

Dear colleagues,

Neurodegenerative diseases such as Alzheimer, Parkinson and Huntington disease are caused or accompanied by a major loss of neurons. A slow progression of the diseases allows treat symptoms with new pharmaceuticals, to develop cell transplantation therapies and to invent molecular genetic approaches. Before all new promising therapies will be accessible for patients, appropriate animal models are critical for understanding the fundamental mechanisms causing the diseases and for development of safety and efficient therapeutic approaches. In this respect large animal models, with a close physiology to human brain, are extremely important.

To offer a platform for the efficient exchange of research experience and creation of new ideas for therapy of neurodegenerative diseases, we organize:

Workshop

„Large Animal Models of Neurodegenerative Diseases“

From 24th -25th October 2011

**To be held in the Conference Centre of the Academy of Sciences of the
Czech Republic-Chateau Liblice**

Liblice 61, 277 32, Byšice, Czech Republic

Organized by:

Institute of Animal Physiology and Genetics AS CR, v. v. i., Czech Republic; Institute of Anatomy, Aarhus University, Denmark; Department of Neurology, University of Muenster, Germany; Institute of Neurobiology, Kosice, Slovak Republic

Registration is opened

<http://www.chateau-liblice.com/large-animal-models-of-nd.html>

(See Poster, please)

Send a title of your poster presentation to: knihovna@iapg.cas.cz

Scientific Program

WORKSHOP: **Large Animal Models of
Neurodegenerative Diseases**

LOCATION: **Liblice Chateau, Czech
Republic**

DATES: **October 23-25, 2011**

Sunday, October 23

1:00 pm – 10:00 pm Arrival and Check-in

Monday, October 24

9:00 am – 9:15 am	Welcome / Introductory Comments by Organizers
9:15 am – 9:45 am	Key Note Speaker David Howland (CHDI Foundation, Princeton, USA) “Role of Animal Models in Neurodegenerative Diseases”
9:45 am- 10:45 am	Alzheimer Disease The first part
10:15 am – 11:15 am	Coffee Break
11:15 am – 12: 45 am	Alzheimer Disease The second part
1:00 pm – 2:00 pm	Lunch
2:00 pm – 4:00 pm	Huntington Disease The first part
4:00 pm - 4:20 pm	Zinc finger nucleases (ZFNs) for transgenesis
4:20 pm – 4:50 pm	Coffee Break
4:50 pm – 6:30 pm	Poster Session Send a title of your poster presentation to: knihovna@iapg.cas.cz
7:30 pm- 11.00 pm	Dinner

Tuesday, October 25

8:30 am – 10:30 am	Huntington Disease The second part
10:30 am – 11:00 am	Coffee Break
11:00 am – 1:00 pm	Parkinson Disease The first part
1:00 pm– 2:00 pm	Lunch
2: 00 pm – 5:00 pm	Parkinson Disease The second part
5:00 pm – 5:30 pm	Coffee Break
5:30 pm – 6:00 pm	Closing discussion

The Proposed Speakers:

ALZHEIMER DISEASE

Eckhardt and Eva-Maria Mandelkow

On relationship between Abeta expression and tau pathology

Heiko Braak

On early changes in young persons

David Mann

Will be specified

Peter St. George Hyslop

On animal models in general

Ida Holm

Characterization of the APP^{sw} pig model of Alzheimer disease

Jannik Jakobsen

Development of the 'master-pig' with both APP^{sw} and PS1 mutations.

Michal Novak

“Concluding discussion of Alzheimer disease part”

PARKINSON DISEASE

Jens Christian Sørensen

Parkinson disease and stem cell transplantation evaluated in a porcine model

Mette Slot Nielsen

A Porcine model of MPTP induced Parkinsonism

Carsten R Bjarkam

Neurosurgical techniques for high precision intracerebral implantation of neuromodulatory devices, stem cells and viral vectors

Knud Larsen

Identification of Parkinson genes and development of Parkinson models in pigs

Speaker one from the Boston group

Monkey models of Parkinson disease and neural transplantation

Speaker one from the London (Tipu Aziz group)

Monkey models of Parkinson disease and deep brain stimulation

Speaker one from the New York (M Kaplitt group)

Monkey models of Parkinson disease and gene therapy

Carsten R Bjarkam

“Concluding discussion of Huntington disease part”

HUNTINGTON DISEASE

Neil Aronin

“Testing safety and efficacy of gene silencing in sheep”

Marian Di Figlia

“The large animal models of HD in the perspective of recent advances on HD140Q/140Q mouse model”

Jenny Morton

“Behavioral testing in HD transgenic sheep”

Anthony W.S. Chan

“Modeling Huntington’s disease in nonhuman primates”

Martin Marsala

Marta Valenza, Chiara Zuccato

Marian Hruska-Plochan

“Minipig model of Huntington disease: F0, F1 and F2 generations, their importance and potential”

Marian Di Figlia

“Concluding discussion of Huntington disease part”