



20. - 24. June 2022

International Conference on Sexual Plant Reproduction



WELCOME

Dear Colleagues and Friends,

We are delighted to welcome you to the **26th International Conference on Sexual Plant Reproduction (ICSPR)** that will take place from June 20-24, 2022, at Hotel Pyramida in Prague (Czech Republic).

During the past two years of the COVID-19 pandemic, many workshops and conferences were cancelled or took place as virtual meetings. We have learned how to organize such events technically by using Zoom, Webex, Teams or other platforms, but despite some advantages, we also experienced a large number of disadvantages. We are especially missing the important individual scientific discussions, inspirations and exchange of ideas that take place after talks, during coffee breaks, lunch/dinner, poster sessions, and during meeting excursions. We also need an environment that fosters possibilities to initiate collaborations, make new friends, and to maintain long-standing friendships. We therefore decided to organize the 26th ICSPR exclusively in presence.

Unfortunately, this excludes participation of scientist from countries who followed the wrong COVID strategies. We are also aware that there is a war of aggression in Europe, thus it is difficult for some colleagues to attend, and some scientists are uncomfortable to travel by plane. Thus, despite these and other problems in difficult times, we are very happy to welcome you and more than 330 further scientists in the beautiful and historic city of Prague, the capital city of the Czech Republic, which is also called the “Golden City” or the “City of the Hundred Towers”.

You will find a very exciting program with topics ranging from flowering, gametogenesis, pollen tube growth and fertilization mechanisms to seed/fruit development that includes also ecological and epigenetic aspects of plant reproduction as well as the application of the knowledge generated. We hope you will enjoy the talks, poster session, discussions, and networking during the 26th ICSPR.

Thank you very much for your participation.

*David Honys and Thomas Dresselhaus
(on behalf of the whole organizing team)*

26th International Conference on Sexual Plant Reproduction

20. – 24. June 2022

Pyramida Hotel, Prague, Czech Republic

TABLE OF CONTENT

WELCOME	3
ORGANIZING TEAM	1
CONTACT AND INFORMATION	1
VENUE	2
SAFETY RULES	4
CODE OF CONDUCT	5
SPONSORS AND SUPPORTERS	6
PROGRAMME	8
MONDAY JUNE 20	8
TUESDAY JUNE 21	10
WEDNESDAY JUNE 22	14
THURSDAY JUNE 23	17
FRIDAY JUNE 24	20
KEYNOTE TALKS	21
TALKS SELECTED FROM ABSTRACTS	31
POSTERS	85
LIST OF PARTICIPANT	294

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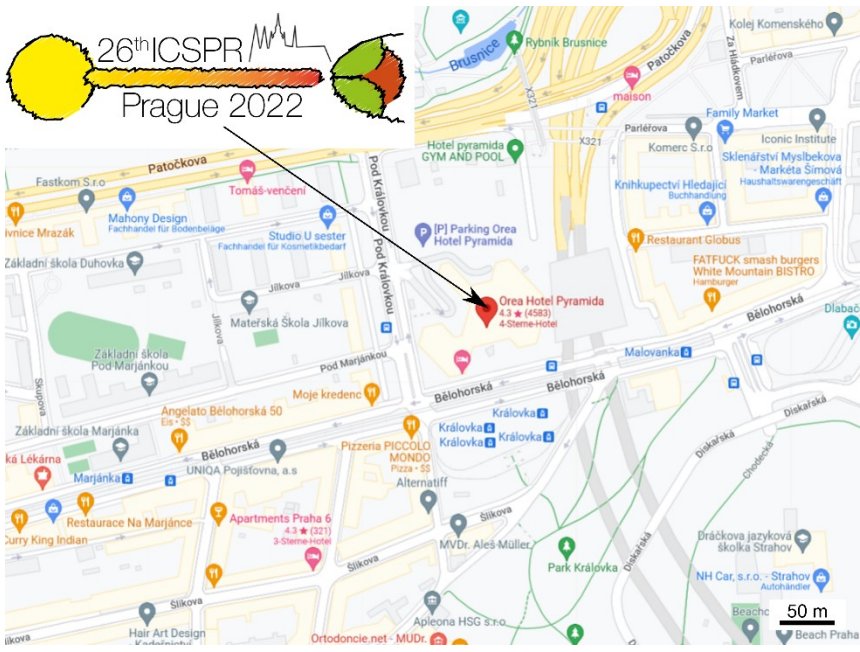
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VENUE

The 26th International Conference on Sexual Plant Reproduction will take place in the **OREA Hotel Pyramida Praha** (Prague, Czech Republic).

Address: OREA Hotel Pyramida Praha
Bělohorská 24,
169 00 Praha 6,
Czech Republic
Phone +420 277 278 690
Fax + 420 233 357 312
pyramida@orea.cz
www.hotelpyramida.cz

Hotel



WIFI

Free of charge WIFI is available through **"Pyramida"** (no registration required).

Arrival

By plane:

The closest airport to the conference venue in Pyramida Hotel is Václav Havel airport Prague. From the airport, you can travel by several means, public transport, taxi, Uber or Bolt.

The easiest route to get to the conference is taking the bus number 191 from the airport to Vypich. There, change to the tram, line 22 (direction Nádraží Hostivař) or line 25 (direction Lehovec) and go to the station Malovanka, which is next to the hotel. This journey should take 40 - 45 min.

The ticket (costing 40 CZK; which equals approx. to 1.60 €) can be purchased in the ticket machine at the airport that accepts both cash and cards. The ticket is valid inside whole Prague city limits (zone P) in metro, buses, trams and regional trains and you can change as many times as you wish within its time limit of 90 min. After getting on the first bus or tram or when entering the metro area, you have to validate your ticket.

There is a taxi service available at the airport. However, the reputation of Prague taxi drivers is not particularly high and although the situation is getting better, there are still not infrequent reports of overpriced journeys. As an advice and starting point, insisting on setting on the meter and not negotiating the price in advance might help.

Alternatively, web-operated Uber and Bolt services may be used. They are fairly similar, usually cheaper and reliable with the options to pay cash or by card. For both, iPhone and Android apps are available. To get to the Pyramida hotel, put in the address "Bělohorská 24, Praha".

By train:

There are several train stations in Prague but the international trains usually stop in Prague Main Station (Praha hlavní nádraží) in the city center. From there, you can continue by public transport or taxi/Uber/Bolt to the hotel.

The easiest way by the public transport is taking the metro C line (direction Letňany) to the station Vltavská, and there change to the tram, line 25 (direction Bílá Hora) and leave the tram at Malovanka station. This should take around 30 min.

Public transport from
airport - information



Public transport from
train station - information



By bus:

The international bus connections usually terminate in the Florenc Bus Terminal in the city center. From there, you can continue by public transport or taxi/Uber/Bolt to the hotel.

The easiest way by the public transport is taking the metro C line (direction Letňany) to the station Vltavská, and there change to the tram, line 25 (direction Bílá Hora) and leave it at Malovanka station. This should take around 25 min.

Public transport from
bus station - information



SAFETY RULES

As of 9th April 2022, the protective measures regarding the conditions of entry into the Czech Republic in relation to the epidemic of covid-19 have been suspended. Entry into the Czech Republic is no longer subject to any special epidemiological conditions to prevent the spread of the disease. The entry-ban for foreigners from third-countries and the obligation to prove infection-free status have been lifted.

COVID portal
Czech Republic



In any case, please consult the possible specific rules in the countries from which you are travelling.

There are also no specific covid-related measures or duties applied at the moment. Wearing face masks is obligatory only in hospitals and other medical facilities. However, wearing face masks is recommended in public transport and other public indoor areas.

CODE of CONDUCT

The ICSPR Organizing Team is committed to providing a safe and productive meeting environment that fosters open dialogue and the exchange of scientific ideas, promotes equal opportunities and treatment for all participants, and is free of harassment and discrimination. All participants are expected to uphold standards of scientific integrity and professional ethics, treat others with respect and consideration, follow venue rules, and alert members of the organizing team of any dangerous situations or anyone in distress. The organizing team prohibits any form of discrimination, harassment, sexual or otherwise. These should be reported immediately to any member of the organizing team. All complaints will be treated seriously and responded to promptly.

To maintain and foster an environment at the meeting where colleagues feel comfortable and are encouraged to share unpublished data, recording, photographing, or tweeting (or sharing on other social media) of all data, results, hypotheses, conclusions, or any other aspects of a talk or poster are not permitted without the expressed consent of the authors. Also, please refrain from citing abstracts in bibliographies. The information in this abstract book shall be treated as personal communication and shall be cited only with expressed consent of the authors.



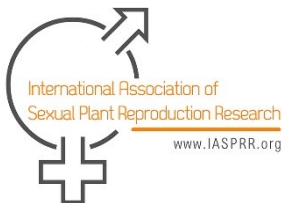
The policies herein apply to all attendees, speakers, exhibitors, staff, contractors, volunteers, and guests at the 26th International Conference on Sexual Plant Reproduction and related events.

SPONSORS and SUPPORTERS

The conference is organized under the auspices of **prof. Eva Zažímalová, the President of the Czech Academy of Sciences.**



The conference is organized under the auspices of **MUDr. Zdeněk Hřib, the Mayor of Prague.**



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PROGRAMME

Monday June 20

10:00-13:00 *Registration*

13:00-14:00 *Lunch*

14:00-14:30 Conference Opening

14:30-18:00 Session 1: Flowering and Flower Organ Development

Chair: Lucia Colombo, *Universita degli Studi di Milano, Italy*

14:30-15:00 Keynote Talk 1

Development and evolution of petal nanoscale ridges that scatter light and influence animal behaviour

Beverley J. Glover, *University of Cambridge, UK*

15:00-15:20 Abstract Talk 1.1

Control of flowering time and yield by winter bud dormancy in oilseed rape

Steven Penfield, *John Innes Centre, Norwich, UK*

15:20-15:40 Abstract Talk 1.2

Florigenesis and juvenile phase transition in *Cannabis sativa* plants

Ben Spitzer-Rimon, *ARO - Volcani Institute, Rishon LeZion, Israel*

15:40-16:00 Abstract Talk 1.3

Unraveling flowering development in the smallest angiosperm

Cristian Mateo-Elizalde, *Cold Spring Harbor Laboratory, New York, NY, USA*

16:00-16:40 *Coffee Break*

PROGRAMME

- 16:40-17:00 Abstract Talk 1.4
The beta-subunit of nascent polypeptide associated complex plays a role in flowers and siliques development of *Arabidopsis thaliana*
Jan Fila, *Institute of Experimental Botany of the Czech Academy of Sciences, Prague, Czech Republic*
- 17:00-17:20 Abstract Talk 1.5
SCI1 is expressed at the *Nicotiana tabacum* floral meristem and is a direct target of key flower development transcription factors
Maria Helena S. Goldman, *University of Sao Paulo, Brazil*
- 17:20-17:40 Abstract Talk 1.6
ARGONAUTE-mediated RNA silencing in anther development
Reina Komiya, *Science and Technology Graduate University, Okinawa, Japan*
- 17:40-18:00 Abstract Talk 1.7
Sexual dimorphism, male biasness and ambophily in *Zanthoxylum armatum*; traits for reproductive efficiency
Renu Sharma, *University of Jammu, India*
-

Welcome Drink
(18:00-20:00)
Hotel Pyramida

Tuesday June 21

9:00-12:50 **Session 2: Gametogenesis and Meiosis**
Chair: Ueli Grossniklaus, *University of Zurich, Switzerland*

9:00-9:30 **Keynote Talk 2**
What limits meiotic crossovers?
Raphael Mercier, *Max Planck Institute for Plant Breeding Research, Cologne, Germany*

9:30-9:50 Abstract Talk 2.1
Structural maintenance of chromosomes SMC5/6 complex is necessary for meiotic chromosome reduction in *Arabidopsis*
Aleš Pečinka, *Institute of Experimental Botany of the Czech Academy of Sciences, Olomouc, Czech Republic*

9:50-10:10 Abstract Talk 2.2
H3K9 demethylases are required for male meiosis in *Arabidopsis thaliana*
Hua Jiang, *Leibniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany*

10:10-10:30 Abstract Talk 2.3
Dissection of meiotic recombination and genomic architecture of holocentric plants with repeat-based centromeres
Meng Zhang, *Max Planck Institute for Plant Breeding Research, Cologne, Germany*

10:30-11:10 *Coffee Break*

11:10-11:30 Abstract Talk 2.4
ZIP4: stabilization of wheat as a polyploid and its impact on breeding
Azahara C. Martin, *John Innes Centre, Norwich, UK*

PROGRAMME

11:30-11:50 Abstract Talk 2.5
Members of the ELMOD protein family specify formation of distinct aperture domains on the *Arabidopsis* pollen surface
Anna Dobritsa, *Ohio State University, Columbus, OH, USA*

11:50-12:10 Abstract Talk 2.6
Multi-omics approach to describe gene expression dynamics in developing pollen of *Arabidopsis thaliana*
Božena Klodová, *Institute of Experimental Botany of the Czech Academy of Sciences, Prague, Czech Republic*

12:10-12:30 Abstract Talk 2.7
HvTDF1 gene reveals a conserved role in controlling anther tapetum development in dicot and monocot
Zoe Wilson, *University of Nottingham, UK*

12:30-12:50 Abstract Talk 2.8
The VACUOLAR SORTING PROTEIN 13 (VPS13) affects female germline establishment and progression by acting on small RNA pathway
Mara Cucinotta, *Universita degli Studi di Milano, Italy*

12:50-14:00 *Lunch*

14:00-17:50 Session 3: Pollen-Pistil Interactions and Pollen Tube Growth
Chair: Ravi Palanivelu, *University of Arizona, Tucson, AZ, USA*

14:00-14:30 Keynote Talk 3
Death is life – programmed cell death in compatible and incompatible pollen pistil interactions
Moritz Nowack, *VIB and Ghent University, Ghent, Belgium*

PROGRAMME

- 14:30-14:50 Abstract Talk 3.1
Two subgroups of *Arabidopsis* receptor-like kinases regulate intra- and inter-species pollen-pistil interactions
Daphne R. Goring, *University of Toronto, Canada*
- 14:50-15:10 Abstract Talk 3.2
Engineered *Arabidopsis* pollen establishes a role of ATP depletion and cytosolic acidification in *Papaver* self-incompatibility
Ludi Wang, *Aberystwyth University, UK*
- 15:10-15:30 Abstract Talk 3.3
Flavonols take the heat out of heat stress to protect pollen from elevated ROS
Joëlle K. Mühlemann, *imate Resilient Crop Production lab, KU Leuven, Department of Biosystems, Division of Crop Biotechnics, Belgium*
- 15:30-16:10 *Coffee Break*
- 16:10-16:30 Abstract Talk 3.4
Transcriptome reprogramming in the *Arabidopsis* male germline during the progamic phase
Jörg D. Becker, *Instituto Gulbenkian de Ciencia, Oeiras, Portugal*
- 16:30-16:50 Abstract Talk 3.5
Integration of ion dynamics into a membrane potential gradient in pollen tubes
Jose A Feijó, *University of Maryland, College Park, MA, USA*
- 16:50-17:10 Abstract Talk 3.6
Molecular basis of pollen germination and tube growth in rice
Ki-Hong Jung, *Kyung Hee University, Yongin, Republic of Korea*

PROGRAMME

17:10-17:30 Abstract Talk 3.7
Keeping growth in check – regulation of polar signaling in pollen of *Arabidopsis thaliana*
Philipp Denninger, *Technical University of Munich, Germany*

17:30-17:50 Abstract Talk 3.8
Enhanced pollen tube integrity was selected during breeding of tomato varieties that set fruit at elevated temperature
Sorel Ouonkap Yimga, *Brown University, Providence, RI, USA*

17:50-20:00 Poster Session 1

Wednesday June 22

9:00-12:10 **Session 4: Fertilization Mechanisms**
Chair: Stefanie Sprunck, *University of Regensburg, Regensburg, Germany*

9:00-9:30 **Keynote Talk 4**
Novel pathways controlling sperm nuclear migration during flowering plant fertilization
Tomokazu Kawashima, *University of Kentucky, Lexington, KY, USA*

9:30-9:50 Abstract Talk 4.1
RNA binding proteins at the nexus of pollen tube guidance
Said Hafidh, *Institute of Experimental Botany of the Czech Academy of Sciences, Prague, Czech Republic*

9:50-10:10 Abstract Talk 4.2
The JAGGER GPI-anchor defines the protein subcellular localization. Does it mediate JAGGER function?
Sílvia Coimbra, *Universidade do Porto, Portugal*

10:10-10:30 Abstract Talk 4.3
Redox interplay of ROS-level dynamics and glutathione metabolism upon gamete fusion and subsequent zygotic development in rice
Kasidit Rattanawong, *Tokyo Metropolitan University, Japan*

10:30-11:10 *Coffee Break*

11:10-11:30 Abstract Talk 4.4
“Cells-in-a-cell”: Which roles for the endo-plasma membrane that wraps the sperm cells?
Thomas Widiez, *Université de Lyon, France*

PROGRAMME

11:30-11:50 Abstract Talk 4.5
Fertilization initiates seed nutrition by degradation of callose deposition at the phloem end
Ryushiro Kasahara, *Nagoya University, Japan*

11:50-12:10 Abstract Talk 4.6
ECS1 and ECS2 suppress the formation of haploid plants by promoting double fertilization
Thomas Nakel, *University of Bremen, Germany*

12:10-13:00 *Lunch*

Excursion
Prague City Centre
(13:00-15:00)

15:00-18:00 Session 5: Apomixis, Evolution and Ecology
Chair: Viktor Žárský, *Charles University, Prague, Czech Republic*

15:00-15:30 Keynote Talk 5
From single cells to flowers: Gene-regulatory mechanisms controlling organ specification in *Arabidopsis* flowers
Kerstin Kaufmann, *Humboldt-University, Berlin, Germany*

15:30-15:50 Abstract Talk 5.1
Transcriptome analysis of sexual and apomictic *Boechera* leads to identification of the RNA helicase GAM as crucial regulator for gametogenesis
Anja Schmidt, *Heidelberg University, Germany*

15:50-16:10 Abstract Talk 5.2
Development and evolution in male gametogenesis
David Twell, *University of Leicester, UK*

PROGRAMME

16:10-16:30 Abstract Talk 5.3
Genomic and ecological differentiation in a South American grass
Diego Hojsgaard, *Leibniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany*

16:30-17:00 *Coffee Break*

17:00-17:20 Abstract Talk 5.4
Pollen number is regulated by REDUCED POLLEN NUMBER1 encoding ribosome assembly factor and is characterized by an enriched selection signal among traits related to selfing syndrome in *Arabidopsis thaliana*
Kentaro K. Shimizu, *University of Zurich, Zurich, Switzerland*

17:20-17:40 Abstract Talk 5.5
Pre-zygotic mate selection in *Nicotiana attenuata*
Patrycja Baraniecka, *Max Planck Institute for Chemical Ecology, Jena, Germany*

17:40-18:00 Abstract Talk 5.6
Phylogenetic and expression analysis of CENH3 and APOLLO genes in sexual and apomictic *Boechera* species
Vladimir Brukhin, *Komarov Botanical Institute, Russian Academy of Sciences, St. Petersburg, Russia*

18:00-20:00 Poster Session 2

Thursday June 23

9:00-12:50

Session 6: Embryogenesis, Seed and Fruit Development

Chair: David Honys, *Czech Academy of Sciences, Prague, Czech Republic*

9:00-9:30

Keynote Talk 6

Apoplastic modifications in plant reproductive development: The (w)hole story

Gwyneth Ingram, *Université de Lyon, France*

9:30-9:50

Abstract Talk 6.1

Embryonic elimination and post-meiotic drive of chromosomes – different sites of the same coin?

Andreas Houben, *Leibniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany*

9:50-10:10

Abstract Talk 6.2

Setting up the stage for analyzing parental-dosage-dependent effects on barley grain development

Anna Nowicka, *Institute of Experimental Botany of the Czech Academy of Sciences, Olomouc, Czech Republic*

10:10-10:30

Abstract Talk 6.3

High temperatures impact on early seed development and embryo morphogenesis in *Arabidopsis thaliana*

Juan Francisco Sánchez López, *CEITEC Masaryk University, Brno, Czech Republic*

10:30-11:10

Coffee Break

11:10-11:30

Abstract Talk 6.4

Do *VIM* genes have a role in embryo and endosperm development?

Karina Orozco Natividad, *Centro de Investigación y de Estudios Avanzados (Cinvestav), Irapuato, México*

PROGRAMME

11:30-11:50 Abstract Talk 6.5
Distinct parental signals polarize the *Arabidopsis* zygote to initiate the embryonic patterning process
Martin Bayer, *Max Planck Institute for Biology, Tübingen, Germany*

11:50-12:10 Abstract Talk 6.6
Time to sleep or to germinate? A case of legumes seed dormancy
Petr Smýkal, *Palacký University in Olomouc, Czech Republic*

12:10-12:30 Abstract Talk 6.7
Seed coat-derived brassinosteroids non-cell autonomously regulate endosperm development
Rita B. Lima, *University of Potsdam, Germany*

12:30-12:50 Abstract Talk 6.8
Small RNA functions in plant embryos
Michael Nodine, *Wageningen University, The Netherlands*

12:50-14:00 *Lunch*

14:00-17:10 Session 7: Epigenetic Mechanisms
Chair: Thomas Dresselhaus, *University of Regensburg, Regensburg, Germany*

14:00-14:30 Keynote Talk 7
Regulation and function of endosperm cellularization
Claudia Köhler, *Max Planck Institute of Molecular Plant Physiology, Potsdam-Golm, Germany*

14:30-14:50 Abstract Talk 7.1
Active DNA demethylation in pollen counteracts heterochromatic silencing
Daniel Bouyer, *École Normale Supérieure de Lyon, France*

PROGRAMME

14:50-15:10 Abstract Talk 7.2
Temperature stress impairs centromere structure and segregation of meiotic chromosomes in *Arabidopsis*
Karel Řiha, *CEITEC Masaryk University, Brno, Czech Republic*

15:10-15:30 Abstract Talk 7.3
RNA directed DNA methylation impacts seed development in the obligate outcrosser *Capsella grandiflora*
Mark A Beilstein, *University of Arizona, Tucson, AZ, USA*

15:30-16:10 *Coffee Break*

16:10-16:30 Abstract Talk 7.4
DNA methylation and genetic imprinting in water lily (*Nymphaea*) seeds: implications for endosperm and seed evolution
Rebecca A. Povilus, *Whitehead Institute, Cambridge MA, USA*

16:30-16:50 Abstract Talk 7.5
Homology-based regulation of pollen-side dominance hierarchy between small RNAs and their targets in *Brassicaceae*.
Risa Kobayashi, *Nara Institute of Science and Technology, Japan*

16:50-17:10 Abstract Talk 7.6
Exploring the cellular basis of organ curvature using 3D digital ovules
Kay Schneitz, *Technical University of Munich, Freising, Germany*

17:10-18:00 General Assembly

Conference Dinner

(19:00-21:00)

City of Prague Mayor's Residency

Mariánské náměstí 1/98, Praha 1 – Staré Město

Friday June 24

9:00-9:40 **Special Keynote Talk**
Membrane receptor kinase signaling proteins in plant development
Michael Hothorn, *University of Geneva, Switzerland*

9:40-11:50 **Session 8: Applications in Plant Breeding**
Chair: Karina van der Linde, *University of Regensburg, Germany*

9:40-10:10 **Keynote Talk 8**
Exploitation of uniparental genome elimination for accelerated plant breeding and genetics
Ravi Maruthachalam, *Indian Institute of Science Education and Research, Vithura, Kerala, India*

10:10-10:50 *Coffee Break*

10:50-11:10 Abstract Talk 8.1
Pollen and ovule quality analysis for plant reproduction
Iris Heidmann, *Acepo, Enkhuizen, The Netherlands*

11:10-11:30 Abstract Talk 8.2
Genome-wide association analysis of wild and domesticated barley identifies hitherto unknown domestication loci as well as new breeding targets for important yield traits
Jesper Harholt, *Carlsberg Research Laboratory, Copenhagen, Denmark*

11:30-11:50 Abstract Talk 8.3
Generation of haploidy inducers in barley by targeted mutagenesis
Jochen Kumlehn, *Leibniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany*

11:50-12:10 **Meeting Closure**

12:10-13:10 *Lunch*

P52 A chromosome scale assembly of *Eragrostis curvula* genome identify a region linked to apomixis

Carballo Jose¹, Zappacosta Diego^{1,2}, Selva Juan Pablo^{1,3}, Bellido Andres¹, Caccamo Mario⁴, Albertini Emidio⁵, Echenique Viviana^{1,2}

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⁴NIAB, Cambridge, UK

⁵Dipartimento di Scienze Agrarie, Alimentari e Ambientali, Università degli Studi di Perugia, Perugia, Italy

Eragrostis curvula is a grass species that is being studied in order to identify the genes and genomic regions involved in apomixis, an asexual mode of reproduction that avoid meiosis (apomeiosis) and fertilization of the egg cell and develops an embryo by parthenogenesis. Transferring apomixis to economically important crops will revolutionize the agriculture as we know it today since it can fix the hybrid vigor for generations. The identification of genomic regions associated to this trait and its regulatory components is central to transfer apomixis to other crops. In this way, we already sequenced a sexual diploid genotype, however, more complex apomictic tetraploids are necessary to perform comparative analyses. The tetraploid genome of the apomictic genotype Don Walter (2n=4x=40, ~1200 Mb) was sequenced using a combination of technologies to obtain a chromosome scale assembly. We used 10x genomic reads that were assembled with supernova software. Then, 20x of nanopore long reads were added with DGB2OLC software. Finally, Omni-C, the latest proximity ligation technology was used for scaffolding. The assembly has 1,171 Mb distributed in 3037 scaffolds. The N50 was 96 Mb and the number of genes was 133,619. The completeness of the genome was assessed using the BUSCO software finding 96,6% of complete genes. Performing a syntenic analysis with the diploid assembly we could get fully covered the 10 basic chromosomes of *E. curvula*. Through this analyses we could find regions that are only present in the apomictic genotype. Interestingly, SNPs markers linked to apomixis and candidates genes previously identified were mapped on a single region, together with other genes related to reproduction. Since the genome is collapsed in 10 chromosomes we could not distinguish if this region is present in all the haplotypes. More nanopore reads will be added in order to obtain an haplotype resolved assembly.

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	Monday	Tuesday	Wednesday	Thursday	Friday				
9:00									
9:10									
9:20									
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10:00									
10:10	Registration and Poster Mounting	Session 2: Gametogenesis and Meiosis Chair: Ueli Grossniklaus	Session 4: Fertilization Mechanisms Chair: Stefanie Sprunck	Session 6: Embryogenesis, Seed and Fruit Development Chair: David Honys	Special Keynote Talk				
10:20						Keynote Talk 2	Keynote Talk 4	Keynote Talk 6	
10:30						Abstract talk 2.1	Abstract talk 4.1	Abstract talk 6.1	
10:40						Abstract talk 2.2	Abstract talk 4.2	Abstract talk 6.2	
10:50						Abstract talk 2.3	Abstract talk 4.3	Abstract talk 6.3	
11:00						Coffee Break	Coffee Break	Coffee Break	
11:10						Abstract talk 2.4	Abstract talk 4.4	Abstract talk 6.4	
11:20						Abstract talk 2.5	Abstract talk 4.5	Abstract talk 6.5	
11:30						Abstract talk 2.6	Abstract talk 4.6	Abstract talk 6.6	
11:40						Abstract talk 2.7	Lunch	Abstract talk 6.7	
11:50	Abstract talk 2.8	Abstract talk 6.8							
12:00									
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13:00	Lunch	Lunch	Excursion - Prague City Centre	Lunch	Meeting Closure				
13:10									
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14:00	Conference Opening	Session 3: Pollen-Pistil Interactions and Pollen Tube Growth Chair: Ravi Palanivelu	Session 5: Apomixis, Evolution and Ecology Chair: Viktor Zársky	Session 7: Epigenetic Mechanisms Chair: Thomas Dresselhaus	Session 8: Applications in Plant Breeding, Chair: Karina van der Linde				
14:10						Keynote Talk 1	Keynote Talk 3	Keynote Talk 5	Keynote Talk 7
14:20						Abstract talk 1.1	Abstract talk 3.1	Abstract talk 5.1	Abstract talk 7.1
14:30						Abstract talk 1.2	Abstract talk 3.2	Abstract talk 5.2	Abstract talk 7.2
14:40						Abstract talk 1.3	Abstract talk 3.3	Abstract talk 5.3	Abstract talk 7.3
14:50						Coffee Break	Coffee Break	Coffee Break	Coffee Break
15:00						Abstract talk 1.4	Abstract talk 3.4	Abstract talk 5.4	Abstract talk 7.4
15:10						Abstract talk 1.5	Abstract talk 3.5	Abstract talk 5.5	Abstract talk 7.5
15:20						Abstract talk 1.6	Abstract talk 3.6	Abstract talk 5.6	Abstract talk 7.6
15:30						Abstract talk 1.7	Abstract talk 3.8		
15:40									
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16:00	Welcome Drink	Poster Session 1	Poster Session 2	General Assembly	Conference Dinner				
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