
Wednesday 25 September 2019

- 11:00 - 12:30 **Registration and Lunch**
PRBB Inner Square
- 12:30 - 13:00 **Welcome by Edith Heard, EMBL Director General**
PRBB Auditorium
- 13:00 - 14:30 **EMBL Partnership Institutes updates**
PRBB Auditorium
- 13:00 - 13:30 **Nordic EMBL Partnership (MIMS, NCMM, FIMM, DANDRITE)**
Poul Nissen
PRBB Auditorium
- 13:30 - 13:40 **MMPU**
Martina Muckenthaler
PRBB Auditorium
- 13:40 - 13:50 **CRG**
Luis Serrano
PRBB Auditorium
- 13:50 - 14:00 **EMBL Australia Partnership Laboratory**
Ville-Petteri Mäkinen
PRBB Auditorium
- 14:00 - 14:10 **Hubrecht Institute**
Jeroen den Hertog
PRBB Auditorium

EMBL Partnership Conference: Perspectives in Translational Medicine

- 14:10 - 14:20 **HCEMM**
Tamás Biro
PRBB Auditorium
- 14:20 - 14:30 **BRAINCITY**
Leszek Kaczmarek
PRBB Auditorium
- 14:30 - 15:00 **Coffee break**
PRBB Terrace
- 15:00 - 16:30 **Session 1: Genome organization**
Chair: Sara Sdelci - CRG, Spain
PRBB Auditorium
- 15:00 - 15:30 **Keynote lecture: Exploring the dynamic relationship between gene expression and chromosome organisation during X-chromosome inactivation** 1
Edith Heard
EMBL Heidelberg, Germany
- 15:30 - 15:45 **Combining transcriptional and post-transcriptional regulation to predict somatic mutations altering the gene regulatory program in cancer cells** 2
Anthony Mathelier
NCMM, University of Oslo, Norway
- 15:45 - 16:00 **Different kinds of cell plasticity revealed by differential response to lineage-instructive transcription factors** 3
Thomas Graf
CRG, Spain
- 16:00 - 16:15 **Evolution of the human brain and the emergence of neural disorders** 4
Menno Creyghton
Hubrecht Institute, The Netherlands

- 16:15 - 16:30 **From epigenetic variation across individuals to insights into disease and ageing** 5
Judith Zaugg
EMBL Heidelberg, Germany
- 16:30 - 17:00 **Coffee break**
PRBB Terrace
- 17:00 - 17:15 **Session 1 (cont.): Genome organization**
Chair: Sara Sdelci - CRG, Spain
PRBB Auditorium
- 17:00 - 17:15 **Iron homeostasis – A balancing act** 6
Martina Muckenthaler
MMPU, University of Heidelberg, Germany
- 17:15 - 18:00 **Flash talk session 1:**
29,30,33,37,39,41,45,47,53,57,59,67,69,75,79,83,91,97,99
PRBB Auditorium
- 18:00 - 20:00 **Poster session 1 (odd numbers) and get together**
PRBB Inner Square

Thursday 26 September 2019

09:30 - 11:00	Session 2: Host-pathogen interaction and immunity Chair: Barbara Sixt - MIMS, Sweden PRBB Auditorium	
09:30 - 10:00	Keynote lecture: Functional profiling of a Plasmodium genome Oliver Billker <i>MIMS, Umeå University, Sweden</i>	7
10:00 - 10:15	Immune disorders: From bedside to bench and back Janna Saarela <i>NCMM, University of Oslo, Norway</i>	8
10:15 - 10:30	The influence of the gut microbiota in early-life on optimal vaccine responses David Lynn <i>SAHMRI, EMBL Australia Partnership Laboratory, Australia</i>	9
10:30 - 10:45	Spatial metabolomics and lipidomics in tissues and single cells Theodore Alexandrov <i>EMBL Heidelberg, Germany</i>	10
10:45 - 11:00	Regulation of intestinal inflammation by extracellular ATP Andrea Puhar <i>MIMS, Umeå University, Sweden</i>	11
11:00 - 11:30	Coffee break PRBB Terrace	
11:30 - 12:15	Flash talk session 2: 26,34,40,42,48,52,60,64,72,78,86,88,90,96,98 PRBB Auditorium	
12:15 - 14:30	Poster session 2 (even numbers) and lunch PRBB Inner Square	
14:30 - 16:00	Session 3: Translational neuroscience Chair: Hiroki Asari - EMBL Rome, Italy PRBB Auditorium	

Programme

14:30 - 15:00	Keynote lecture: Genetics in psychiatry: Promise and progress Mark Daly <i>FIMM, University of Helsinki, Finland</i>	12
15:00 - 15:15	Discovering modulators for astrocyte stress response pathways Pirjo Apaja <i>SAHMRI, EMBL Australia Partnership Laboratory, Australia</i>	13
15:15 - 15:30	Targeted therapy of cognitive deficits in Fragile X Syndrome Ewelina Knapska <i>BRAIN CITY, Nencki Institute of Experimental Biology, Poland</i>	14
15:30 - 15:45	Visual motion processing in mice: Circuits and disease Keisuke Yonehara <i>DANDRITE, Aarhus University, Denmark</i>	15
15:45 - 16:00	Pathological mutations in LSD1 interrupt ZEB1/2 transcription factor and alter developmental gene expression Kyung-Min Noh <i>EMBL Heidelberg, Germany</i>	16
16:00 - 16:30	Coffee break PRBB Terrace	
16:30 - 17:45	Session 4: Model systems and disease modelling Chair: Anders Nykjær - DANDRITE, Denmark PRBB Auditorium	
16:30 - 17:00	Keynote lecture: Modeling human syndromes in zebrafish Jeroen den Hertog <i>Hubrecht Institute, The Netherlands</i>	17

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17:00 - 17:15	Modeling the segmentation clock in vitro Miki Ebisuya <i>EMBL Barcelona, Spain</i>	18
17:15 - 17:30	RNA binding proteins in cancer progression Fátima Gebauer <i>CRG, Spain</i>	19
17:30 - 17:45	Spatial transcriptomics reveal regulators of hematopoietic stem cell birth Catherine Robin <i>Hubrecht Institute, The Netherlands</i>	20
17:45 - 18:45	Aperitif PRBB Terrace	
19:00 - 22:00	Conference Dinner Marina Bay	

Friday 27 September 2019

09:30 - 11:00	Session 5: Networks and computer modelling Chair: Jan Kosinski - EMBL Hamburg, Germany PRBB Auditorium	
09:30 - 10:00	Keynote lecture: Bacterial lung chassis for treating human lung infectious diseases Luis Serrano <i>CRG, Spain</i>	21
10:00 - 10:15	Informatics approaches for functional precision medicine in cancer Jing Tang <i>FIMM, University of Helsinki, Finland</i>	22
10:15 - 10:30	Network models from diverse omics data to understand and treat human disease Julio Saez-Rodriguez <i>MMPU, University of Heidelberg, Germany</i>	23
10:30 - 10:45	Direct identification of RNA modifications using third-generation sequencing Eva Maria Novoa <i>CRG, Spain</i>	24
10:45 - 11:00	Systems responses in time from population-based and experimental perspectives Ville-Petteri Mäkinen <i>SAHMRI, EMBL Australia Partnership Laboratory, Australia</i>	25
11:00 - 12:00	Closing remarks and poster prize announcement PRBB Auditorium	
12:00 - 13:00	Lunch PRBB Terrace	