

Bryophyte and Lichen Section Fund Request

The Bryophyte and Lichen section (ABLS) would like to request funding from the BSA in order to achieve the following: 1) increase student participation at the conference 2) support wide attendance of members to this exciting conference in the wildlands of Alaska. Partially due to Covid-19 and partially due to a general trend, our membership has fallen, and we believe a vibrant and inclusive conference in 2022 will encourage people to continue participating and bring in new members, especially those beginning careers in bryology and lichenology.

ABLS provides our own funding for many aspects of the conference: we have funds specifically donated for our A. J. Sharp Award and for two field research awards, one for bryology and one for lichenology, so we will not be requesting funds for those items.

Instead, we would like to encourage student participation in the conference by offering travel awards and field trip participation awards. We request \$500 for travel awards, which we will match with our own travel award funds then divide between up to 5 students who need assistance getting to the conference. In some cases, flights to Anchorage are quite reasonable, in others, especially from smaller airports, they are not.

In addition, we would like to encourage students to participate in field trips. Part of the reason this conference will be so exciting is that it will be held in Alaska! We feel that being outdoors is an important part of participating in the conference. This is one of the best ways to learn about Alaska and bryophytes and lichens in general. Here, instead of being an almost invisible part of the landscape, these organisms play a vital role in the amazing plant communities. To this end, we will request BSA to pay for up to 10 field trip awards of \$50 each to students wishing to enroll in one of the two local field trips, on a first-come, first-served basis.

We propose to hold a colloquium that will interest both bryologists and lichenologists, with two invited speakers. The colloquium is an important way for bryologists and lichenologists to share thoughts about how mosses and lichens impact their environments, and techniques researchers are using to understand these roles. The speakers will be offered \$200 each as an Honorarium, and we request \$200 to be matched by ABLS to pay these speakers.

Finally, with prices for food in Alaska clearly more expensive than in the lower 48 states, we request funding for snacks at our general business meeting that will be held at the Conference. We wish to encourage all of our members to attend our general meeting, and food is one way to encourage this. Especially, it encourages young professionals and graduate students to attend and become involved in the workings of our society and participate in making important choices about how the society is run. To this end, we request \$400, to be matched by ABLS, to pay for snacks at the general meeting.

Budget		
	BSA funds	ABLS matching funds
5 student travel awards, \$200 each	\$500	\$500
10 student field trip awards, \$50 each	\$500	
1 invited speaker	\$200	\$200
general meeting snacks	\$400	\$400
Total	\$1,600	\$1,100

Economic Botany Section Fund Request

1 November 2021

The Economic Botany section would like to request funding from the BSA in order to achieve the following at Botany 2022: 1) two student travel awards and 2) two best poster/presentation awards. Our section has historically offered these awards at meetings and these awards provide a path to attendance that might not otherwise be available. As our membership grows and we see increased attendance at our Ethnobotany and Crops and Wild Relatives paper sections, we would like to continue to support early career members that are pursuing this discipline by providing financial support at the meetings.

The Economic Botany section has offered student travel awards for the past five years and continues to see increased interest in travel, paper, and poster awards. Both our leadership board and the previous board have offered section travel awards at \$200 per award. We find it best for our members to offer \$500 travel awards per the BSA's recommendation, particularly to help defer costs of traveling to Alaska for Botany 2022. Additionally, we have many international members of our section that often register, but ultimately are unable to attend because of cost or Visa issues. We hope by increasing the amount of the travel awards, we will be able to include more members of our community that would otherwise be unable to attend.

The Economic Botany section continues to observe increased participation in our paper and poster sections at the annual meetings. In 2016, our board split our meeting sections into two groups: Ethnobotany and Crops and Wild Relatives. By making this distinction, we have seen double the participation in our meeting sections. Ethnobotany has long been supported by our section, and by adding Crops and Wild Relatives, we are serving researchers that are aligned with agriculture where they have not had a clear section to share their work in past meetings. Attendance at both paper sections during the Botany 2021 virtual conference were each over 80 people. We suspect that the virtual format affected our poster submissions this year, as they were in sharp decline from the previous three years. We would like to offer \$250 best poster awards in both the Ethnobotany and Crop Wild Relatives sections for Botany 2022 to encourage participation in these unique and popular sections.

The Economic Botany section has been serving researchers at the intersection of people and plants for the last five years and undoubtedly longer, and we would like to extend this support at Botany 2022. With our two popular meeting sections, we continue to see increased attendance and interest in our discipline. Our section would like to provide increased travel award support to young members and offer recognition to researchers that have been continuing to complete exceptional work during a global pandemic by offering best poster and paper awards in our two meeting sections. With this budget request, we will continue to support young members of our section attending the meeting.

Budget

2 Student Travel Awards @ \$500	\$1000
Crops and Wild Relatives section Best Poster award	\$250
Ethnobotany section Best Poster award	\$250
TOTAL:	\$1,500

**BSA Genetics Budget Request for Botany 2021:
prepared by Ingrid Jordon-Thaden, Chair, Nov 1, 2020**

BSA Genetics Section Budget Request

Item	amt per	# given	Requested
Genetics Section Student Travel Awards	\$ 500.00	6	\$ 3,000.00
Margret Menzel Best Genetics Talk Award (grad or early post-doc)	\$ 500.00	1	\$ 500.00
Best Genetics Poster Award (under or grad)	\$ 250.00	1	\$ 250.00
AMOUNT REQUESTED FROM BSA			\$ 3750.00

Balance of Genetics Section Account - March 2021			\$ 4121.08
Botany 2021 awards (Menzel)			\$ -500.00
Approximate balance after Botany 2021			\$ 3621.08

Justification

- The Genetics Section has over 350 registered members, organizes four topical sessions (Comparative Genomics and Transcriptomics, Hybrids and Hybridization, Population Genomics/Genetics, Functional Genetics) split into three morning and three afternoon sessions each meeting, and supports awards for student travel and posters, as well as the prestigious Margaret Menzel Award.
- In recent years, paying for the various awards given by the section (Menzel, Student Poster, Travel, and Graduate Student Research) has exceeded our income from dues. In 2014, we increased dues from \$5 to \$10, and in 2019, we voted to double the dues from \$10 to \$20. We hope these increases will be sufficient to support future travel and presentation awards, but we ask the Society to assist us with this year's awards so that we can rebuild our account balance to support future awards as well as other functions (e.g., Genetics Section mixers at future meetings).
- In a typical year, we have ~20 excellent student applicants for travel awards, ~70 applicants for the Menzel award, and ~20 applicants for the poster award.
- Assuming Botany 2022 will be held in person, travel to Anchorage will be prohibitively expensive for many students. Therefore, we would like to prioritize assisting students with travel expenses and request \$3,000 to offer six Student Travel Awards of \$500 each.
- Additionally, we request \$750 to cover the award amounts for the Margaret Menzel Award and Best Student Poster Awards. The Genetics Section bylaws state that the Menzel Award for best talk be given each year in her memory. We have suspended the poster award for the past two years, but feel it is important to resume it for the upcoming meeting.
- On the recommendation of the BSA, and to help build our account balance, we have suspended our Graduate Student Research Awards.

PROJECT TITLE:

Funding for Research and Travel Awards - Physiology Section, 2022.

Total project cost: \$3,000.

Amount requested: \$2,500.

Time period for implementation: January-July, 2022

Background: This year, with Botany 2022 being held in Anchorage, Alaska, and the pandemic still threatening society, we can anticipate that few might decide to attend our conference in person due to the cost of travel to Anchorage and the continuing risk of COVID. In the past, the Physiology section has offered only small awards for the best student posters and oral papers, even when augmented by LI-COR Prize funds. To my knowledge, the Physiology Section has never had funds available for students and postdocs to travel to Botany conferences. This is a proposal to attract high quality student and postdoctoral participants to present their physiology or ecophysiology research in person in a session sponsored by the Physiology Section at Botany 2022.

PROJECT DESCRIPTION

Goal: Increase participation of students and postdocs at Botany 2022.

Objectives:

- I. Increase award amount of the Best Student Poster and Best Student Oral Paper to \$250 each.
- II. Provide four travel awards of \$500 each to students or postdocs who plan to attend Botany 2022 in person.

Outputs: Increased interest among students and postdocs in presenting their research in Physiology at Botany 2022.

Activities:

- I. Make members of the Physiology Section aware of the enhanced student awards and of the availability of travel grants for students and postdocs. January, 2022.
- II. Solicit applications for the travel grants. January, 2022.
- III. Organize judges for best student posters and oral papers. April, 2022.
- IV. Travel grant applications due; successful awardees chosen. May, 2022.
- V. Botany 2022; funds dispersed at close of conference. July, 2022.

Beneficiaries: The BSA as a whole, and the Physiological section in particular will benefit by encouraging, embracing and mentoring young professionals.

Reporting: The results of these activities will be included in the Physiology Section Annual Report.

Budget:

Item	Requested from BSA	Not Requested
Best student poster & paper; 2 @ \$250 each	\$500.	
Best student poster & paper using LI-COR equipment; 2 @ \$250 each (will be requested from LI-COR Corp.)		\$500.
Student / Postdoc travel awards; 4 @ \$500 each	\$2,000.	
Total	\$2,500.	\$500.

Grand total = \$3,000.

Submitted by Dr. Arthur G. Schwarz, Section Chair, Physiology.

Phytochemistry Section Fund Request
October 27, 2021

The Phytochemistry section would like to request funding from the BSA in order to achieve the following at Botany 2022: 1) **student travel awards**, 2) the first ever **social event for members** of the section, and 3) **best talk and best poster awards**. Our section was reinstated to BSA in 2021 and we feel that these awards and social events provide a path to attendance that might not otherwise be available for a new section. As we see an increase in our membership and attendance in our Phytochemistry Colloquium, we would like to continue to support early career members by providing funding to attend the Botany meeting and participate in our section.

As Phytochemistry was inactive until 2021 and since Botany 2021 was a virtual conference, we did not offer student travel awards previously. Our paid membership is also just beginning to increase as we continue our outreach efforts. In our first Colloquium in Botany 2021, we had 25 speakers and ~40 participants in our colloquium and sessions. Since the meeting, we have also initiated a virtual biweekly seminar series called PhytochemTalks (<https://phytochemtalks.github.io/>) whose first seminar on Oct 15th was attended by 36 researchers from North America and Europe. With increasing recognition, visibility and participation, we expect greater interest in members attending the Botany 2022 meeting. Thus, this year, we would like to offer **\$500 per award for three students** to defer the financial costs of travel to the meeting in Alaska. We hope these awards will be more inclusive for members of our community and broaden awareness and participation in the newly active section.

The new Phytochemistry section is home to a broad array of researchers interested in plant physiology, biochemistry, biochemical genomics, metabolic evolution, biotic interactions, chemical ecology and medical ethnobotany. Having this section at BSA not only provides a home to many existing society members and encourages more phytochemists to join BSA, but also provides **networking and recognition opportunities** for students working in this field. We would like to offer two **\$100 best talk and poster awards** in our section in Botany 2022 to further encourage participation in this new and exciting section. Towards this goal, we are also requesting **\$500** for our first section social event.

With the relaunch of the Phytochemistry section in Botany 2021 we saw a critical group of plant science researchers reengage in topics that closely aligned with their research interests, and who may not have been as well served before in other sections. We anticipate increased participation in the Botany 2022 meeting and would like to support this participation through our budget request. With this budget request, we will continue to support young members of our section attending the meeting and build a supportive community that fosters collaborations.

Budget

3 Student Travel awards @ \$500	\$1500
2X Phytochemistry section Best Poster Awards	\$200
2X Phytochemistry section Best Talk Award	\$200
Phytochemistry section social event	\$500
TOTAL:	\$2400

Proposal for Additional BSA funding for the Pteridological Section for Botany 2022

Prepared by Alejandra Vasco (Chair) and Tom Ranker (Secretary-Treasurer)

The BSA Pteridological Section aims to bring together researchers and students interested in ferns and lycophytes. During the annual Botany meetings, the Pteridological Section co-organizes and co-sponsors all the fern-related activities and awards with the American Fern Society (AFS). These activities include generally, an overnight fern-focus field trip, the organization of the Pteridological Section contributed talks, sponsorship for fern-related colloquia, and the AFS Luncheon and Society meeting on Monday.

Particularly the Pteridological Section provides money for the Annual Wherry award (given for best oral presentation in the Pteridological section or related colloquia and/or symposia at the annual meetings), and for travel awards both for students and for speakers at sponsored colloquia.

Although the Pteridological Section finances are healthy (we have about \$6,000 in our account now), the Section has been spending faster than it has taken in money. Though we have doubled the Section dues and encouraged donations, we have also been very successful in developing strong fern-related colloquia, which lead to greater funding support for promising students who participate in them.

At the Pteridological Section, we are delighted to see the increase in interest about ferns and lycophytes from students and researchers worldwide and would like to solicit additional BSA funding to help broaden the participation of students from diverse backgrounds. We are specifically asking BSA for money to offer six travel awards to attend the annual meetings and participate in the Pteridological Section-AFS sponsored activities, and a specific award of \$500 to cover some of the fern field trip expenses for 1-2 students, depending on the final field-trip cost. Our budget below details the amount we are soliciting for each of the awards and the target participants. Students awarded with BSA general funds will be funded by the Pteridological Section to attend the AFS luncheon.

Budget

This budget assumes the Botany 2022 meetings will be held in person in Alaska.

Type of participant	Number of awards	Amount	Total
US undergrad student	2	\$500	\$1000
Graduate Student	4	\$500	\$2000
Student field trip award	2	\$250	\$500
Total Requested			\$ 3500

The PUI Botany section requests funding from the Botanical Society of America to achieve the following at Botany 2022:

The Primarily Undergraduate Institution (PUI) section of BSA is a relatively new section (established 2019) to support current and future faculty at PUI institutions. PUIs are defined as colleges and universities that award fewer than 20 Ph.D. degrees in all NSF-supported fields during a two-year period. PUIs range from community colleges, to private liberal arts institutions, to smaller public institutions. While we are a young section, we are also relatively large, with 217 active members as of October 2021. To date, the section's events have focused on professional development unique to PUI faculty (e.g., establishing an undergraduate-focused research program) and future faculty (e.g., preparing application material for PUIs). Since many of our members are the only 'plant person' at their institution, another goal of the section is to establish a community of plant-focused faculty at PUIs. Unfortunately, the pandemic has restricted our ability to build such a community due in part to the extra workload carried by many of our members and the lost opportunities for in-person networking. Nonetheless, the desire to develop these networks remains strong among our constituents, as evidenced by high participation (>30 attendees) in our 2021 Botany workshop, even when fully remote. **We view the 2022 Botany meeting as a critical time and place to rebuild and strengthen the community amongst our members.** To achieve this goal, we are planning to host three events at Botany 2022 (two more than in previous years) that target the varied needs of our members at a range of professional stages, including a half-day workshop, a career panel, and an informal social.

As a relatively young section with low dues, we have limited funds to support our planned Botany events and thus request additional BSA funds. **The majority of our request is to support a half-day workshop focusing on establishing and maintaining an inclusive PUI research lab.** We believe this workshop is well-aligned with the [BSA's Strategic Plan 2021](#) goals related to 'Human Diversity, Equity and Inclusion,' by helping our members recruit, retain, and promote a diverse and inclusive community of botanists. In addition, fostering a successful undergraduate research program is a common goal for nearly all members. In our 3-year history, we have already offered BSA workshops focused on mentoring undergraduate research (2019) and restarting research programs post-pandemic restrictions (2021). For our proposed 2022 workshop on creating an inclusive lab research environment, we plan to invite an established scholar to present best practices for creating and maintaining an inclusive and antiracist lab group. We are reaching out to a few individuals to serve as the workshop speaker and leader. Workshop attendees will also have time to review example lab codes of conduct and work to create (or revise) their lab's document. **We request funds to support the travel, registration, and a modest honorarium for this inclusivity scholar.**

Given the limited conference-related funding available for most of our members through their home institutions, we want to keep the cost of attending this workshop as low as possible. We hope to avoid charging an additional fee to attend this workshop so that our members can benefit from this professional development opportunity without needing to consider an additional financial burden. **Thus, we are also requesting funds to support workshop attendees.** First, we are asking for funds to provide breakfast for 30 workshop participants. Second, we want to provide **travel funding (\$250) to support ten current PUI PIs** to help offset the cost of traveling to Alaska for the workshop and meeting. We envision that these travel funds can be used at the discretion of each PI to maximize the impact of funds available from their home institution. However, we will prioritize PIs with limited institutional funding, or their institutional funding is dependent on student participation. **We realize that \$250 will only cover a small fraction of the cost to attend Botany 2022 in-person; therefore, we are also working on a larger conference proposal to NSF.** To date, we have contacted the NSF Program Officer, received an example conference proposal from ASPB's PUI section, and started drafting our proposal. If our proposal is successful, we will be able to defer costs for many of our members.

The funds requested here will be used as matching funds and will demonstrate to the NSF Program Officer BSA's support of the proposal. We also plan to advertise BSA's professional travel awards and encourage our members to apply for them.

To help re-establish connections among PUI and PUI-curious folks, we are planning an informal social open to all members and individuals interested in botany at PUIs. In-person networking at the annual Botany meetings away from the distractions of the home and computer screen can foster learning and new collaborations. To encourage such networking, we will set up two networking tools for all participants at our mixer. First, we will display a large map where participants can add their names and locations to see their PUI geographic neighbors. Second, we will have a "concept map" where participants can indicate their subject-area interests and easily see PUI faculty and future faculty with similar research interests. **We plan to use section funds to support the mixer.** As of October 2021, we have \$1263 in the section account. We anticipate receiving at least \$300 in dues from the 2022 renewal season. Given the importance of re-establishing connections between our members, we plan to use about half of our available funds for this networking mixer. Finally, we also plan on hosting a PUI career panel at Botany 2022, likely in collaboration with the new Early-Career section. Currently, we don't anticipate significant costs associated with this panel and plan to cover the cost of beverages and a small gift for the panelists from the section funds.

Thank you for considering our request, and please reach out if you have any questions.

PUI Section Committee:

Co-chairs: Jennifer Ison (College of Wooster) and Nathan Jud (William Jewell College)

Program Coordinator and Vice-chair: Carrie Wu (University of Richmond)

Treasurer and Secretary: Stephanie Lyon (University of Wisconsin- Stevens Point)

Graduate student/Postdoc Representative: Rachel McCoy (Purdue University)

Category	Item	Per capita	Costs
Inclusivity scholar	Honorarium		\$300.00
	Conference registration		\$450.00
	Airfare		\$600.00
	Lodging (2 nights)		\$460.00
Food†	Breakfast for 30 participants and the speaker	\$16/person*	\$496.00
Travel awards	PI supplemental travel awards (for 10 PUI PIs)	\$250/person	\$2500.00
Total Request			\$4806.00

† We anticipate contributing \$750 from section funds towards food and drink for 50 attendees at the section mixer (\$8/drink and \$7/individual snack for each attendee*)

* Prices are based on current conference center menus.