

2010 Biology Scholars Research Residency Application Checklist

All application materials must be submitted electronically to biologyscholars@asmusa.org as attached documents with the following subject line: "BSP Research Residency (insert applicant name here)."

Applications are due on or before **March 1, 2010**.

Completed application packets should include:
1. BSP Research Residency Application and Institutional Form
2. Statement confirming your availability to participate in all aspects of the year-long Biology Scholars Research Residency, including <ul style="list-style-type: none">– Participation in the Scholarship of Teaching and Learning Institute, July 14-17, 2010, Washington, DC– Completion of all pre- and post-Institute assignments and readings– Biology Scholars Capstone Institute, May 2011, TBA– ASM Conference for Undergraduate Educators, May 2011, TBA or another professional society meeting that sponsors education sessions and workshops– Presentations at local and/or national meetings– Participation in the Biology Scholars e-community– Participation in up to five years of tracking of your professional development by ASM
3. Curriculum vitae (limited to two pages) containing information relevant to the Research Residency
4. Table describing your teaching responsibilities, including course names and levels, number of students, and types of students (biology, cell biology, genetics, microbiology, and general education majors and allied health students) and percentage of students coming from underrepresented and/or underserved populations
5. Five essays (no more than five pages double-spaced and numbered, with your name and institution in the header of each page) on your: <ul style="list-style-type: none">a. Essay #1: Teaching philosophy. Describe your teaching philosophy, addressing how do you teach? Why do you teach the way you do? How do you know that you are being effective and that your students are learning?b. Essay #2: Teaching challenge or problem. Describe your teaching problem or challenge, including any evidence collected to know that a problem exists. What are the underlying assumptions regarding the problem? How widespread do you think the problem is? What question(s) does the problem lead you to ask? How have you addressed the problem thus far?c. Essay #3: Personal and/or professional goals. Describe professional development activities pertinent to the Biology Scholars Program that you have participated in during the previous 24 months. What previous experience have you had with scholarly teaching, the scholarship of teaching and learning, education research including workshops/seminars/courses (attended or presented), self study efforts, or publications?d. Essay #4: Outreach activities. Describe any outreach activities that you have participated in during the previous 24 months. Describe your purpose for participating in and outcomes for these activities, particularly those to improve and/or enhance student learning.e. Essay #5: Institutional environment. Describe your institution's environment for improving teaching and learning. Does your institution support teaching seminars, a center for faculty development, release time and/or collaborative work to improve courses, curriculum, and travel to educational meetings? Describe any currently or previous funding and/or support that you have had to improve student learning.
6. A letter of support from an institutional administrator or supervisor advocating your participation in the program and detailing possible infrastructure and institutional support available to you as you pursue your research. The letter must originate from the advocate's e-mail account. Send the support letter to biologyscholars@asmusa.org
7. A letter of support from a colleague who is familiar with your teaching and interest in student learning. The letter must originate from the advocate's e-mail account. Send the support letter to biologyscholars@asmusa.org
Questions about the application process should be directed to KaRyn Daley, Coordinator, Education Programs & Resources, kdaley@asmusa.org

Biology Scholars Program

2010 Research Residency Application Form

All application materials must be submitted electronically to biologyscholars@asmusa.org as attached documents with the following subject line: "BSP Research Residency (insert applicant name here)." Applications are due on or before **March 1, 2010**.

Name _____
(First Name) (Middle Initial) (Last Name)

Job Title and/or Academic Rank _____

Discipline and/or Professional Field _____

Institution _____

Department _____

Campus Address _____

City/State/ZIP/Country _____

Work Phone Number _____

E-Mail Address _____

(Optional) Academic or Personal Web Site _____

Please indicate whether you are currently a member of one or more of the Biology Scholars Program affiliated professional societies. (Check all that apply)

- American Institute of Biological Sciences
- American Physiological Society
- American Society for Biochemistry and Molecular Biology
- American Society for Cell Biology
- American Society for Microbiology
- Ecological Society of America
- Genetics Society of America
- Not currently a member of the societies listed

Describe any leadership role(s) you have played within your professional society (conference speaker/reviewer/committee member/etc.)

Indicate the percentage of your professional activity dedicated to the following:

_____ teaching _____ research _____ service _____ other (please specify) _____

On a scale of 1-5, please rank your institution's support to improve student learning. (Circle one)

- 1 = least supportive; faculty are not encouraged to improve their courses or student learning
 - 2 = not very supportive; faculty are encouraged to address student learning, but there are minimal on campus resources and few colleagues are available assist
 - 3 = supportive; faculty are encouraged to address student learning; there are campus resources available (e.g. seminars, workshops, teaching/learning centers) but few faculty members take advantage of these resources
 - 4 = very supportive; faculty are encouraged to address student learning; there are campus resources and faculty networks and communities to join; professional development funds are available from the department to pursue innovations that improve student learning.
 - 5 = most supportive; student learning is a critical factor that genuinely counts towards advancement; campus resources, faculty networks, professional development funds, and a supportive administration through the chief campus leader are present; the scholarship of teaching and learning is one factor among several that genuinely counts towards advancement.
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Questions about the application process should be directed to KaRyn Daley, Coordinator, Education Programs & Resources, kdaley@asmusa.org.

2010 Biology Scholars Research Residency Institutional Form

All application materials must be submitted electronically to **biologyscholars@asmusa.org** as attached documents with the following subject line: "BSP Research Residency (insert applicant name here)." Applications are due on or before **March 1, 2010**.

Applicant Name: _____
(First Name) (Middle Initial) (Last Name)

Carnegie Classification. Indicate the institution's Carnegie classification by Using the "Institution Lookup" function at the Carnegie Foundation website:

<http://www.carnegiefoundation.org/classifications/index.asp?key=782>

Please imitate the format provided in the example below:

Carnegie classification example:

Institution: University of Maryland-College Park

City/State: College Park, Maryland

Level: 4-year or above

Control: Public

Enrollment (Fall 2004): 34,933

Size and Setting: L4/R: Large four-year, primarily residential

Basic Classification: RU/VH: Research Universities (very high research activity)

Applicant's Institution: _____

City/State: _____

Level: _____

Control: _____ Enrollment (Fall 2004): _____

Size and Setting: _____

Basic Classification: _____

Indicate the primary student type to whom education research is directed:

- _____ Biology major, including premedical, pre dental, prepharmacy, medical technology, and biotechnology
- _____ STEM major but not biological sciences (e.g., physics, chemistry, or engineering)
- _____ Nursing and allied health professions
- _____ General education and/or non-science majors
- _____ Other (describe) _____

Indicate the percentage of students from underrepresented minority populations served at the institution:

- _____ Black/African American
- _____ Hispanic or Latino
- _____ Pacific Islander or Native Alaskan
- _____ Native American
- _____ Asian American
- _____ Caucasian

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kdaley@asmusa.org.