

SYMPOSIUM

Bavarian Research Network for Adult Neural Stem Cells ForNeuroCell II

15th /16th November 2012
CARL FRIEDRICH VON SIEMENS STIFTUNG
Südliches Schlossrondell 23
80638 München

☐ I register for the Symposium of ForNeuroCell II,
15th /16th November 2012

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Name

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Institution

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Address

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Signature

Nov 16th, 2012

8:30 - 9:30 **Keynote lecture**
Induction of stem cell multi-and pluripotency

Hans R Schöler
Cell and Developmental Biology,
Max-Planck-Institute for Molecular Biomedicine
Muenster, Germany

09:30 – 10:10 **Programming and Reprogramming**
Projection Neuron Subtypes in the Cerebral Cortex

Paola Arlotta
Department of Stem Cell and Regenerative
Biology, Harvard University, Cambridge, USA

10:10 – 10:50 **Astrocytic control of synaptogenesis on new**
neurons in the adult hippocampus

Nicolas Toni
Department of Fundamental Neurosciences,
University of Lausanne, Switzerland

10:50 – 11:30 Coffee break/Poster

11:30 – 12:10 **Clonal analysis of neural stem cells in the**
adult mouse hippocampus

Hongjung Song
Departments of Neurology and Neuroscience,
Johns Hopkins University School of Medicine,
Baltimore, USA

12:10 – 12:50 **Genomics of RNA binding protein networks**
in neurological diseases

Gene Yeo
Department of Cellular and Molecular Medicine,
School of Medicine, UCSD, La Jolla, USA

12:50 – 13:20 **Bavarian Research Network Adult Neural**
Stem Cells: Past, Present and Future

Juergen Winkler
Department of Molecular Neurology,
University Hospital Erlangen,
FAU Erlangen-Nürnberg, Germany

13:30 Farewell lunch
Schlosscafé im Palmenhaus
Schlosspark Nymphenburg

The Bavarian Research Network ForNeuroCell focuses on adult neural stem cells. Understanding signaling in these cells and their potential for therapeutic applications are the focus of ForNeuroCell. The research activities involve the following areas:

- Identification of signaling pathways in maintenance and differentiation of adult neural stem cells
- Targeted programming or reprogramming of stem cells
- Preclinic testing in acute and chronic lesion models of the central nervous system
- Development of imaging systems for the detection of endogenous as well as transplanted stem cells in the brain.
- Transfer of stem cell technology to human cells

Contact:

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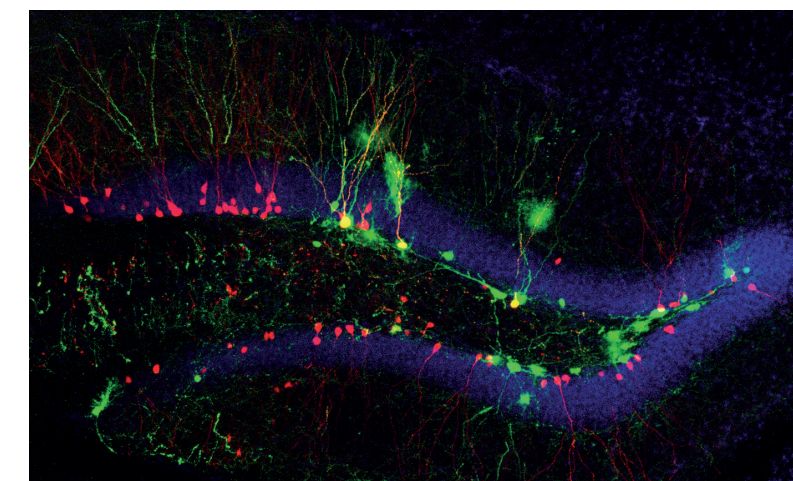
Physiologisches Institut
Lehrstuhl für Physiologische Genomik
Pettenkoferstr.12
80336 München

Registration:

Please register not later than Nov 1st 2012.
by email: rosi.lederer@med.uni-muenchen.de
by mail: please return the registration

Travel information:

By Public transportation:
From the Central Station (Hauptbahnhof)
take the tram 16 or 17 to „Schloss Nymphenburg“
From the S-Bahn Station „Laim“
take the bus 51 to „Hirschgartenallee“



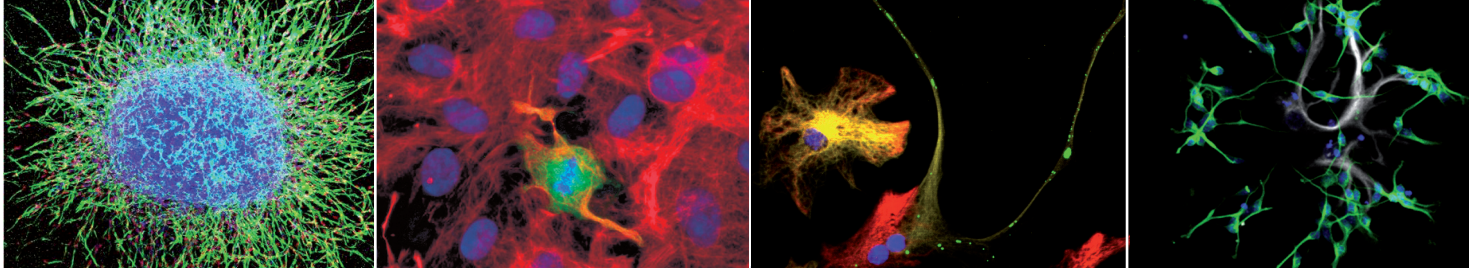
Symposium Bavarian Research Network for Adult Neural Stem Cells ForNeuroCell II

15th /16th November 2012

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Funded by Bavarian State Ministry
of Sciences, Research and the Arts



Nov 15th, 2012

10:00	Registration
11:00 - 11:10	Welcome <i>Juergen Winkler</i> (Speaker)
11:10 - 11:25	Differentiation of adult human astroglia into functional neurons <i>Benedikt Berninger and Magdalena Goetz</i> Department of Physiological Genomics, LMU Munich
11:25 - 11:40	Canonical Wnt-signaling in dopaminergic differentiation in vivo and in vitro <i>Nilima Prakash and Wolfgang Wurst</i> Institute of Developmental Genetics, Helmholtz Center Munich
11:40 - 11:55	Identification of signaling pathways regulating adult neural stem cell maintenance <i>Chichung D. Lie</i> Institute of Developmental Genetics, Helmholtz Center Munich, Institute of Biochemistry, Emil-Fischer-Center, FAU Erlangen - Nürnberg
11:55 - 12:10	The Role of brain-derived neurotrophic factor signaling for differentiation and maintenance of neural stem cells and newborn neurons in the hippocampus <i>Michael Sendtner</i> Institute for Clinical Neurobiology, JMU Würzburg
12:10 - 12:25	Impact of Sox proteins on adult oligodendrogenesis in the normal and lesioned spinal cord <i>Michael Wegner</i> Institute of Biochemistry, Emil-Fischer-Center, FAU Erlangen-Nürnberg
12:30 - 13:45	Lunch

13:45 - 14:00	Functional characterization of adult human hippocampal stem cells and their targeted differentiation into dopaminergic neurons <i>Ingmar Bluemcke</i> Department of Neuropathology, University Hospital Erlangen, FAU Erlangen-Nürnberg
14:00 - 14:15	Characterization of adult neural progenitor cells in the striatum in models of Parkinson's disease <i>Jochen Klucken and Juergen Winkler</i> Department of Molecular Neurology, University Hospital Erlangen, FAU Erlangen-Nürnberg
14:15 - 14:30	Long-term in vivo imaging of the integration, the maturation and the survival of adult-born neurons in the olfactory bulb of transgenic animal models of Alzheimer's disease <i>Jochen Herms</i> Department of Translational Brain Research, DZNE-German Center for Neurodegenerative Diseases, Munich
14:30 - 14:45	Watch me if you can: Optical and MRS imaging of neurogenesis in the adult brain <i>Ulrich Bogdahn</i> Department of Neurology, University of Regensburg <i>Hans Robert Kalbitzer</i> Institute of Biophysics und Physical Biochemistry, University of Regensburg <i>Sebastien Couillard-Despres and Ludwig Aigner</i> Paracelsus Medical University Salzburg
14:45 - 15:00	Non-invasive detection of functional integration of optically-controlled stem cells by (f)MRI in vivo <i>Albrecht Stroh</i> Institute of Neuroscience, TU Munich <i>Claus Zimmer</i> Department of Neuroradiology, TU Munich

15:00 - 15:15	Summary <i>Juergen Winkler</i> (Speaker)
15:15 - 16:00	Coffee break
16:00 - 18:00	Poster
18:00	Keynote Lecture The reaction to brain injury - new lessons from live imaging in vivo <i>Magdalena Goetz</i> Institute of Stem Cell Research, Helmholtz Center Munich and Physiological Genomics, LMU Munich
19:00	Get together party with buffet dinner Poster

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Register now