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AGILE

Network Conference #1



November 14th – 17th 2026

Leibniz Institute of Plant Genetics
and Crop Plant Research (IPK)
Gatersleben

Program for Doctoral Candidates:

Saturday: November 14th 2026

Whole day: Arrival of AGILE Doctoral Candidates to Gatersleben.

18:00 - 20:00 Dinner. IPK Canteen (see page 11).

Sunday: November 15th 2026

Whole day: Arrival of PIs and associated partners to Quedlinburg.

9:00 - 10:00 Breakfast. IPK Canteen (see page 11).
10:00 - 17:00 Excursion or games (depending on the weather).
17:00 - 19:00 Bowling in Gatersleben.
19:00 - 21:00 Pizza. IPK Canteen.

Start of the Network Conference (all Participants)

Monday: November 16th 2026

7:30 - 8:30 Breakfast. IPK Canteen.
8:00 - 8:30 Bus transfer from Quedlinburg to Gatersleben IPK:
Bus starts at 8:00 from Quedlinburg, Parking area “An den Fischteichen”; a 12-minute walk from Hotel Wyndham to bus.
7:45 Meet Andreas Houben in the hotel Lobby to walk together to the Bus Stop
https://maps.app.goo.gl/y2qZQnBmYFD6vSht9

8:30 - 9:00 Registration. Lecture hall.

ALL TALKS WILL BE IN THE IPK LECTURE HALL

9:00 - 9:20 Welcome. Fred Pontvianne/Andreas Houben. Introduce EAB.

9:20 - 10:00 AGILE Overview, Objectives, structure, governance (Fred Pontvianne and WP1 – 3 leaders: V. Kriechbaumer (WP1), S. Rosa (WP2), C. Tatout (WP3))

10:00 - 11:00 Keynote Lecture I: Quantitative imaging & advanced cell biology, Edouard Bertrand (Institute of Human Genetics, Montpellier, France)

11:00 - 11:30 Coffee break, Group Picture

11:30 - 13:00 Individual Research Project Presentations and PhD students introduction #1 (7 min talk + 3 min discussion / changeover)

- 11:30 IRP1
- 11:40 IRP2
- 11:50 IRP3
- 12:00 IRP4
- 12:10 IRP5
- 12:20 IRP6
- 12:30 IRP7
- 12:40 IRP8

13:00 - 14:00 Lunch. IPK Canteen

14:00 - 15:00 IPK tour (Genebank and Phenosphere)

15:00 - 16:10 Individual Research Project Presentations and PhD students introduction #2 (7 min talk + 3 min discussion / changeover)

- 15:00 IRP9
- 15:10 IRP10
- 15:20 IRP11
- 15:30 IRP12
- 15:40 IRP13
- 15:50 IRP14
- 16:00 IRP15

16:10 - 16:40 Coffee break

16:40 - 18:10 Group Leaders Project Presentation #1
16:40 Martina Dvorackova
17:10 Mathilde Grelon
17:40 Andreas Houben

18:10 - 19:10 Meeting EAB with WPL (Lead CNRS)

19:10 - 21:00 Dinner. IPK Canteen.

21:00 Bus transfer to Quedlinburg

External Advisory Board (EAB)

- Edouard BERTRAND (Human Genetic Institute, CNRS, France),
- Geraint PARRY (Association of Applied Biology, United Kingdom)
- Stefanie WEIDTKAMP-PETERS (CAI, Heinrich Heine University Düsseldorf, Germany)
- Kirsten BOMBLIES (ETH Zurich, Switzerland)

Work package leaders (WPL)

- V. Kriechbaumer (WP1)
- S. Rosa (WP2)
- C. Tatout (WP3)
- M. Dvorackova (WP4)
- A. Houben (WP5)
- F. Pontvianne (WP6)

Tuesday: November 17th 2026

7:30 - 8:30 Breakfast. IPK Canteen.
8:00 - 8:30 Bus transfer from Quedlinburg to Gatersleben IPK, Bus starts at 8 AM, from Quedlinburg, Parking area “An den Fischteichen”; a 12-minute walk from Hotel Wyndham to bus.
https://maps.app.goo.gl/y2qZQnBmYFD6vSht9

8:30 - 9:30 Keynote Lecture II: Quantitative imaging & advanced cell biology, Kirsten Bomblies (ETH, Zürich, Switzerland)

9:30 - 10:15 Data Management Plan (DMP), FAIR data management practices, Christophe Tatout, Célia Baroux, Jean-Marie Burell

10:15 - 11:00 3R & Green Charter; Reduce–Reuse–Recycle, monitoring plan. Philipp Weber (online in the Lecture Hall)

11:00 - 11:30 Coffee break

11:30 - 12:15 Diversity and Inclusion. Andrea Paterlini (online in the Lecture Hall).

12:15 - 13:15 Group Leaders Project Presentation #2
12:15 Verena Kriechbaumer
12:45 Laurent Nussaume

13:15 - 14:15 Lunch. IPK Canteen

14:15 - 14:30 Brief presentation WP5. Fred Pontvianne.

14:30 - 14:45 Brief presentation OHO. OHO representatives: Vincent Malassis et Sara Petit

14:45 - 15:45 SB meeting #2 including DMC report. Lead CNRS.

Supervisory Board (SB)
- One representative of each participating organization in the project including the Associated Partners.
- Two representatives of the recruited Doctoral Candidates
- Franziska Buslaps (EPM)

Data Management Committee (DMC)
- Christophe Tatout
- Jean Marie Burel
- Célia Baroux
- Fred Pontvianne

15:45 - 16:30 OHO Meeting, Outreach project development

16:30 - 17:00 Coffee break

17:00 Bus transfer from IPK to Quedlinburg

17:30 Guided City walk in Quedlinburg

19:00 Dinner Brewery „Lüdde“ Carl-Ritter-Straße 1, Quedlinburg
https://maps.app.goo.gl/Cn8bSwyn7th47XVG7

Wednesday: November 18th 2026

Departure of group leaders.

AGILE Doctoral Candidates commence the Training in Fundamentals of Microscopy Imaging for plant sciences

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Training Event #2 for Doctoral Students :

Fundamentals of Microscopy Imaging for plant sciences

November 18th – 20th 2026

Wednesday: November 18th 2026

8:00 - 9:00 Breakfast. IPK Canteen.

ALL TALKS WILL BE IN THE IPK LECTURE HALL

9:00 - 9:05 Presentation of students “homework”. Célia Baroux.

9:05 - 10:30 Introduction to microscopy.

10:30 - 10:45 Coffee break

10:45 - 11:15 Contrast Methods incl. Basics in Fluorescence Microscopy
11:15 - 11:45 Basics in Digital Imaging
11:45 - 13:00 Optical Sectioning and 3D Microscopy

13:00 - 14:00 Lunch. IPK Canteen

14:00 - 18:00 Hands-On Rotation on CSLM, SIM and LSFM – Session I

Station 1: Confocal. Miescher Haus, room 0.62
- Intro: Theory of Confocal Laser Scanning Microscopy (~1h)
- Hands-on at the system (~3h)
DC1, DC2, DC3, DC4, DC5

Station 2: LSFM. Genetics Building, room 0.33
- Intro: Theory of Lightsheet Fluorescence Microscopy (~1h)
- Hands-on at the system (~3h)
DC6, DC7, DC8, DC9, DC10

Station 3: SIM. Genetics building, room 0.41.
- Intro: Theory of Structured Illumination Microscopy (~1h)
- Hands-on at the system (~3h)
DC11, DC12, DC13, DC14

Trainers ZEISS:
- Hubert Bauch (Lectures)
- Andreas Lutter (Lightsheet)
- Dario Furlani (LSM)
- Jan-Erik Heil (Elyra)

Trainers IPK:
- Maria Cuacos (LSFM)
- Twan Rutten/Michael Melzer (Confocal)
- Veit Schubert (SIM)

18:30 - 22:30 Karaoke. IPK Club

Thursday: November 19th 2026

8:00 - 9:00 Breakfast. IPK Canteen.

9:00 - 10:00 Challenges and solutions for optimal plant sample preparation. Joe McKenna.

10:00 - 11:00 Designing an informed imaging workflow from sample preparation to image acquisition. Célia Baroux.

11:00 - 11:15 Coffee break

11:15 - 13:15 Advanced Imaging Modalities for Plant Nuclei, Chromatin and Chromosome Studies

11:15-11:45 Célia Baroux.
Multiphoton microscopy, Stimulated Emission Depletion Microscopy (STED).
11:45-12:15 Joe McKenna.
Structured Illumination Microscopy (SIM), Spinning-Disk Confocal.
12:15-12:45 Veit Schubert.
Structured Illumination Microscopy (SIM), Single-Molecule Localization Microscopy (SMLM).
12:45-13:15 Maria Cuacos.
Light sheet fluorescence microscopy (LSFM).

13:15 - 14:00 Lunch. IPK Canteen

14:00 - 18:00 Hands-On Rotation on CSLM, SIM and LSFM – Session II

Station 1: Confocal. Miescher Haus, room 0.62
- Intro: Theory of Confocal Laser Scanning Microscopy (~1h)
- Hands-on at the system (~3h)
DC11, DC12, DC13, DC14

Station 2: LSFM. Genetics Building, room 0.33
- Intro: Theory of Lightsheet Fluorescence Microscopy (~1h)
- Hands-on at the system (~3h)
DC1, DC2, DC3, DC4, DC5

Station 3: SIM. Genetics building, room 0.41.
- Intro: Theory of Structured Illumination Microscopy (~1h)
- Hands-on at the system (~3h)
DC6, DC7, DC8, DC9, DC10

18:30 – 20:30 Dinner. IPK Canteen.

Friday: November 20th 2026

8:00 - 9:00 Breakfast. IPK Canteen.

9:00 - 13:00 Hands-On Rotation on CSLM, SIM and LSFM – Session III

Station 1: Confocal. Miescher Haus, room 0.62
- Intro: Theory of Confocal Laser Scanning Microscopy (~1h)
- Hands-on at the system (~3h)
DC6, DC7, DC8, DC9, DC10

Station 2: LSFM. Genetics Building, room 0.33
- Intro: Theory of Lightsheet Fluorescence Microscopy (~1h)
- Hands-on at the system (~3h)
DC11, DC12, DC13, DC14

Station 3: SIM. Genetics building, room 0.41.
- Intro: Theory of Structured Illumination Microscopy (~1h)
- Hands-on at the system (~3h)
DC1, DC2, DC3, DC4, DC5

13:00 - 14:00 Lunch. IPK Canteen

14:00 Course Wrap Up (Canteen). Students depart to their home destinations.

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RESEARCH
CAMPUS
GATERSLEBEN
Main Entrance
IPK
LEIBNIZ INSTITUTE
IPK LEIBNIZ INSTITUTE
1 Communication Centre
2 Casino
3 Administration
4 Library
5 Vavilov Building (Gene Bank)
6 Genetics Building
7 Genome Centre
8 Friedrich Miescher Building
9 Konrad Zuse Building
10 Guesthouse IPK
11 Club Room
12 Technical Services
13 Recieving Department
14 Botanical Garden
15 PhenoSphere
16 Phenotyping Facility
17 Bioinformatics Centre
18 Fruit Variety Garden
BIOTECH CENTRE
19a BGI Biotechpark Gatersleben Infrastruktur GmbH;
IT-Breeding GmbH;
19b Saaten-Union Biotec GmbH;
Bioanalytics Gatersleben UG;
20 BASF Agricultural Solutions GmbH
(European Wheat Breeding Center)
21 Orgentis Chemicals GmbH
22 SGS – TraitGenetics GmbH;
Gartenland Produktion GmbH –
Quality Seed Testing Lab;
Grünes Labor Gatersleben e.V.;
23 GGG Green Gate Gatersleben e.V.;
Guesthouse Biotech Centre