

## Sunday 1 March

16.00 - 20.00

Registration

18.00

Welcome mixer with dinner buffet

## Monday 2 March

08.30 - 12.30

**A Biosynthesis and transport of strigolactones (WG 4)<sup>1</sup>**  
Session chairs: **Steven Smith, Christine Beveridge**

08.30 - 9.00

Welcome address by Prof. **Martin Kropff**, dean of Wageningen University and introduction to COST Action FA1206 Stream by **Cristina Prandi**

09.00 - 9.40

**Shinjiro Yamaguchi** - Identification of endogenous biosynthetic precursors for strigolactones in rice and Arabidopsis

09.40 - 10.20

**Enrico Martinoia** - About the multifunctional roles of the *Petunia* strigolactone transporter PaPDR1

10.20 - 10.50

**coffee break**

10.50 - 11.15

**Phillip Brewer** – Strigolactone biosynthesis

11.15 - 11.40

**Salim Al-Babili** - Substrate-specificity of carlactone-forming enzymes

11.40 - 12.05

**Yanxia Zhang** - The distinct roles of rice MAX1 homologs

12.05 - 12.30

**Michael Walter** - Phosphate starvation and AM-inducible carotenoid supply pathways for apocarotenoid signal biogenesis

12.30 - 14.00

**Lunch**

14.00 - 18.00

**B Perception of strigolactones and downstream signaling (WG 1)**  
Session chairs: **Ottoline Leyser, Shinjiro Yamaguchi**

14.00 - 14.40

**Jiayang Li** - Repression of IPA1 transcriptional activity by D53 regulates tillering in rice

14:40 - 15.20

**Kimberley Snowden** - Strigolactone perception by DAD2 and the environmental control of branching

15.20 - 15.50

**coffee break**

15.50 - 16.15

**Stephanie Kerr** - Early strigolactone response genes in *Pisum sativum* buds

16.15 - 16.40

**Yoshiya Seto** - Chemical screening of novel strigolactone agonists that target D14 protein

16.40 - 17.05

**Thomas Greb** - The strigolactone-associated SMXL4 and SMXL5 genes determine plant architecture by coordinating meristem activity

17.05 - 17.30

**Tom Bennett** - Defining the targets of strigolactone signaling

17.30 - 17.55

**Sofie Goormachtig** - Strigolactone networks in the Arabidopsis roots

17:55 – 18.25 4 poster flash presentations WG1

18.30- 19.30 **WG1 poster viewing with drinks**

19.30 - 21.00 **Dinner**

21.00 – 22.00 **COST Action FA1206 Stream WG 1 meeting**

21.00 **Bar conference centre open**

## **Tuesday 3 March**

09.00 - 12.00

**C Chemistry of strigolactones (WG 4)**  
Session chairs: **Kohki Akiyama, Hinanit Koltai**

09.00 - 9.40

**Binne Zwanenburg** - Strigolactones: chemistry, bioproperties and applications

09.40 - 10.20

**Tadao Asami** - Selective chemicals that mimic each of SL functions

10.20 - 10.50

**coffee break**

10.50 - 11.15

**Cristina Prandi** - Fluorescent derivatives as promising developing tools to map distribution and investigate the mechanism of action of strigolactones in living organisms

11.15 - 11.40

**Francois-Didier Boyer** - Design of new probes that highlight enzymatic activity of strigolactone receptors

11.40 - 12.05

**Claudio Screpanti** - Strigolactones and their potential role in modern agriculture

12.05 - 12.30

**Antonio Evidente** - Fungal and plant metabolites with strigolactone-like activity

12.30 - 14.00

**Lunch**

14.00 - 18.00

**D Strigolactones in plant development (WG 1)**  
Session chairs: **Jiayang Li, Catherine Rameau**

14.00 - 14.40

**Ottoline Leyser** - Strigolactone signalling in shoot branching control

14:40 - 15.20

**Christine Beveridge** – Shoot branching

15.20 - 15.50

**coffee break**

15.50 - 16.15

**Hinanit Koltai** - Characterization of the non-cell autonomous signaling of strigolactones in roots

16.15 - 16.40

**Pilar Cubas** - Understanding D14 dynamics and function

16.40 - 17.05

**Yasmine Ligerot** - Complex interactions between auxin and strigolactones in controlling shoot branching

17.05 - 17.30

**Alexander van der Krol** - A novel function for strigolactones: strigolactone stimulate plastidal stromule formation independent of MAX2

17.30 - 17.55	<b>Soizic Rochange</b> - The analysis of <i>Medicago truncatula</i> strigolactone mutants reveals a novel function of strigolactones in the formation of leaf margin serrations
17:55 – 18.25	4 poster flash presentations WG4
18.30 - 19.30	<b>WG4 poster viewing with drinks</b>
19.30 - 21.00	<b>Dinner</b>
21.00 – 22.00	<b>COST Action FA1206 Stream WG 4 meeting</b>
21.00	<b>Free evening / Bar conference centre open</b>
	<b>Meeting of the scientific committee</b>

### Wednesday 4 March

09.00 - 12.00	<b>E</b>	<b>Strigolactones and AM fungi (WG 2)</b> Session chairs: <b>Koichi Yoneyama, Cristina Prandi</b>
09.00 - 9.40		<b>Martin Parniske</b> - Signal transduction in plant root symbiosis
09.40 - 10.20		<b>Kohki Akiyama</b> - Strigolactones and carlactones as a signal for arbuscular mycorrhizal symbiosis
10.20 - 10.50		<b>coffee break</b>
10.50 - 11.15		<b>Juan Antonio Lopez-Raez</b> - Effect of salinity and drought on SL production and AM symbiosis
11.15 - 11.40		<b>Eloise Foo</b> - A shoot to root signal(s) that regulates strigolactone exudation is involved in arbuscular mycorrhizal formation
11.40 - 12.05		<b>Caroline Gutjahr</b> - INHOSPITABLE is required for arbuscular mycorrhiza establishment
12.05 - 12.30		<b>Wilhelm Boland</b> - The apocarotenoid d'orenone may be involved in establishing symbiosis between host plants and ectomycorrhizal fungi
12.30 - 13.30		<b>Lunch</b>
13.30 - 23.00		<b>Conference tour + Conference dinner</b>

### Thursday 5 March

09.00 - 12.30	<b>F</b>	<b>Evolution of strigolactones (WG 1)</b> Session chairs: <b>Salim Al-Babili, Kimberley Snowden</b>
09.00 - 9.40		<b>Steven Smith</b> - Evolution of karrikin and strigolactone signalling
09.40 - 10.20		<b>Catherine Rameau</b> - The use of <i>Physcomitrella patens</i> for a better understanding of strigolactone signalling evolution
10.20 - 10.50		<b>coffee break</b>

10.50 - 11.15		<b>Sandrine Bonhomme</b> - Characterization of the <i>Ppmax2</i> mutant in moss suggests that MAX2 gene function in strigolactone signalling is preceded by its role in
11.15 - 11.40		<b>Mauricio Lopez-Obando</b> - Do D14-LIKE proteins perceive strigolactone signals in the non-vascular plant <i>Physcomitrella patens</i> ?
11.40 - 12.05		<b>Shigeoh Toh</b> - Thermoinhibition uncovers a role for strigolactones in Arabidopsis seed germination
12.05 - 12.30		<b>Evgenia Dor</b> - The development of a new race of <i>Orobancha cumana</i> with a wider host range is due to changes in seed response to strigolactones
12.30 - 14.00		<b>Lunch</b>
14.00 - 18.00	<b>G</b>	<b>Strigolactones and parasitic plants (WG 2)</b> Session chairs: <b>Tadao Asami, Harro Bouwmeester</b>
14.00 - 14.40		<b>Koichi Yoneyama</b> - Natural strigolactones as germination stimulants for root parasitic plants
14:40 - 15.20		<b>Peter McCourt</b> - Chemical genomics and strigolactone biology
15.20 - 15.50		<b>coffee break</b>
15.50 - 16.30		<b>David Nelson</b> - Neofunctionalization of KAI2 ligand-specificity likely enabled host-perception in parasitic weeds
16.30 - 16.55		<b>Jean-Bernard Pouvreau</b> - DNA methylation regulates <i>P. ramosa</i> seed germination by controlling strigolactone-dependent expression of PrCYP707A1, an ABA catabolic gene
16.55 - 17.20		<b>Radi Aly</b> - Enhanced host resistance to parasitic weeds by silencing and blocking key-genes involved in strigolactone pathway
17.20 - 17.45		<b>Yukihiro Sugimoto</b> - Heliolactone, a non-sesquiterpene lactone germination stimulant for root parasitic weeds from sunflower
17.45 - 18.10		<b>Stefano Pavan</b> - Characterization of the first pea ( <i>Pisum sativum</i> L.) natural strigolactone-deficient mutant resistant to crenate broomrape ( <i>Orobancha crenata</i> forsk.)
18:10 – 18.40		4 poster flash presentations WG2
18.40- 19.40		<b>WG2 poster viewing with drinks</b>
19.40 - 21.30		<b>Dinner, poster awards and closure of the meeting</b>
21.30 – 22.30		<b>COST Action FA1206 Stream WG 2 meeting</b>
21.30		<b>Bar conference centre open</b>
<b>Friday 6 March</b>		
Departure participants		
09.00 – 14.00		Meeting Management Committee COST Action FA1206 Stream

<sup>1</sup>The 1st ICS is co-organised by The Laboratory of Plant Physiology of Wageningen University and the COST-action Stream. WG1, 2 and 4 are the Working Groups 1, 2 and 4 of Stream.