

Why AG2P Research is Important

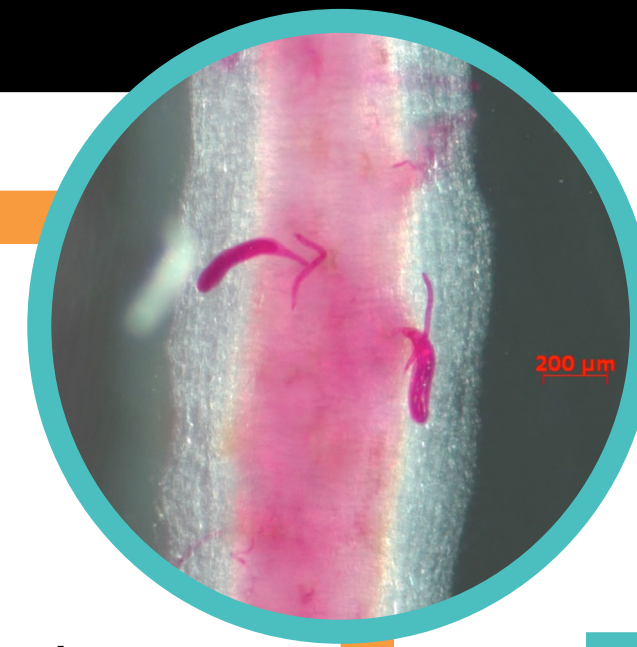
The genetics and genomics of crops and livestock have more in common than they do differences. However, those conducting the research generally collaborate with others working on closely related species rather than those working in dissimilar systems. There are research and breeding procedures that could work across plant and animal species. Data access and storage needs may be managed similarly. Artificial intelligence and machine learning could be applied likewise across these research communities. Sharing this information between the plant and animal kingdoms can eliminate redundancy, streamline the research process and reduce associated costs, thus improving the entire research pipeline.

Activities for Connections

The AG2PI team hosts activities for a broad range of researchers to connect to and learn from one another.

- **Virtual Field Days:** Held on the third Wednesday of each month. Topics range from sharing research methods, approaches, capacities and identifying research challenges.
- **Workshops:** Virtual in-depth studies to help researchers from different backgrounds build knowledge, vocabulary, and technical expertise across disciplines. The workshops range from a single event to multi-sessions, depending on the topic. Workshops often have limited participation so it is important to register early!
- **Conferences:** held to identify gaps in knowledge, infrastructure, protocols, coordination, and opportunities within the G2P communities. These focus will be on topics that cross species boundaries such as cyberinfrastructure, bioinformatics, imaging, statistics, data storage, sharing and re-use.

Sign up for our mailing list to receive information about these events.



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AG2PI connects crop and livestock scientists to each other and to scientists working in data, statistics, engineering and social sciences to identify shared problems and collaborate on solutions in genome-to-phenome science.



www.AG2PI.org

Seed Grant Program

AG2PI awards seed grants that connect existing communities to jointly address shared research needs and opportunities as well as to identify gaps in physical infrastructure and data management.

AG2PI awarded seven seed grants in Spring 2021 with two additional rounds of awards planned for September 2021 and Spring 2022. Funding will prioritize projects that promise AG2P cross-kingdom work, are collaborative, and promote one of the following four areas:

1. data sharing and storage,
2. cross-fertilization of ideas,
3. educational resources or training,
4. ethical, legal, social, ecological & economic perspectives.

These awards are offered at three tiers:

- I. Emerging ideas (up to \$20,000)
- II. Early development of promising projects (up to \$50,000)
- III. Established projects (up to \$75,000).

To learn more about criteria, topic areas, submission guidelines and deadlines, go to the seed grants page on the AG2PI website: www.ag2pi.org/seed-grants.

We Need Your Input!

To help direct the future of genome-to-phenome science, please complete our survey. The answers you provide will inform the AG2PI project's vision. Scan the QR code to connect to the survey.



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