



CMMC ANNUAL RETREAT

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February 06 - 07, 2019

Venue:

Tagungsstätte

Park-Hotel Nümbrecht

CMMC CENTER FOR
MOLECULAR MEDICINE COLOGNE



Program

Wednesday - February 06, 2019

9.45 - 10.50 a.m. Meeting of the CMMC Executive Board (for members of the EC Board only)

11.00 - 11.30 a.m. Welcome address and CMMC Progress Report (General assembly part I)
Thomas Benzing - Chair of the CMMC

Research Area A Mechanisms of tumor development: intrinsic and extrinsic control of cell proliferation and tissue invasion

Chair Margarete Odenthal - Institute for Pathology

11.30 - 11.50 a.m. C 10 - Metabolic regulation of skin barrier function in health and type II diabetes
Carlen M Niessen
Dept. of Dermatology and CECAD

11.50 - 12.10 p.m. A 8 - Cell death in the regulation of inflammation
Manolis Pasparakis
Institute for Genetics and CECAD

12.10 - 12.30 p.m. A 11 - Targeting oncogene-dependent lung cancer
Martin Sos
Institute for Pathology and Dept. of Translational Genomics

12.30 - 12.50 p.m. CAP 9 - Strategies to improve treatment efficacy of immune check point targeted therapy
Sven Borchmann - Roland Ullrich
Department I of Internal Medicine

12.50 - 2.00 p.m. Lunch Break
and Poster Presentation

2.00 - 2.30 p.m. Towards new challenges – official farewell
Hinrich Abken - Jay Gopalakrishnan - Argyris Papantonis - Alvaro Rada-Iglesias
Chair: Thomas Benzing

CMMC Junior Lectures

Chair Guenter Schwarz

2.30 - 3.00 p.m. Consequences of epigenome structural alterations and its relationship with genome instability for age-related predisposition to disease development
Robert Hänsel-Hertsch
Cancer Research UK Cambridge Institute, Cambridge - GB

3.00 - 3.30 p.m. Crosstalk of epigenetic regulators with(in) their chromatin environment
Simon Pöpsel
Institute for Quantitative Biosciences, University of California - Berkeley, US

3.30 - 3.50 p.m. Coffee Break - with Poster Presentation

Wednesday - Februar 06, 2019

3.50 - 4.30 p.m. **CMMC Senior Lecture**
Cell death in disease: inflammation beyond TNF
Henning Walczak - UCL Cancer Institute, London - GB
Laudatio - Thomas Benzing

4.30 - 4.50 p.m. Coffee Break - with poster presentation

Chair **Michal-Ruth Schweiger** - Laboratory for Epigenomics and Tumorgenetics

4.50 - 5.10 p.m. **A 12 - The role of RNA splicing in the maintenance of transcription and genome integrity**
Steffen Erkelenz - **Mirka Uhlirova**
Institute for Genetics and CECAD

5.10 - 5.30 p.m. **C 4 - Multi-omics systems genetics**
Andreas Beyer¹ - **Argyris Papantonis**²
CECAD Cologne¹ - Institute for Human Genetics, Univ. Göttingen & CMMC²

5.30 - 5.50 p.m. **A 7 - Stem cell function in skin cancer development**
Catherin Niemann
Institute for Biochemistry and CMMC

5.50 - 6.00 p.m. Coffee Break - with Poster Presentation

6.00 - 6.40 p.m. **CMMC Senior Lecture**
Role of basement membrane laminins in control of vascular function
Lydia Sorokin - Institute for Physiological Chemistry and Pathobiochemistry,
University of Münster - Münster, DE
Laudatio: Mats Paulsson

from 7.30 p.m. Reception and CMMC Dinner



Thursday - Feb. 07, 2019

Research Area B Principles of immunity, inflammation and infection

Chair Guenter Schwarz - Institute for Biochemistry

9.00 - 9.20 a.m. CAP 8 - Corticosteroids potently abrogate p38 MAPK dependent necrotic cell death induced by *Mycobacterium tuberculosis* - implications for host-derived therapies
Jessica Gräß - Jan Rybníček
Department I of Internal Medicine

9.20 - 9.40 a.m. RG - Why any more research in Zika virus infection?
Olaf Utermöhlen
Institute for Medical Microbiology, Immunology and Hygiene

9.40 - 10.00 a.m. B 4 - Control of host cell death by bacterial invaders
Hamid Kashkar
Institute for Med. Microbiology, Immunology and Hygiene and CECAD

10.00 - 10.20 a.m. CAP 11 - The contribution of macrophages to inflammatory corneal lymphangiogenesis
Deniz Hos
Department of Ophthalmology

10.20 - 10.40 a.m. Coffee Break - with Poster Presentation

Research Area C Molecular mechanisms and metabolic control of tissue degeneration and regeneration

Chair Aleksandra Trifunovic - Institute for Mitochondrial Diseases and Ageing and CECAD

10.40 - 11.00 a.m. C 2 - Intravital imaging of podocyte signaling reveals that podocytes in a dish are not happy
Matthias Hackl - Thomas Benzing
Department II of Internal Medicine

11.00 - 11.20 p.m. C 3 - Metabolic regulation of brain tissue repair by perivascular astrocytes
Matteo Bergami
CECAD

11.20 - 11.40 p.m. Assoc. JRG - Translational research for neuromuscular disorders: from genetic mutations to personalized medicine
Sebahattin Cirak
Department of Pediatrics and Adolescent Medicine

11.40 - 12.20 p.m. Lunch Break - with Poster Presentation

Chair Brunhilde Wirth - Institute of Human Genetics

12.20 - 12.40 p.m. C 5 - Anaerobic glycolysis maintains the glomerular filtration barrier independent of mitochondrial metabolism and dynamics
Paul Brinkkötter
Department II of Internal Medicine

12.40 - 1.00 p.m. C 8 - Development-specific phenotypes of HCN channelopathies in mice
Dirk Isbrandt¹ - Maria A Rüger² - Michael Schroeter² - Igor Jakovcevski¹
Institute for Molecular and Behavioral Neuroscience¹ and Department of Neurology²

1.00 - 1.20 p.m. C 15 - CLPP protease: friend or foe
Aleksandra Trifunovic
Institute for Mitochondrial Diseases and Ageing and CECAD

1.20 - 1.40 p.m. CAP 14 - Role of mitofusin 2 in health and disease
Mafalda Escobar-Henriques
Institute for Genetics and CECAD

1.40 - 2.00 p.m. Final discussion and leave-taking
Thomas Benzing – Chair of the CMMC