

Earlham Institute

Wheat research - using the collective expertise from the Park and the importance of this crop as the focus.

[Impact Story: Improving genetic resources for wheat breeding](#)

[Designing Future Wheat | John Innes Centre](#)

[Meet the Norwich researchers working to save our daily bread](#)

Aquaculture - overtaking traditional line fishing practices and a critical source of protein for communities without coastal access. The genomic resources being developed are critical as we deal with the impact of climate change on water scarcity and quality.

<https://www.earlham.ac.uk/impact-story-improving-aquaculture-genomics-resources-breeders>

Air-seq - technology with a wide range of potential applications, from detecting airborne crop pathogens to use in hospitals or transport hubs to detect harmful microbes in the air.

<https://www.earlham.ac.uk/articles/skys-limit-new-air-sequencing-technology>

Trait-seq - now a spin-out company but of potential interest as it uses machine learning approaches to help crop breeders to identify traits of interest.

<https://traitseq.com/>

Engineering biology - may be one for JIC and TSL to lead on but we can contribute in terms of the use of engineering approaches to get plants to make more of naturally occurring molecules that are valuable

<https://www.earlham.ac.uk/articles/automatic-systematic-how-biofoundry-can-scale-your-science>

Global map of key partner collaboration/projects - perhaps a resource we can create to show how international our science is already, and ways you can connect with our network and not just the organisations in this region

Technology platforms available - list of the various technology platforms that are accessible to people via the institutes on the NRP. Many of these can be used for collaborative or contract research opportunities.

Key contacts:

Greg Bowker, Head of Communications

Greg.Bowker@earlham.ac.uk

Liliya Serazetdinova, Head of Business Development & Impact

Liliya.Serazetdinova@earlham.ac.uk