Amphacademy 2019

Agenda

Amphacademy - Thursday Sept 19, 2019

08:15 – 09:00	Registration and Coffee
09:00 – 09:15	Welcome
09:15 – 09:45	Presentation: «IFC-Concepts for DH Protocol Development and Optimization» Dr. Iris Heidmann - Acepo
09:45 – 10:15	Coffee Break
10:15 – 11:00	Keynote: «Impact of Pollen Quality on Seed and Yield Production» Rijk Zwaan Case Study by Dr. Ewa Shreepaathy and Dr. Marco Di Berardino
11:00 – 11:45	Open discussion: Overcoming Sampling Bias in Pollen Quality Monitoring
11:45 – 13:30	Lunch
13:30 – 14:00	Presentation: «Amphasoft 2.1.6 – New Features and Implications» Dr. Periklis Sochos - Amphasys
14:00 – 14:30	Presentation: «Pollen Viability in Hazelnut: Best Practices, Preliminary Results and Perspectives»	Lorenzo Ascari – University of Turin
14:30 – 15:00	Coffee Break
15:00 – 15:45	Breakout Sessions Part 1	For more details see the Overview
15:45 – 16:00	Conclusion and transition to social event
16:00 – 22:00	Social Event

Amphacademy - Friday Sept 20, 2019

08:15 – 08:45	Registration and Coffee
08:45 – 09:00	Welcome & Introduction
09:00 – 09:45	Breakout Sessions Part 2 | For more details see the [Overview](#)
09:45 – 10:00	Short Break
10:00 – 10:45	Breakout Sessions Part 3 | For more details see the [Overview](#)
10:45 – 11:00	Short Break
11:00 – 11:45	Breakout Sessions Part 4 | For more details see the [Overview](#)
11:45 – 12:00	Conclusion & Farewell Apéritiv

A series of five simultaneous breakout sessions of 45 mins offer insight into specific topics and enable you to discuss and reflect individual experiences in small groups.

Breakout Sessions Part 1   is held Thursday Sept. 19, from 15:00 – 15:45
Breakout Sessions Parts 2-4 are held Friday Sept. 20, from 09:00 – 11:45

Amphacademy – Overview Breakout Sessions

Session Name	Outline of Content
How to measure big pollen	In this session, we will introduce the new 400 µm Amphasys G-Chip and the corresponding templates. Learn what is important when preparing samples of large pollen and practice the use of large filters and funnels. We will do measurements and look at data analysis.
Hands-on measuring	Practice sample preparation, measurement and data analysis together with the Amphasys experts. You will create several cell suspensions, filter them and determine cell viability and concentration. In addition, we will investigate the effect of a heat treatment to the sample.
Pollen counting	Discover the pollen counting feature on the Ampha Z32 and gain hands-on experience. We will have a look at different practical examples: pollen shed using traps, pollen per anther and pollen on stigma after manual pollination. Furthermore, you will learn how to prevent sedimentation.
Data analysis	In this workshop we talk about obtaining the desired results from the AmphaSoft scatterplots. Do you know how to identify debris and air bubbles? What is the meaning of additional cell populations besides viable and dead cells? How can you optimize your template to facilitate the analysis? And which advanced data analysis options are available? Come and have a look!
Quality control in the pollen supply chain	In this session, we will visualize an example pollen supply chain - from collection to pollination and show examples of where the technology can be applied, e.g. Determination of collection time point, optimization of storage, quantification of cells on stigma after manual pollination etc.