

Action FA1204 - *Vegetable grafting to improve yield and fruit quality under biotic and abiotic stress conditions*

2nd training school on **Vegetable grafting**

Theme:

Rootstock-scion and rhizosphere signaling

**Wageningen, The Netherlands,
19–21 April 2016**

General Information

AIM

The duration of the 2nd Training School is 3 working days and will start on Tuesday 19 April 2016 with a technical tour through Greenport Westland-Oostland, traditionally the area where glasshouse horticulture in The Netherlands is concentrated.

We will, therefore, meet and pick you up by a touring car on Tuesday 19 April (**8:30h**) at the lobby of the Bastion Hotel in Zoetermeer, which is near this Greenport.

After the technical tour and networking dinner, you will be brought to Hotel De Wageningsche Berg in Wageningen. On Wednesday 20 and Thursday 21 April the theoretical and practical part of this Training School will be organized at Wageningen UR.

The general aim of the training school is to strengthen the education of young researchers in the Action issues, in order to foster collaboration and cooperation in Science and Technology. The specific aim of this 2nd training school is to provide state of the art knowledge of the interaction of the rootstock with the scion and the rhizosphere in response to biotic and abiotic stresses. The amount of participating trainees for this 2nd training school is 16.

Besides the understanding of theoretical aspects during the morning sessions, you will carry out practical activities on grafted tomato plants during the afternoons. You will learn (i) to evaluate the plant physiological status (e.g.: collect xylem sap from grafted plants, assay xylem sap for osmotic and ionic status; determine rootstock effects on transpiration, photosynthesis and leaf water relations) and (ii) to analyze rootstock effects on hormone signaling in response to NaCl stress in the root zone.

LOCAL ORGANIZERS

Dr. Anja Dieleman (anja.dieleman@wur.nl)

Dr. Jan Henk Venema (j.h.venema@rug.nl)

For further information, please e-mail the Training School secretary:

j.h.venema@rug.nl

TRAINING SCHOOL VENUE

Wageningen UR, Droevendaalsesteeg 1, Radix building, room no. C91, 6708 PB Wageningen, TEL: + 31 317 486001.

<https://www.wageningenur.nl/en/location/Radix-building-number-107.htm>

PROGRAM WAGENINGEN

WEDNESDAY 20th APRIL 2016

8:15	<i>Gather in Hotel lobby and traveling by bike to WUR Campus</i>
08:45 – 09:00	Official Registration
09:00 – 09:15	Introduction of the 2 nd COST Action FA1204 Training School
09:15 – 10:45	First session – Root-to-shoot signaling: theory & practice <i>Trainer: Dr. Ian C. Dodd, University of Lancaster - UK</i>
10:45 – 11:15	<i>Coffee / Tea break</i>
11:15 – 12:45	Second session – Small RNA signaling <i>Trainer: Prof. Dr. Julia Kehr, University of Hamburg - Germany</i>
12:45 – 13:30	<i>Lunch</i>
13:30 – 17:00	Practical activities: xylem sap extraction in NaCl-stressed grafted tomato <i>Trainers: Dr. Ian Dodd, Dr. Jan Henk Venema, University of Groningen – NL, Dr. Carel Windt, Forschungszentrum Jülich – D, Dr. Elias Kaiser, Wageningen UR – NL</i>
18:30	<i>Joint dinner in Colours World Food, Markt 15 in Wageningen</i>

THURSDAY 21st APRIL 2016

08:30	<i>Gather in Hotel lobby and transport by bike to WUR Campus</i>
09:00 – 10:30	Third session – Strigolactones: signaling molecules with in- and outdoor activities <i>Trainer: Prof. Dr. Harro Bouwmeester, Wageningen UR, The Netherlands</i>
10:30 – 11:00	<i>Coffee / Tea break</i>
11:00 – 12:30	Fourth session – Long-distance stress signaling <i>Trainer: Dr. Colin Turnbull, Imperial College London, UK</i>
12:30 – 13:30	<i>Lunch</i>
13:30 – 17:30	Practical activities: data analyses of xylem sap hormone profiling <i>Trainers: Dr. Kristyna Flukova, Wageningen UR– NL, Dr. Ian Dodd & Dr. Jan Henk Venema</i>
18:30	<i>Joint dinner in Hof van Wageningen, Lawickse Allee 9 in Wageningen</i>

ARRIVAL:

HOW TO REACH HOTEL DE WAGENINGSCHEN BERG IN WAGENINGEN?

Arrival by airplane at Amsterdam Schiphol Airport:

Please, plan your train journey **Schiphol – Ede-Wageningen** easily via: www.ns.nl/en. This will show you the ticket price, departure times, platform numbers and station(s) where you have to change. The Dutch Railways (NS) will bring you in about 1h02' from Schiphol to station Ede-Wageningen.

Train tickets can be bought at Schiphol Plaza, the central meeting hall of Schiphol Airport, via the yellow-blue ticket machines. However, a ticket and service desk is (still) available here as well. Staff at the desk will be able to provide you with all kind of information on travelling by train in The Netherlands.

The NS train platforms are situated directly below Schiphol Plaza. (www.schiphol.nl/Travellers/ToFromSchiphol/PublicTransport/ByTrainDomestic.htm).

As soon as the train arrives at station **Ede-Wageningen**, get off the train and walk to the bus station (1'). Take the bus (No. 84 or 88) **direction Wageningen**. Change at Wageningen central bus station to the bus (No. 53 or 352) **direction Arnhem**. Leave the bus at bus stop Wageningse Berg Wageningen and walk (6') to the Hotel (Generaal Foulkesweg 96). The whole bus trip will take you about 45'. Please, plan your bus trip with the right time (tijd) and date (datum) via:

http://9292.nl/en/journeyadvice/station-edewageningen/wageningen_generaal-foulkesweg-96/departure/2016-04-19T1615#

Arrival by (international) train:

For international train services, please check: <https://www.nsinternational.nl/en>
Once arrived in The Netherlands, please plan your local train journey easily via: <http://www.ns.nl/en/travel-information>.

Get off the train at station **Ede-Wageningen** and walk to the bus station (1').

Take the bus **No. 84 or 88 direction Wageningen**. Change at Wageningen central bus station to the bus **No. 53 or 352 direction Arnhem**. Leave the bus at bus stop Wageningse Berg Wageningen and walk (6') to the Hotel (Generaal Foulkesweg 96). The whole bus trip will take you about 45'. Please, plan your bus trip with the right time (tijd) and date (datum) via:

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A taxi will be available as well, however, these extensive costs will not be reimbursed!

HOTEL ACCOMMODATION

19-20-21 April 2016 (1 or 2 nights, depending on when you leave)

Hotel de Wageningsche Berg, Generaal Foulkesweg 96, 6703 DS Wageningen, TEL: +31 317 495911, <http://hoteldewageningscheberg.nl/en/>

Luxurious Double Room 85.00 EUR per night, incl. breakfast, WiFi.

PAYMENT HOTEL ACCOMODATION

The Training School secretary booked your hotel room. When you arrive at the Hotel desk, please make clear that you are participant of the COST Action FA1204 Training School. **The only thing you have to do is to pay the bill when you leave the Hotel.** You can pay with your credit card or bankcard (PIN). If you have doubts, please consult the Hotel website or e-mail the Hotel info desk.

TRAVELING FROM HOTEL WAGENINGSCHES BERG TO TRAINING SCHOOL VENUE (Campus Wageningen)

There is a bike available for you at the Hotel. As group we will bike in about 20' from the Hotel to the campus. Biking is very popular in The Netherlands since our country is almost completely flat and we have excellent facilities for bikers that guarantees save travelling. In addition, it is the fastest way of transport in a city and gives us the freedom to go where and when we like.

In case you can/will not bike, you may take the bus. Walk to the nearest bus stop Generaal Foulkesweg (6'). Take bus line **No. 352 direction Wageningen**. Change at Wageningen central bus station to the bus **No. 84 direction NS railway station Ede-Wageningen via Campus** and leave the bus at Wageningen Campus/Atlas. Walk (5') to the school venue Radix Building, Droevendaalsesteeg 1 Wageningen. This whole trip takes you 25'.

DEPARTURE:

HOW TO REACH SCHIPHOL AIRPORT FROM HOTEL WAGENINGSCHES BERG OR SCHOOL VENUE?

From the Hotel:

Walk to the nearest bus stop Generaal Foulkesweg (6'). Take bus line No. 352 **direction Wageningen**. Change at Wageningen central bus station to the bus (No. 84 or 88) **direction NS railway station Ede-Wageningen**. The whole trip will take you about 45'. Please, plan your bus trip with the right time (tijd) and date (datum) via: http://9292.nl/en/journeyadvice/wageningen_generaal-foulkesweg-96/station-edewageningen/departure/2016-04-20T1320#

From The Training School Venue:

Walk to the bus stop Wageningen Campus/Atlas (5'). Take bus line **No. 84 direction NS railway station Ede-Wageningen**. The whole trip will take you about 25'. Please, plan your bus trip with the right time (tijd) and date (datum) via: http://9292.nl/en/journeyadvice/wageningen_droevendaalsesteeg-1/station-edewageningen/departure/2016-04-20T1313#

From railway station **Ede-Wageningen** the Dutch Railways (NS) will bring you in 1h02' to railway station **Schiphol Airport**, which is directly situated below the airport. Please, plan your train journey **Ede-Wageningen** to **Schiphol** easily via: www.ns.nl/en

For details about arrival and departure times airplanes (possible delays) etc., please consult: <http://www.schiphol.nl/travellers.htm>

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