

Annual Report 2022-2023

NAPB Education Committee

2022-2023 Leadership

Chair - Kevin Falk

Co-Chair - Valerio Hoyos-Villegas

Secretary - Lance Merrick

Past Chair - Amanda Hulse-Kemp

In 2022, the Education Committee received four nominations for the position of secretary: Lance Merrick, Joshua Anderson, Sumandeep Bazzar, and Clayton Carley. Each nominee wrote a campaign page, which was compiled and circulated to the greater committee. The voting resulted in a four-way tie, requiring a tiebreaker that led to Lance Merrick's selection. Due to the high level of interest, the committee decided to keep Sumandeep, Clayton, and Joshua on the team and assigned them specific roles. Joshua focused on facilitating webinars, Sumandeep became the liaison to other sub-committees such as communications and membership, and Clayton focused on social media management (LinkedIn, YouTube).

The committee organized several educational webinars during the year on the following topics:

- Cracking the Art of Data Management
- Breeder Simulation Tools: AlphaSimR and the breeder's equation
- Genomic Selection: An Industry Perspective (in collaboration with the Commercial Plant Breeding Committee)
- Analytical Breeding Tools: FieldHub (part 1), MrBean (part 2)
- Upcoming webinar: Multi-Environment Genomic Selection with Osval Montesino Lopez of CIMMYT
- Upcoming webinar in collaboration with the Africa Plant Breeding Association
- Upcoming webinar: PlotVision

Through the 2022-23 webinar series, the Education Committee, GSWG, Commercial Committee and other committees have successfully addressed critical topics equipping plant breeders with the knowledge and skills needed for their work. All the webinars were well attended, and recordings of these sessions were posted publicly on the NAPB YouTube channel. The Education Committee also coordinated the uploading of NAPB content from all subcommittees onto the channel. Additionally, the committee had access to the NAPB Zoom account and regularly downloaded saved webinars, which were then uploaded to YouTube. The YouTube channel continues to grow and is up to 6.85k subscribers

The Education Committee met on a monthly basis, specifically on the first Thursday of each month. To ensure data preservation, all committee materials were stored in the NAPBeducation@gmail.com account. The login credentials for this account will flow through the leadership as new members are elected. Meeting minutes were shared as living Google Docs, visible to all during monthly meetings, allowing all attendees to add comments in real-time. The committee also implemented an Action Register, which is a color-coded living document in Google Sheets.

The committee successfully facilitated the scientific poster competition at the NAPB 2022 meeting held at Iowa State. We had over 150 posters submitted. Efforts were made to automate the process, including online scoring and advanced statistical analysis using Unix code written by Amanda. As part of the competition, presenters were required to create a 2-minute highlight video, which judges were encouraged to watch prior to the competition to familiarize themselves with the research and generate questions. The 2023 poster contest

has been organized, and efforts continue to automate the process as much as possible. The Secretary (Lance) coordinates the student/participant aspect, while the Co-Chair (Valerio) handles the coordination of judges and scoring. In response to feedback received from participants and judges, we removed the video component for 2023. In 2023 we made a change to student speaker selections. In the past the committee has read through abstracts of attending participants to select speakers that would fit the theme. We've transitioned to inviting the previous years' poster winners to speak at the current conference. This is similar to what the NAPB award winners, who are invited to speak and the following conference.

Below are the scientific poster winners of 2022:

2022 NAPB Scientific Poster Competition Winners

Carley Clayton	PhD	1st Place	\$400
Sarah Jones	PhD	2nd Place	\$300
Vinavi Gamage	PhD	3rd Place	\$225



Tony Schuh	MS	1st Place	\$300
Autumn Brown	MS	2nd Place	\$250
Camila Manriquez	MS	3rd Place	\$200



Leonardo Volpato

Early Career

EC Award

\$300



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The Education Committee's 2022-2023 activities have demonstrated our commitment to providing valuable educational resources and fostering engagement within the NABP community. As we move forward, we are dedicated to expanding our reach, enhancing our offerings, and equipping plant breeders with the knowledge and skills needed to drive innovation and address global challenges.