

2023 Genetics Section Report to the BSA Council Submitted by Jeremy Coate, Chair, July 17 2023

2022 Activities:

Botany Meeting, 2022

The section received 30 posters and 91 oral papers organized into four sessions:

Comparative genomics/transcriptomes (7 posters; 35 oral papers)

Population genetics/genomics (11 poster; 36 oral papers)

Hybrids and hybridization (4 posters; 7 oral papers)

Functional genetics/genomics (8 posters; 13 oral papers)

Margret Menzel best paper award: 51 talks were submitted for consideration, and the award was given to Caroline Dowling (PhD student at University College Dublin, Title: It's Been a Long Day: Uncovering the genetic control of flowering in *Cannabis sativa*).

Genetics section poster award: Poster awards were suspended again during botany 2022 due to potential complications with a hybrid conference.

Genetics section finances:

The section submitted a funding request to BSA in October 2022, for a total of \$2,000 to support 4 travel awards (\$500 each). The BSA Board approved supporting the Genetics section with one \$500 student travel award. The section decided to support one additional travel award (in addition to the Menzel Award) from existing funds. The Genetics section account balance was \$4,408.45 at the end of September, 2022.

Genetics section business:

Menzel Award

Formalized the criteria for consideration as follows: PhD candidate* to 2 years post-PhD (*typically meaning you having completed required coursework and passed a qualifying exam)

Recruiting new committee members

Decided to expand the executive committee to include two each of Chair, Vice-Chair and Secretary/Treasurer. Sent out a call for volunteers to serve on the committee on March 31, 2023 and a follow up message on July 5, 2023.

A Genetics Section Business meeting is scheduled for Tuesday, 7/25/23 at the conference in Boise (with a Zoom option) at which we will elect new committee members.

2022-2023 Activities:

The Section is supporting 1 symposium in name:

Whole genome duplications and impact on angiosperm character evolution

The section received 36 posters and 65 oral papers for the 2023 Botany Conference:

Comparative genomics/transcriptomes (7 posters; 20 oral papers)

Population genetics/genomics (22 posters; 22 oral papers)

Hybrids and hybridization (3 posters; 16 oral papers)

Functional genetics/genomics (4 posters; 7 oral papers)

Margret Menzel best paper award: 26 talks were submitted for consideration.

The section supported two student travel awards (\$500 each), which were awarded to Samantha Drewry and Uzezi Okinedo.