

# 3rd WURomics Symposium

## Advances in Plant and Food Metabolomics

**PLACE:** Orion (Waaierzaal), Wageningen Campus, Bronland 1, Wageningen (Building 103)

**DATE:** Thursday December 12th, 2019, 8.30 – 18.00

**ORGANISED BY:** Wageningen University & Research and Graduate School EPS

In recent years, exceptional progress has been made in the application of -omics based technologies in plant and food research. In the two previous symposia we tackled General Omics advances and then, Next Generation Sequencing. This time the topic is advances in metabolomics. Metabolomics is the technology focusing on the small molecules which are determinant in many important phenotypic aspects of plants and food – plant disease resistance, abiotic stress, food quality, shelf life, flavour and fragrance, health promotion, among others. Metabolomics is now in its 20<sup>th</sup> year and metabolomics-based approaches have become well established in the crop, food and seed industries as well as in the field of nutrition and medicine. This symposium on 12<sup>th</sup> December will focus on three main topics where metabolomics is making important inroads: i) crop breeding, ii) crop and food quality, and iii) environment and the circular economy. We have brought together a remarkable list of internationally-renowned expert speakers interspersed with local pitches to make this an unforgettable day!

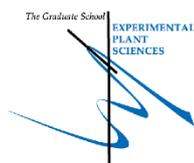
### PROGRAMME:

08:15	08:45	Registration
<b>Session 1: Metabolomics: the technology challenges</b>		
08:45	09:30	<b>Keynote: Prof.dr. Wolfram Weckwerth</b> – Ecogenomics and Systems Biology, Vienna Metabolomics Centre, Austria Title: Metabolomics or multi-omics? - opportunities and challenges
09:30	09:40	<i>Flash presenter:</i> <u>Dr. Ric de Vos</u> – BU Bioscience, Wageningen UR
09:45	10:30	<b>Keynote: Dr. Steffen Neumann</b> – Leibniz Institute of Plant Biochemistry, Germany Title: Metabolomics: the data challenges
10:30	10:40	<i>Flash presenter:</i> <u>Dr. Justin van der Hooft</u> – WU Bioinformatics, Wageningen UR
10:45	11:15	Coffee/tea break
<b>Session 2: Metabolomics: crop applications</b>		
11:15	12:00	<b>Keynote: Dr. Annick Moing</b> – INRA Bordeaux, France Title: Food crop metabolomics – the quest for quality
12:00	12:10	<i>Flash presenter:</i> <u>Dr. Roland Mumm</u> – BU Bioscience Wageningen UR
12:15	13:15	Lunch Break
<b>Session 3: Metabolomics: food and non-food applications</b>		
13:15	14:00	<b>Keynote: Prof.dr. Augustin Scalbert</b> – WHO, International Agency for Research on Cancer, Lyon, France Title: The food metabolome in nutritional epidemiology
14:00	14:10	<i>Flash presenter:</i> <u>Dr. Doris Jacobs</u> – Unilever Research, Wageningen Campus
14:15	15:00	<b>Keynote: Dr. Jane Ward</b> – National Centre for Plant Metabolomics, Rothamsted Research, UK Title: Metabolomics and non-food crops for the bio-economy
15:00	15:10	<i>Flash presenter:</i> <u>Dr. Kirsten Leiss</u> – BU Horticulture, Wageningen UR

15:15	15:45	Coffee/tea break
<b>Session 4: Metabolomics: plant and crop secondary metabolites</b>		
15:45	16:30	<b>Keynote: Prof.dr. Jörg-Peter Schnitzler</b> – Institute of Biochemical Plant Pathology, Helmholtz Zentrum, Munich, Germany Title: Volatilomics: metabolomics and plant ecology
16:30	16:40	<b>Flash presenter: Dr. Paolina Garbeva</b> – NIOO-KNAW, Wageningen
16:45	17:30	<b>Keynote: Prof.dr. Lloyd Sumner</b> - Biochemistry Department, University of Missouri, USA Title: Metabolomics and plant secondary metabolites
17:30	17:40	<b>Flash presenter: Dr. Iris Kappers</b> – WU Plant Physiology, Wageningen UR
17:45	17:50	Wrap-up and closure

Registration is now open - Please register through <https://www.graduateschool-eps.info/registration-3rd-wuromics-symposium-advances-in-plant-and-food-metabolomics/>. Participation is **free** and includes lunch and coffee breaks but **registration is mandatory** for attendance. Maximum number of participants is 300 and the registration will close after this maximum has been reached. In case of a no-show or a cancellation after 25 November 2019, there will be a fee of €50.

Registration is FREE thanks to our generous sponsors:



**Shared Research Facilities**  
Makes state-of-the-art research facilities of  
Wageningen University & Research accessible



**CampusConnect**  
Brings agri-food professionals together

Organisers / contact persons: [Robert Hall](#) & [Justin van der Hoof](#)

Links to: [www.metabolomics.nl](http://www.metabolomics.nl)