

Biomaker Challenge



Online Briefing and Mixer | 16th November | 17:00

Free hardware and funding up to £1000 for
interdisciplinary projects at the intersection of
biology, electronics, and low-cost, open technology

REGISTER: bit.ly/biomaker2020 WWW.BIOMAKER.ORG

The OpenPlant Biomaker Challenge is a five-month programme challenging interdisciplinary teams to (i) build low-cost sensors and instruments for biology or (ii) develop a biological resource or outreach project.

Timeline

16th NOV 2020 Briefing and Mixer	6th DEC 2020 Call Closes	11th DEC 2020 Receive Kits and Initial Funding	DEC-JAN Initial Project Development	29th JAN 2021 Project Report and Pitch for Follow-on Funding	JAN-APR Advanced Project Development	APRIL 2021 Final Report and Exhibition

This challenge is a great opportunity to learn new skills, collaborate with an interdisciplinary community and develop tools and resources that are useful for real-world applications.

Participants are provided with training, hardware and funding. Tools and resources developed must be openly documented and made freely available.

How to Get Involved

Join us on 16th November for the 2020 Biomaker Online Briefing and Mixer event. In this session, you will have the chance to find out more about the challenge, learn about previous Biomaker projects, meet like-minded individuals from Cambridge, Norwich and beyond, and start to put together a team to develop your own Biomaker project.

Eligibility

- Primary applicants should be students or staff at the University of Cambridge, the John Innes Centre or the Earlham Institute, Norwich.
- External team members are welcome.
- Teams can be any size, including individuals if all other eligibility criteria are met.
- Interdisciplinarity within the team is a judging priority.
- Teams which span Norwich and Cambridge are highly encouraged.
- All proposals must lead to a publicly documented and open hardware design and prototype which demonstrates interdisciplinary thinking.
- The discretionary budget can only be spent on hardware, materials, consumables and biological reagents.

What Will Participants Receive?

All participants will receive a Biomaker Expansion Kit, including an Arduino board and a kit of useful hardware and sensors. Each team will also be provided with additional hardware including a programmable touch screen and chassis building kit, worth up to £200. In addition to this hardware worth up to £200, each team will receive an additional £800 funding, with potential follow-on funding of £2000. Training and support will also be available for all participants.



Biomaker Expansion Kit



Training Materials and Support



Additional Hardware



Funding