

Annual Report for the Developmental and Structural Section, 2022

1. We awarded Sectional Student Travel Awards of \$500 plus student registration to each of four students who submitted an abstract to the Developmental and Structural Section and are attending the Botany 2022 meeting in person.
 - a. Vandana Gurung “The curious case of CUC in corolla tube formation in *Mimulus*”
 - b. Deannah Neupert “The evolution of structural novelty: A morphological analysis of development in *Mimulus* and its implications for plant architecture and reproduction.”
 - c. Cesar Galan “Epidermal morphology of the subfamily Athrotaxoideae (Cupressaceae)”
 - d. Sarita Munoz-Gomez “Creation of novel pigmentation patterns in monkeyflowers (*Mimulus*)”

2. Cheadle Awards of \$500 each were given out to five students who submitted an abstract to the Developmental and Structural Section and are attending the Botany 2022 meeting in person.
 - a. Brandi Zenchyzen, “Exploring nectary diversity in Cleomaceae”
 - b. Kelly Pfeiler “Anatomically preserved cheirolepidiaceae pollen cones from the Cretaceous of western North America.”
 - c. Keana Tang “Crown group Lauraceae in the Late Cretaceous: new evidence from fossil flowers”
 - d. Elizabeth Wilson “Revising the description and diagnosis of the Late Pennsylvanian medullosan *Neuropteris lindahli* White based on new fossil material.”
 - e. Ben Ajayi “Dumpsite After Effects on Structural and Functional Integrity of Three Crop Weeds.”

3. The 2022 Kaplan Dissertation Award was given to Yesenia Madrigal Bedoya from the University of Antioquia in Colombia, mentored by Natalia Pabon-Mora for her work on “A Morpho-anatomical characterization of the vegetative-to-reproductive meristematic transition in terrestrial and epiphytic neotropical orchids.”
 - a. Please encourage your mentees who have passed their qualifying exam to apply for this award.

4. The program director (Rob Baker) reported that Botany 2022 will have a total of 18 posters and 36 contributed papers from the Developmental and Structural Section. We no longer define contributions into “Anatomy/Morphology” and “Evo-Devo” categories, but instead abstracts are submitted to the Developmental and Structural Section at large. We sponsored two symposia: (*Tackling coloniality in plant sciences: Legacies and paths forward & Black Botanical Legacy: Fostering a Community of Equity in Botanical Sciences*) and one colloquium (*Innovation and Novelty in the Evolution of Plants*) for Botany 2022.

5. The financial shape of the section is consistent with the previous year, which is sound, although the value of investments is still being calculated. Certainly some of the gains during 2021 have been reduced this year. Membership increased from 296 the previous year to 299 current members who have Developmental and Structural Sectional Affiliation. At the end of the 2020-2021 financial year, we had a sectional cash balance of \$70,947. The balance to date (29 June 2022) is \$87,553 in D&S sectional accounts and \$33,403 in the Cheadle account. Additional financial information is detailed in the table below.

Type	Funds within BIP	Committee affiliation	Description	FY2019	FY2020	FY2021	FY2022
Sectional Account	D&S Section	D&S Section	Section funds (dues/donations) - used for business meeting food, sectional needs, etc.	\$12,718.53	\$11,535.29	\$10,769.49	\$13,861.08
Sectional Awards	D&S Student Travel Awards	D&S Section	Student travel award fund; used to distribute varying amounts of travel awards.	\$12,175.15	\$26,355.15	\$29,357.98	\$34,820.18

Sectional Awards	Katherine Esau Fund	D&S Section	This award was established in 1985 with a gift from Dr. Esau and is augmented by ongoing contributions. It is given to the graduate student who presents the outstanding paper in developmental and structural botany. Distributes \$500 each year.	\$24,968.12	\$25,338.12	\$25,168.37	\$30,146.36
Sectional Awards	Maynard Moseley Fund	D&S Section	The award is given to the best student paper, presented in either the Paleobotanical or Developmental and Structural sessions; established in 1995 to honor Moseley.	\$6,080.91	\$5,840.91	\$5,651.80	\$8,724.89
BSA Restricted Fund	Vernon I Cheadle Fund	D&S Section	The Botanical Society of America, in conjunction with the Developmental & Structural Section offers up to four (4), \$500 Vernon I. Cheadle Student Travel Awards. Awards are available to undergraduate and graduate students who will be attending and presenting a paper or poster at the annual meeting of the Botanical Society of America.	\$20,859.96	\$22,914.96	\$25,651.01	\$33,403.41

6. This is Jessica Budke's third year as chair, Rob Baker's first year as program director, and Andrew Doust's third year as the secretary-treasurer of the section. We held elections last year for a new program director (Rob Baker) and secretary-treasurer (Lena Hileman starting in 2022). We are now back on a rotation where we will elect one new sectional officer every year.
- a. Next year we will have elections for a new chair of the section. Please consider nominating yourself or a colleague.

Sincerely,

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 Botanical Society of America
 Associate Professor, University of Tennessee

R. Baker, Ph.D.
 Developmental & Structural Section Program Director,
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A.N. Doust, Ph.D.
 Developmental & Structural Section Secretary and Treasurer,
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