



PCGIN 2024 Stakeholder Meeting

Thursday, 15th February 2024 (13:00 – 16:30)

The PCGIN 2024 stakeholder meeting will be held as an in-person meeting at University of Reading.

Enquiries by email to: leigh.newby@jic.ac.uk

Please register for the meeting via this link:

<https://jic.link/PCGIN-15Feb2024>

The meeting has been registered for Basis points.

The PCGIN 2024 stakeholder meeting will present an overview of scientific progress and opportunities within the context of genetic research on UK pulse crops. Beyond PCGIN, it considers new approaches to tackling biotic threats to pulses, engaging with colleagues outside UK. Industry perspective talks are planned to cover future market opportunities and breeding objectives which are relevant to a changing climate and enhanced sustainability of agriculture.

Final programme

Session 1

Chair: David Lloyd, Germinal

13:00 Welcome, PCGIN and industry perspective, introduction to the programme (David Lloyd, Germinal)

13:05 Introducing the network and the resources it delivers (10 minutes each)

- Genomic and genetic resources for enhanced disease resistance in pea (Sanu Arora, JIC)
- Toolkits for enhanced disease resistance in faba bean (Tom Wood, NIAB)
- Enhancing seed quality traits through genetics (Ahmed Warsame, JIC)
- Extended genetic diversity in faba bean (Donal O'Sullivan, Reading)
- PCGIN 10-year review (Andrew Thompson, Cranfield)

14:10 Perspectives for PCGIN 2024 and beyond (18 minutes each)

- The war against bruchids – genetic resistance? (Nadim Tayeh, INRAe)

- Crop diversification and the agronomic and environmental benefits (Christine Watson, SRUC)
- Successful gene editing in pea (Pankaj Bhowmik, Saskatoon, Canada)

15:10 Tea/ coffee break

Session 2
Chair: Simon Berry, Limagrain

15:25 Industry perspective, future breeding challenges & discussion (10 minutes each)

- Pulses for the future – protein crops which fix nitrogen (Paul Billings, Openfolde)
- Yield enhancement factors for pea and faba bean (Charlotte White, ADAS)
- The rise of novel and healthy food uses for pea (Chris Harrison, Novofarina)
- Novel and sustainable industrial products (Luke Browning, Xampla)

16:10 Highlights from students & early-career researchers (4 minutes each)

- Neglected legume crops (Nadia Radzman, SLCU)
- Early detection of root disease organisms (Alba Pacheco Moreno, JIC)
- Crop sensing and machine learning (Leah Howells, PGRO)
- Natural and induced variation in seed phytic acid in faba bean (Callie Rice, UoR)

16:30 Meeting close