

UK Brassica Research community annual meeting

23rd November 2021

West Common, Harpenden, Hertfordshire, AL5 2JQ (Conference Centre)

Agenda

9:00 **Welcome**

Rachel Wells (John Innes Centre) and **Lenka Havlickova** (University of York)

9:10 **Tom Bennett** (University of Leeds) Understanding Reproductive Architecture in *Brassica Napus*

9:20 **Henrik Stotz** (University of Hertfordshire) Pre-breeding for commercial development of sustainable traits – quantitative resistance against *Pyrenopeziza brassicae*

9:30 **Neil Graham** (University of Nottingham) Magnesium and calcium overaccumulate in the leaves of a *B. rapa* mutant

9:40 **Rui Guan** (Rothamsted Research) Genome editing and regeneration of *Brassica napus* protoplasts

9:50 **Penny Hundlebey** (John Innes Centre) Update on *Brassica* Transformation

10:00 **Jovaras Krasauskas** (John Innes Centre) Engineering ion flux of the stomatal complex for enhanced photosynthesis and water use efficiency

10:10 **Jessica Hughes** (John Innes Centre) Novel assay for screening *Arabidopsis thaliana* for cabbage stem flea beetle feeding preferences

10:20 Short break

10:40 **Sam Warner** (John Innes Centre) Role of bud dormancy in flowering time control in winter oilseed rape, and its association with yield stability

10:50 **Mollie Langdon** (Rothamsted Research & University of Bath) Exploring the role of ARF2 in controlling seed size in *Brassica oleracea* using genome editing

11:00 **Yongju Huang** (University of Hertfordshire) Current understanding of phoma stem canker and light leaf spot on oilseed rape in the UK

11:10 Brassica community resources update (various)

11:30 Election of next UK BRC representatives & open discussion

12:00 End