Tuesday, 6 April

2pm — **Welcome speech**
Room 1

2:15pm — **Keynote Session**
Room 1

2:15pm — **The genetic and epigenetic landscape of the Arabidopsis centromeres**
» Mr. Ian Henderson

3pm — **Oral Session 1**
Room 1

3pm — **Protecting the centers – Exploring the regulatory network surrounding SHUGOSHIN**
» Ms. Franziska Böwer, Dr. Chao Yang, Dr. Yuki Hamamura, Dr. Shinichiro Komaki, Prof. Arp Schnittger

3:20pm — **Targeted meiotic recombination in Arabidopsis and Brassica**
» Ms. Carolina Saad, Mr. Michael Janisiw, Dr. Konstantin Tomanov, Dr. Jason Sims, Dr. Marie-Therese Kurzbauer, Dr. Bernd Edlinger, Dr. Bert J. van der Zaal, Dr. Gregory P. Copenhaver, Dr. Peter Schlögelhofer

3:40pm — **Break**
Networking Area

4pm — **Flash Session 1**
Room 1

Recombination landscapes and genome evolution in Angiosperms
» Mr. Thomas Brazier

Cataloging human PRDM9 allelic variation using long-read sequencing reveals PRDM9 population-specificity and two distinct groupings of related alleles
» Dr. Benjamin Alleva, Dr. Kevin Brick, Dr. Florencia Pratto, Dr. Mini Huang, Dr. R. Daniel Camerini-Otero

Illuminating the role of meiotic host/transposon conflicts in the germline-specific neo-functionalization of transposon-derived genes
» Dr. Raphaelle Laureau, Ms. Annie Dyatel, Ms. Gizem Dursuk, Dr. Gianni Liti, Dr. Ian Adams, Dr. Luke Berchowitz

Testing the effect of structural differences and SNPs on crossover frequency at the hotspot scale
» Mrs. Maja Szymanska-Lejman, Mr. Wojciech Dziegielewski, Mrs. Julia Dluzewska, Ms. Nadia Kbiri, Dr. Piotr Ziolkowski

Functional analysis of interactions between hybrid sterility locus Hstx2 and PRDM9 during meiotic recombination initiation
» Mrs. Elena Damm, Dr. Khawla AbuAlia, Mr. Marvin Suhr, Dr. Linda Odenthal-Hesse

4pm — **Flash Session 2**
Room 2

From hills to mountains: the recombination landscape in Brassica AAC allotriploids
» Mr. Franz Boideau, Mr. Loeiz Maillet, Mrs. Gwenn Trotoux, Mrs. Virginie Huteau, Mrs. Maryse Taburel, Mrs. Frédérique Eber, Mrs. Marie Gilet, Mr. Alain Bamme, Ms. Anael Brunet, Mr. Jérôme Morice, Dr. Julien Boutte, Dr. Gautier Richard, Mr. Cyril Falentin, Dr. Olivier Coriton, Dr. Mathieu Rousseau-Gueutin, Dr. Anne-Marie Chèvre

Characterizing Recombination Landscape in Arabidopsis arenosa diploids
» Dr. Marinela Dukic, Prof. Kirsten Bomblies

Sexually dimorphic DNA damage responses and mutation avoidance in the mouse germline
» Dr. Jordana Bloom, Dr. John Schimenti

Continued from **Tuesday, 6 April**

Unconventional conservation reveals structure-function relationships in the synaptonemal complex
» Dr. Lisa Kursel, Dr. Ofer Rog

Changes in meiotic crossover distribution and frequency in response to chromosome structural variants
» Ms. Christiana Wang, Dr. Nicole Crown

4pm **Flash Session 3**
Room 3

An essential role of TOPBP1 in male fertility dispensable for organismal viability
» Ms. Jennie Sims, Dr. Carolline Fernanda Ascencao, Dr. Paula Cohen, Dr. Robert Weiss, Dr. Marcus Smolka

The Genome-wide recombination rate in mammals is modified by a single cSNP in the synaptonemal complex component SIX6OS1
» Mr. Fernando Sánchez-Sáez, Dr. Laura Gómez-H, Dr. Natalia Felipe-Medina, Mx. Yazmine B. Condezo, Ms. Raquel Sainz-Urruela, Dr. Manuel Sánchez-Martín, Ms. Isabel Ramos, Dr. Elena Llano, Dr. Alberto M Pendás

Sycp1 is not required for subtelomeric DNA double-strand breaks but is required for homologous alignment in zebrafish spermatocytes.
» Dr. Yukiko Imai, Dr. Noriyoshi Sakai

Studying the structure and function of the synaptonemal complex in C. elegans meiosis
» Ms. Ivana Cavka, Mr. Yu-Le Wu, Dr. Jonas Ries, Dr. Simone Koehler

Novel centrosomal role for TEX12.
» Ms. Rebecca Price, Dr. Sumit Sandhu, Prof. Neil Hunter, Dr. Urszula McClurg

4:30pm **Oral Session 2**
Room 1

4:30pm **Characterizing the sexually dimorphic role of Topoisomerase II during meiosis**
» Ms. Christine Rourke, Dr. Aimee Jaramillo-Lambert

4:50pm **The role of Spo13 and Cdc5 in the establishment of monoorientation**
» Ms. Aleksandra Pompa, Dr. Stefan Galander, Dr. Christos Spanos, Prof. Juri Rappsilber, Prof. Adèle L. Marston

5:10pm **Extensive genome reorganization in mammalian meiotic prophase I**
» Dr. Gang Cheng, Dr. Mini Huang, Dr. Florencia Pratto, Dr. Kevin Brick, Dr. Gabriel Lam, Dr. R. Daniel Camerini-Otero

5:30pm **ATM-independent Meiotic DNA Double-strand Break Interference**
» Dr. Martin White, Dr. Ignasi Roig, Prof. Nancy Kleckner

5:50pm **Break**
Networking Area

Wednesday, 7 April

2pm **Keynote Session**
Room 1

2pm **How to tango with four: Meiotic adaptation to whole genome duplication**
» Prof. Kirsten Bomblies

2:45pm **Oral Session 1**
Room 1

Continued from **Wednesday, 7 April**

2:45pm **STRA8-RB interaction coordinates the S phase entry with meiotic initiation and is required for proper oocyte development**
» Dr. Ryuki Shimada, Prof. Kei-ichiro Ishiguro

3:05pm **The CHK-2 antagonizing phosphatase PPM-1.D regulates meiotic entry**
» Dr. Antoine Baudrimont, Dr. Dimitra Paouneskou, Dr. Ariz Mohammad, Mr. Raffael Lichtenberger, Dr. Markus Hartl, Dr. Sebastian Falke, Dr. Tim Schedl, Dr. Verena Jantsch

3:25pm **Break**
Networking Area

3:45pm **Flash Session 1**
Room 1

A cytoplasmic population of Pch2/TRIP13 supports the meiotic recombination checkpoint response
» Dr. Esther Herruzo, Dr. Jesús A. Carballo, Dr. Pedro A. San-Segundo

Cdc5-dependent regulation of Swe1 during the meiotic recombination checkpoint response
» Ms. SARA GONZÁLEZ ARRANZ, Ms. Nahia Hernández Quitián, Dr. Jesús A. Carballo, Dr. Pedro A. San-Segundo

Meiosis occurs normally in the fetal ovary of mice lacking all retinoic acid receptors
» Ms. Diana Condrea

Comprehending the distinct cell states and transition point in meiotic prophase I essential to the completion of mouse spermatogenesis
» Mr. Theophilus Ajiro, Dr. Michael Klutstein

14-3-3 proteins Bmh1 and Bmh2 regulate meiotic commitment by activating Ndt80 and Polo kinase
» Mr. Janardan Gavade, Mr. Christopher Puccia, Dr. Soni Lacefield

3:45pm **Flash Session 2**
Room 2

Meiotic DSBs are required for correct synapsis of homologous chromosomes in the jellyfish Clytia hemisphaerica
» Dr. Catriona Munro, Dr. Evelyn Houliston, Dr. Jean-Rene Huynh

Elucidating the role of transcription in meiotic DNA double-strand break patterning using the bi-nucleated Tetrahymena thermophila
» Dr. Miao TIAN, Prof. Josef LOIDL

Interlock resolution in a physical model of pairing chromosomes
» Mr. Erik Navarro, Dr. Jennifer Fung, Dr. Wallace Marshall

Meiotic double-strand breaks induce phosphoproteome changes, but not proteome changes
» Ms. Funda Kar, Dr. Christine Vogel, Dr. Andreas Hochwagen

The role of non-coding RNAs in homologous chromosome pairing in C. elegans meiosis.
» Dr. Cristina Piñeiro López, Dr. Simone Koehler

3:45pm **Flash Session 3**
Room 3

Identification of novel BRCA2-binding proteins that are essential for meiotic homologous recombination
» Dr. Jingjing Zhang

Large contact domains in spo11 Hi-C maps correlate with regions of early DNA break formation in meiosis.
» Ms. Ellie Wright, Dr. Matt Neale

Continued from **Wednesday, 7 April**

Meiotic double-cuts regulation relies on MRX-Tel1 interaction
» Ms. Marie Dorme

Revealing distinct configurations of DMC1 and RAD51 using super-resolution imaging in maize meiocytes
» Dr. CJ Rachel Wang, Ms. Mitylene Smith, Ms. Mitylene Smith

Role of Fignl1- Flip during mouse meiotic recombination
» Mr. Akbar Zainu, Dr. Bernard de Massy, Dr. Frédéric Baudat

4:15pm **Oral Session 2**
Room 1

4:15pm **In-depth analysis of Cdc14 meiotic behaviour reveals a novel pre-anaphase I role for the phosphatase.**
» Ms. Paula Alonso-Ramos, Ms. Marta Fernández-Díaz, Dr. Pedro A. San-Segundo, Dr. Jesús A. Carballo

4:35pm **Turning a coldspot into a hotspot: targeted recruitment of axis protein Hop1 stimulates meiotic recombination**
» Dr. Anura Shodhan

4:55pm **Genomic localization and dynamics of HORMAD1 and MEI4 in mouse**
» Ms. Mathilde Biot, Dr. Attila Toth, Dr. Corinne Grey, Dr. Bernard de Massy

5:15pm **A theoretical and mechanistic model of PRDM9-dependent evolutionary dynamics of recombination**
» Ms. Alice Genestier, Dr. Nicolas Lartillot

5:35pm **Break**
Networking Area

6pm **Open Job Session**
Networking Area

Thursday, 8 April

2pm **Keynote Session**
Room 1

2pm **New insights into aneuploidy in mammalian embryos**
» Dr. Melina Schuh

2:45pm **Oral Session 1**
Room 1

2:45pm **Dynamic and stable cohesin in oocytes**
» Dr. Michelle Stevense, Prof. Rolf Jessberger

3:05pm **Investigating chromosome-specific differences during meiosis**
» Dr. Katie Billmyre, Dr. Blake Billmyre, Dr. R. Scott Hawley

3:25pm **Break**
Networking Area

3:45pm **Flash Session 1**
Room 1

DDX-TS as a new component of the Chromatoid Body essential for mouse spermatogenesis
» Ms. Raquel Sainz-Urruela, Dr. Natalia Felipe-Medina, Mx. Yazmine B. Condezo, Mr. Fernando Sánchez-Sáez, Dr. Manuel Sánchez-Martín, Ms. Isabel Ramos, Dr. Elena Llano, Dr. Alberto M Pendás

Towards a cytological framework of female meiosis in Arabidopsis by live cell imaging
» Dr. Maria Prusicki, Prof. Arp Schnittger

Continued from **Thursday, 8 April**

Assessing the Role of Mismatch Repair System in Crossover Distribution

» Mrs. Julia Dluzewska, Dr. Piotr Ziolkowski, Mrs. Maja Szymanska-Lejman, Ms. Nadia Kbiri

Three-color dSTORM microscopy in Hormad1-/- spermatocytes reveals alterations in recombination intermediates

» Ms. Lieke Koornneef, Ms. Esther Sleddens-Linkels, Dr. Johan Slotman, Prof. Attila Toth, Prof. Adriaan Houtsmuller, Dr. Willy Baarends

Meiotic axis structure in Brassica crops: The role of the coiled-coil domain protein ASY3 in B. rapa

» Mr. Miguel Pachon-Penalba, Dr. Eugenio Sanchez-Moran

3:45pm **Flash Session 2**

Room 2

Centromere drive and suppression by parallel pathways for recruiting microtubule destabilizers

» Mr. Tomohiro Kumon, Dr. Ma Jun, Dr. Derek Stefanik, Dr. C. Erik Nordgren, Mr. R. Brian Akins, Prof. Junhyong Kim, Prof. Mia Levine, Prof. Michael Lampson

Cytoplasmic forces functionally reorganize nuclear condensates in growing oocytes

» Dr. Adel Al Jord, Dr. Gaelle Letort, Dr. Adrien Eichmuller, Dr. Soline Chanet, Dr. Jean-Rene Huynh, Dr. Nir Gov, Dr. Raphael Voituriez, Dr. Marie-Emilie Terret, Dr. Marie-Hélène Verlhac

The PP2A inhibitor and histone chaperone SET/I2PP2A is essential to generate euploid oocytes

» Ms. Leonor Keating, Dr. Yulia Gryaznova, Dr. Warif El Yakoubi, Dr. Nora Bouftas, Mr. Damien Cladière, Dr. Ning Kon, Prof. Wei Gu, Prof. Katja Wassmann

Relation between chromosome attachment and tension in meiosis II.

» Mr. Antoine Langeoire, Ms. Alison Kem-Seng, Dr. Eulalie Buffin, Dr. Katja Wassmann

Paternal USP26 Mutations Raise Klinefelter Syndrome Risk in Their Offspring

» Dr. Chao Liu, Dr. Haobo Zhang, Dr. Hongbin Liu, Dr. Lina Wang, Ms. Mengjing Li, Mr. Xiuge Wang, Ms. Li Wang, Ms. Ruidan Zhang, Ms. Wenwen Liu, Dr. Yu Liang, Ms. Liying Wang, Mr. Xiaohui Song, Mr. Shizhen Su, Dr. Hui Gao, Dr. Kui Liu, Dr. Mengcheng Luo, Dr. Fei Gao, Dr. Qi Chen, Dr. Wei Li, Dr. Zi-Jiang Chen

3:45pm **Flash Session 3**

Room 3

Impact of Cdk activity during meiotic divisons on the generation of healthy oocytes

» Ms. Dunja Celebic, Prof. Katja Wassmann, Dr. Sandra Touati

Loss of heterochromatin and retrotransposon silencing constitute an early phase in oocyte aging

» Mrs. Pe'era Wasserzug Pash, Mrs. Rachel Rothman, Dr. Eli Reich, Dr. Oshrat Schonberger, Dr. Yifat Weiss, Dr. Naama Srebnik, Mrs. Yaara Cohen Hadad, Dr. Amir Weintraub, Prof. Ido Ben Ami, Prof. Hananel Holzer, Dr. Michael Klutstein

Inhibition of protein translation is required for meiotic exit and transition to pollen development in Arabidopsis

» Mr. Albert Cairo, Mrs. Anna Vargova, Mr. Claudio Capitao, Mrs. Pavlina Mikulkova, Ms. Sona Valuchova, Mr. Karel Riha

MAPK signalling stands at the base of female germline aging

» Mrs. Roni Falk

The role of Mad3 beyond the spindle assembly checkpoint in meiosis

» Ms. Anuradha Mukherjee, Dr. Christos Spanos, Prof. Juri Rappsilber, Prof. Adèle L. Marston

Continued from **Thursday, 8 April**

4:15pm **Oral Session 2**
Room 1

4:15pm **Building the mammalian synaptonemal complex**
» Dr. James Crichton, Dr. James Dunce, Dr. Orla Dunne, Dr. Lucy Salmon, Prof. Ian Adams, Dr. Owen Davies

4:35pm **The ZMM protein Zip4 directly couples meiotic crossover formation to synaptonemal complex assembly**
» Ms. Alexandra Pyatnitskaya, Dr. Jessica Andréani, Dr. Raphael Guerois, Dr. Arnaud De Muyt, Dr. Valérie Borde

4:55pm **The synaptonemal complex imposes crossover interference and heterochiasmy in Arabidopsis**
» Ms. Laia Capilla-Pérez, Ms. Stéphanie Durand, Ms. Aurélie Hurel, Mr. Qichao Lian, Ms. Aurélie Chambon, Ms. Christelle Taochy, Mr. Victor Solier, Ms. Mathilde Grelon, Mr. Raphael Mercier

5:15pm **DNA repair is altered during C. elegans germline aging**
» Mr. Erik Toraason, Ms. Victoria Adler, Prof. Diana Libuda

5:35pm **Break**
Networking Area

6pm **Best poster price, Concluding remarks**
Room 1