

CECAD Cologne
invites all scientists
to the

4th

CECAD Cologne Retreat

taking place

from 17. - 18. November

at

Seehotel, Maria Laach
56653 Maria Laach

Please use the form attached to register.

Programme

4nd CECAD-Retreat

17. – 18. November
Seehotel Maria Laach, 56653 Maria Laach

Thursday, 17. November

8:30 *Bus transfer from the Institut for Genetics*

10:00 Welcome and introduction
 Coordinator: Jens Brüning

Presentations of the new CECAD Groups

(20 min plus 10 min Discussion)

10:15 Bioinformatics in Biology
 (Bianca Habermann)

10:45 A functional genomics approach for identification of relevant target genes
 in segments of amplification
 (Roman Thomas)

11:15 Exploiting DNA repair defects for targeted cancer therapy
 (Christian Reinhardt)

11:45 *Coffee break*

12:00 Type I interferon mediated necroptosis exploited by *Salmonella*
 typhimurium
 (Nirmal Robinson)

12:30 Polarity regulators in skin diseases
 (Sandra Iden)

13:00 Lysine-acetylation in cytoskeleton regulation and signal transduction
 (Michael Lammers)

13:30 *Lunch*

**Short presentations of the CECAD Project Grants 2008 ff.
(15 min plus 5 min Discussion) (Part 1)**

- 14:30 The role of inflammatory signals in aging-associated colorectal cancer
(Thomas Wunderlich)
- 14:50 Regulation of organismal ageing through novel modifiers of the p53
response
(Thomas Benzing)
- 15:10 Mitochondrial dynamics and Parkinson's disease
(Nils-Göran Larsson)
- 15:30 *Coffee break*

Invited lecture

- 15:50 **The New Parkinson's Disease: Implications for Aging Studies**
(Donato A. Di Monte, DZNE)

**Short presentations of the CECAD Project Grants 2008 ff.
(15 min plus 5 min Discussion) (Part 2)**

- 16:50 The role of mitochondrial dysfunction for tau aggregation during
neurodegeneration
(Elena Rugarli)
- 17:10 MtDNA mutations, mitochondrial dysfunction and accelerated apoptosis in
aging: How do alterations of the respiratory chain modulate the
mitochondrial apoptotic pathway?
(Hamid Kashkar)
- 17:30 *Coffee break*

Members Assembly

- 17:50 Meeting for all members, incl. Postdocs and PhD-students
- 19:30 *Dinner*

Friday, 18. November

**Short presentations of the CECAD Project Grants 2008 ff.
(15 min plus 5 min Discussion) (Part 3)**

- 9:00 Structural and regulatory functions of Nesprins in aging and aging related diseases
(Angelika Nögel)
- 9:20 Oncogenic coregulation of TCL 1A and TOSO in survival signaling of CLL
(Lukas Frenzel)
- 9:40 Mechanisms of genomic instability and altered DNA damage response in Seckel syndrome
(Bernd Wollnik)
- 10:00 *Coffee break*

**Short presentations of the CECAD Project Grants 2008 ff.
(15 min plus 5 min Discussion) (Part 4)**

- 10:20 Role of inflammatory signalling pathways in atherosclerosis
(Manolis Pasparakis)
- 10:40 Contribution of mast cells and macrophages to regenerative processes and fibroplasia in ageing and ageing associated diseases
(Sabine Eming)
- 11:00 Molecular and functional basis for Dupuytren disease
(Hans Christian Hennies)
- 11:20 ω 3-Docosahexaenoic acid (22:6) is essential for species survival. Bulk versus specificity of PUFAs in membrane structure and function. A novel paradigm in membrane biology
(Wilhelm Stoffel)
- 11:40 Role of Longevity Assurance Genes (Ceramide Synthase Genes) in Membrane Senescence: Age-dependent modulations of TNF release and insulin receptor function and their consequences for pathogen defense and obesity-associated insulin resistance
(Martin Krönke + Jens Brüning)
- 12:00 *Lunch*
- 13:00 Genetic analysis of energy homeostasis regulation by the hypothalamic melanocortin system in developing and aging zebrafish
(Heiko Loehr)

- 13:20 Age associated changes of intrinsic electrophysiological properties and Ca²⁺ handling in hypothalamic neurocircuits (Peter Kloppenburg)
- 13:40 Metabolomic profiling of *C. elegans* longevity (Dan Magner)
- 14:00 The role of nuclear hormone receptor DHR96 in ageing in *Drosophila* (Linda Partridge)
- 14:20 Causes of reversible diabetes in IR/IRS-1 double heterozygous null mice (Mats Paulsson)
- 14:40 Regulation of epidermal progenitor cell aging by insulin/IGF signaling: role in aging associated skin diseases. (Carlen Niessen)
- 15:00 *End*

In case of any questions please do not hesitate to contact Maria Vilgertshofer (e-mail: maria.vilgertshofer@uk-koeln.de, phone: 470-7839).

4rd CECAD-Retreat

**November 17 - 18, 2011,
Seehotel Maria Laach**

REGISTRATION FORM for all CECAD PIs, PhDs and Postdocs.

Room Reservation

Name / Workgroup / E-Mail-Address (Please write legibly.)	overnight accommodat. 17. - 18.11.2011		bus Transfer Cologne-M. Laach M. Laach-Cologne		dinner 17.11.2011		vege- tarian	Interested in a tour by the monastery (45 min)	
	yes	no	yes	no	yes	no		yes	no

Remarks and/or suggestions of agenda items – Members Assembly

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Please send the registration form via email (maria.vilgertshofer@uk-koeln.de), fax (0221/470-1632) or mail **no later than November 3rd, 2011** to the CECAD office, Maria Vilgertshofer. **Notice that the reservation of accommodation is allying after mid of October and rooms must then be paid whether they're used or not.**

In case of any questions please do not hesitate to contact Maria Vilgertshofer (phone: -7839).