACHIEVEMENT FELLOWSHIPS in Entomology**

***Academic Year 2016-2017***

*We gratefully acknowledge that the endowment funds for these Fellowships that were contributed by Morris and Elaine Soffer Rockstein and by Allan Peterson. The awards this year will be \$2000, and \$1000 each, for the Ph.D. and M.S. awards, respectively.*

**DEADLINE: Friday, April 14, 2017 (4pm)**

**INTENT:** To recognize entomology graduate students for outstanding academic and professional accomplishments. Awards will be presented at the Hodson Alumni Award & Graduate Student Recognition Event (May of each year).

**Requirements for Rockstein and Allan Peterson Applicants:**

1. These awards are open to all eligible students enrolled in the graduate program in Entomology at the University of Minnesota. No restrictions are placed on research area, national origin, or previous awards received. Recent graduates are not eligible.
2. To be eligible, Master's and Ph.D. students must have been enrolled for 2 semesters.
3. The candidate must have an approved Graduate Degree Plan (Graduate School form OTR 198) on file with the Graduate School.
4. The candidate must be a student member of a professional society.
5. Ph.D. candidates must have at least one published (or in press) popular, extension, or scientific paper related to entomology. M.S. students must have presented a paper (or poster) at a national or regional meeting of a professional society or have at least one published (or in press) popular, extension, or scientific paper related to entomology. Papers/presentations based on research completed while the candidate was at another institution are acceptable. Junior authorship is acceptable, but in this case the student and/or supporter(s) should discuss the extent of the student's contribution in the letter of transmittal and/or letter(s) of support.

**Procedures:**

Candidates must provide electronic files of requested documentation to Bill Hutchison, [hutch002@umn.edu](mailto:hutch002@umn.edu) by **the deadline (above)**. Recommendation forms should be submitted separately, by the same deadline as detailed below. Failure to comply by these procedures and formatting guidelines will result in disqualification.

**A)--The candidate must provide:** Combined into **one** Word or PDF file (**Please label:** Award name. your last name.doc or .pdf)

1. A letter of transmittal by the candidate documenting that all 5 eligibility criteria have been met. This letter must also include a list of coursework (including transferred coursework) and cumulative grade point average while enrolled in the program.
2. A statement, written by the student, of not more than 1000 words summarizing his/her "Contributions to Research in Entomology and Professional Intent." **This statement should be double spaced with one inch margins and use 12 point font** (Times, Arial, or New Times Roman fonts recommended). This statement should provide a brief overview of the student's research, its potential significance to the field, and progress to date. The statement should close with a summary of the student's career objectives.
3. A Curriculum Vitae of not more than 2 pages for the Peterson and not more than 3 pages for the Rockstein. **The CV should have one inch margins and use 12 point font** (Arial, Times, or Times New Roman). The CV should include the following (as applicable): 1. Your name and contact information, 2. Education (college and graduate work, including graduate GPA information), 3. Awards, Fellowships and Grants, 4. Publications, 5. Presentations (indicate oral, poster, submitted or invited), and 6. Service. Service is broadly defined to include serving on Entomology committees, on Frenatae, on campus group committees, providing school presentations, judging science fairs, providing expertise to other labs (training on equipment, protocols, etc.), reviewing manuscripts, etc.
4. To meet the publication/presentation criterion, candidates also provide as a separate file(s): A scanned copy, electronic journal PDF, or journal link to the publication(s) or scanned abstract of presentation of meeting presentation. Please label as: Award name.yourlastname.pubs.doc or .pdf (e.g., Rockstein.Weller.pub1.doc -orPeterson.Weller.pub1.pdf).

**B)--Recommendations:** A recommendation from your major advisor **and** one from a member of a graduate faculty at the Univ. of Minnesota are required. The recommendation forms are available on the department's web site at: <http://www.entomology.umn.edu/students/current-grad-students>

The forms request commentary on the following areas:

1. Scholarship: Evidence of the student's depth of understanding of the science of entomology, research creativity and independent thought, intellectual development, and thesis progress.
2. Communication: Student's ability to communicate the science of entomology through oral and written venues (publications, presentations at meetings), teaching, or extension activities.

3. Leadership and service: Student's role in the larger community, including (but not limited to) examples of cooperation with colleagues and faculty and extracurricular activities.

**Evaluation of files** – One or more committees of 3 graduate faculty each will be appointed to review the files for each award. Files will be judged on academic and professional potential and accomplishments as evidenced by the candidate's package (statement, CV, publications/abstracts) and as evidenced by the two recommendations.

### **Lugger-Radcliffe Fellowship in Entomology, Academic Year 2016-2017**

*We gratefully acknowledge the contribution of endowment funds for this fellowship by Ted and Betty Radcliffe. The award this year will be \$2,500 for either a Ph.D. or M.S. student.*

**DEADLINE: Friday, April 14, 2017 (4:00 pm)**

**INTENT:** To recognize entomology graduate students for academic excellence, and those with research interests in the applied ecology of arthropod pests within agricultural or forest ecosystems, including an emphasis on sustainable IPM and/or pollinator health. One award will be given in 2016. The award is open to an M.S. or Ph.D. student, enrolled in the Dept. of Entomology Graduate Program. The award will be presented at the Hodson Alumni Award & Graduate Student Recognition Event (May of each year).

#### **Requirements for Lugger-Radcliffe applicants:**

1. These awards are open to all eligible students enrolled in the Entomology graduate program at the University of Minnesota. No restrictions are placed on national origin, or previous awards received. Recent graduates are not eligible.
2. To be eligible, M.S. and Ph.D. students must have been enrolled for at least 2 semesters.
3. The candidate must have an approved Graduate Degree Plan (Graduate School form OTR 198) on file with the Graduate School.
4. The candidate must be a student member of a professional society.
5. Ph.D. candidates must have at least one published (or in press) popular, extension, or scientific paper related to entomology. M.S. students must have presented a paper (or poster) at a national or regional meeting of a professional society, or have at least one published (or in press) popular, extension, or scientific paper related to entomology. Papers/presentations based on research completed while the candidate was at another institution are acceptable. Junior authorship is acceptable, but in this case the

student and/or supporter(s) should discuss the extent of the student's contribution in the letter of transmittal and/or letter(s) of support.

**Procedures:**

Candidates must provide electronic files of requested documentation to Bill Hutchison, [hutch002@umn.edu](mailto:hutch002@umn.edu), by **the deadline**. Recommendation forms ([available to faculty on the Dept. Grad Faculty page](#)) should be sent separately, by the same deadline as detailed below. Failure to comply by these procedures and formatting guidelines will result in disqualification.

**A)--The candidate must provide:** Combined into **one** Word or PDF file (**Please label:** Fellowship-Award name.your last name.doc or .pdf)

1. A statement, written by the student, of not more than 1000 words summarizing his/her "Contributions to Research in Entomology and Professional Intent." **This statement should be double spaced with one inch margins and use 12 point font** (Times, Arial, or New Times Roman fonts recommended).

This statement should provide a brief overview of the student's research, its potential significance to the field, and progress to date. The statement should close with a summary of the student's career objectives.

2. A Curriculum Vitae of not more than 2 pages for the Lugger-Radcliffe Fellowship; **The CV should have one inch margins and use 12 point font** (Arial, Times, or Times New Roman). The CV should include the following (as applicable): 1. Your name and contact information, 2. Education (college and graduate work, including graduate GPA information), 3. Awards, Fellowships and Grants, 4. Publications, 5. Presentations (indicate oral, poster, submitted or invited), and 6. Service. Service is broadly defined to include serving on Entomology committees, on Frenatae, on campus group committees, providing school presentations, judging science fairs, providing expertise to other labs (training on equipment, protocols, etc), reviewing manuscripts, etc.
3. To meet the publication/presentation criterion, candidates also provide as a separate file(s): A scanned copy, electronic journal PDF, or journal link to the publication(s) or scanned abstract of presentation of meeting presentation. Please label as: Award name.yourlastname.pubs.doc or .pdf ( Lugger-Radcliffe.Kurtti.pub1.doc ).

**B)--Recommendations:** Two recommendation forms, one from your major advisor and one from a member of a graduate faculty at the Univ. of Minnesota are required. The recommendation forms are available on the department's web site: <http://www.entomology.umn.edu/students/current-grad-students>

The forms request commentary on the following areas:

1. Scholarship: Evidence of the student's depth of understanding of the science of entomology, research creativity and independent thought, intellectual development, and thesis progress.
2. Communication: Student's ability to communicate the science of entomology through oral and written venues (publications, presentations at meetings), teaching, or extension activities.

3. Leadership and service. Student's role in the larger community, including (but not limited to) examples of cooperation with colleagues and faculty and extracurricular activities.

**Evaluation of files** – One or more committees of 3 graduate faculty each will be appointed to review the files for each award. Files will be judged on academic and professional potential and accomplishments as evidenced by the candidate's package (statement, CV, publications/abstracts) and as evidenced by the two recommendations.

## **MARION BROOKS-WALLACE FELLOWSHIP FOR ENTOMOLOGY PH.D. STUDENTS**

### **DEADLINE: Friday, April 14, 2017 (4:00 pm) BACKGROUND**

Professor **Marion Brooks-Wallace** was a member of the Entomology graduate faculty from 1959 to 1986 and an emeritus professor until she passed away in 2007. Her research interests included symbiotic and pathogenic relationships of microorganisms in insects and insect cell culture. Dr. Brooks-Wallace has endowed a Fellowship to support research **in basic insect science**, broadly defined to include insect physiology, microbiology, morphology, ecology, systematics and related disciplines. The intent of this award is to foster development of innovative approaches or testing hypotheses that emerge from and complements a student's Ph.D. research. To apply, students must meet the eligibility requirements and write a research proposal, following guidelines presented below. The successful applicant will receive up to \$4,500 from the Marion Brooks Wallace fund to support their research project. The student receiving the award will be notified and recognized, May of each year, at the Student Recognition Day and Hodson Alumni Award ceremony.

### **ELIGIBILITY REQUIREMENTS**

1. This fellowship is open to active Ph.D. students in the Entomology Graduate Program at the University of Minnesota. Applicants must emphasize the basic nature of the proposed research and describe how it complements their thesis research. No restrictions are placed on national origin or previous awards received. Recent graduates are not eligible and the research (data collection & analysis) should be completed prior to graduation and incorporated into the Ph.D. thesis.
2. Ph.D. students must have an approved Graduate Degree Plan (Graduate School form OTR 198) on file with the Graduate School.

### **PROPOSAL FORMAT**

*All proposals should conform to the following format and submitted as a pdf file. Proposals that do not comply will not be considered:*

- 1. Project description (3 pages; single space, 12 pt font, 1 inch margins) with the following elements:****Title.** Project title should be no more than 25 words. Please include applicant's name and advisor's name(s) below the title.

**Abstract.** This abstract should summarize the proposed research by stating the goal(s) or specific objective(s). Concisely state the methods/approach you will use. The abstract should also provide a brief research justification describing how the proposed project expands or complements your current Ph.D. thesis research and contributes to your research field. Research justification of how your proposed research meets the MBW criteria of basic insect science research can be further developed in the Narrative (items a, c).

**Narrative.** This section will provide the reviewers with sufficient detail to determine how well the project meets the criteria outlined in the Review process. The project description should include:

- a. Research objective/hypothesis,
- b. Background (includes a brief literature review) and any previous results,
- c. Materials and Methods (experimental design, data analysis),
- d. Potential or expected results and interpretation given the hypotheses.
- e. Timeline for project (data collection, analysis and report/manuscript)

1. **Literature Cited.** (1 page) You may choose your preferred journal format, but be consistent. This section is limited to one page. Web citations should include date accessed.

2. **Budget and Justification.** (1 page) The MBW budget is limited to \$4,500. If your budget exceeds this amount, you should indicate the other funding resources available to supplement your request.

**a. Budget items.** List the items and the amounts required for each. Budgets may include purchase of expendable supplies, analytical software, services at BioDale, and travel.

**b. Budget justification.** All items must be justified, particularly any salary and travel items.

1. **Biographical sketch** (abbreviated curriculum vitae) (2 pages). This biographical sketch should include: a) your contact information (address, email, phone); b) academic degrees (including pending); c) professional employment; d) awards, fellowships, or grants; e) a list of publications; f) presentations (oral, poster, invited or contributed); g) membership in professional societies; and, h) any outreach or service activities. Please indicate (asterisk or highlight) which presentations or papers are being included for reviewers' consideration (up to 5 can be selected). If you have more publications or presentations than allowed by the 2 page limit, indicate that you have selected those most relevant to your proposal.

2. **Supporting information.** You may submit examples of your published work and /or descriptions of papers/posters presented at professional meetings. *No more than 5*. Please assemble a pdf file of these, entitled: **MBWsupportdocs\_lastname.pdf**. In the case of electronic publications available on-line, provide the pdf links in your CV or a copy of the pdf.

3. **Letters of recommendation.** You should request 2 letters of recommendation (1 page, maximum; see instructions on Dept. web page under Fellowships). The first letter should be from the student's major advisor and the second letter should be from someone familiar with the student's research capabilities. Letters must emphasize the basic nature of the proposed research and how it

complements the thesis research. To the extent possible, letters should address your current research activities. They should also address how the proposed research has an innovative component that extends beyond and/or complements the thesis proposal or original expectation for the project.

**Letters must be submitted electronically to:** the Current DGS, Dr. Tim Kurtti, as a PDF file, to: [kurt001@umn.edu](mailto:kurt001@umn.edu)

### **PROPOSAL CHECKLIST**

A complete research proposal package will include the following:

1. **Project description** (including title, brief abstract and project description). This proposal is limited to 3 single spaced pages formatted in 12 point font and standard page margins (1 inch).
2. **Literature cited.** Limited to one page, single space and formatted as above.
3. **Budget and budget justification.** Limited to one page and formatted as in #1.
4. **Biographical sketch or CV.** Limited to two pages.
5. **Supporting documents.** Selected publications or abstracts of presentations/posters, limit 5.
6. **Letters of recommendation, limited to one page each.** One should be from the major advisor (letter #1) and the other from someone familiar with applicant's research (letter #2). These should be submitted electronically directly to the DGS (per instructions below), and please entitle: **MBWletter#\_lastname** (e.g. MBWletter1\_Kaler).

The complete package must be received **before 4:00pm, Friday, April 14, 2017.** The applicant must submit the award application electronically to the **current DGS, Dr. Tim Kurtti.** [kurt001@umn.edu](mailto:kurt001@umn.edu) .

Electronic packages should have items 1-4 merged into a single PDF document entitled: **MBWproposal\_yourfirst-lastname.** Example: MBWproposal\_AlecHodson.pdf. The supporting publication/presentation documents (item #5) should be submitted electronically.

### **REVIEW PROCESS**

Members of the Entomology Graduate Faculty will review all proposals. The committee will be reappointed annually and will not include advisors of individuals in the ongoing competition. The criteria to be considered are listed below:

1. Scientific merit and appropriateness for the MBW award (see Background information)
2. Justification of the problem, clarity of objectives
3. Innovation of hypothesis and/or approach
4. Appropriateness of research design and methodology
5. Budget (not to exceed \$4,500) and budget justification
6. Letters (2) of recommendation

### **NOTIFICATION**

Applicants will be notified of the MBW committee's recommendations at the department's annual Graduate Student Recognition Day and Hodson Alumni Award Lecture (May, each year).