Thursday, March 31st 2011

17.00 – 18.00  Registration
18.00  Welcome Reception

Friday, April 1st 2011

Chair: Dr. H. Volk and Prof. W. Löscher

8.00 – 8.15  Welcome
Dr. G. Greif (University of Veterinary Medicine Hannover [TiHo])

8.15 – 8.30  Presentation of DFG Research Unit 1103
Prof. W. Baumgärtner (TiHo)

8.30 – 9.30  State-of-the-art Lecture 1:
Cellular transplantation for repair of the injured nervous system
Prof. J. Kocsis (Yale University)

9.30 – 9.55  Traumatic spinal cord lesions in dogs
Prof. W. Baumgärtner (TiHo)

9.55 – 10.55  State-of-the-art Lecture 2:
Translating cell transplant therapy for spinal cord injury from lab to dog
Prof. N. Jeffery (Iowa State University)

10.55 – 11.20  Coffee Break and Poster Session

Chair: Prof. R. Franklin and Prof. G. Bicker

11.20 – 12.10  Oral presentations:
How to define the regenerative potential of olfactory ensheathing cells and Schwann cells
Prof. K. Wewetzer (TiHo)

Cell transplantation in traumatic lesions of the spinal cord
PD Dr. C. Radtke (Hannover Medical School)

12.10 – 12.40  Oral presentations:
In vitro and in vivo investigations of the immune response in canine spinal cord injury
I. Spitzbarth (TiHo)

Constitutive and species-specific expression of 2’,3’-cyclic nucleotide 3’-phosphodiesterase (CNPase) in canine olfactory ensheathing cells
Dr. P. Bock (TiHo)
Friday, April 1st 2011

Chair: Prof. R. Franklin and Prof. G. Bicker

12.40 – 13.10 Oral presentations:
- Axonal damage rather than demyelination triggers the appearance of CNS Schwann-like cells in canine distemper virus leukoenzephalitis
  Dr. I. Imbschweiler (TiHo)
- Traumatic compressive and non-compressive intervertebral disc extrusions in dogs: A retrospective Magnetic Resonance Imaging study in 31 dogs
  Dr. D. Henke (University of Bern)

13.10 – 14.30 Lunch and Poster Session

Chair: Prof. N. Jeffery and Prof. K. Wewetzer

14.30 – 15.00 Oral Presentations
- Transplantation of spider silk constructs enhances axonal regeneration and remyelination in long distance nerve defects in adult sheep
  PD Dr. C. Radtke (Hannover Medical School)
- Physiological variance of microglial character in different CNS localizations
  Dr. V. Stein (TiHo)

15.00 – 16.00 State-of-the-art Lecture 3:
Myelin regeneration: translating biology into therapy
Prof. R. Franklin (University of Cambridge)

16.00 – 16.25 Oral presentations:
- Regulation of neural motility by nitric oxide signal transduction
  Prof. G. Bicker (TiHo)

16.25 – 17.00 Coffee Break and Poster Session

17.00 – 19.30 Foundation Meeting of the European Centre of Veterinary Neuroscience

20.00 Dinner ("Mexican Night")
Saturday, April 2nd 2011

Chair: Prof. M. Vandevelde and Prof. A. Tipold

9.00 – 10-00  State-of-the-art Lecture 4:  
**Update about canine epilepsy**  
Dr. H. Volk (Royal Veterinary College London)

10.00 – 11.15  Oral presentations:  
**Cell transplantation in epilepsy**  
Dr. M. Gernert (TiHo)

Neuroprotection, anti-inflammatory effects and neuromodulation as strategy for epilepsy prevention  
Prof. W. Löscher (TiHo)

**Neuroregenerative potential in canine brain and its modulation by mimetic peptides**  
Prof. H. Potschka (Ludwig Maximilians University Munich)

11.15 – 11.45  Coffee Break and Poster Session

Chair: PD Dr. C. Radtke and C. Brandt, PhD

11.45 – 12.45  State-of-the-art Lecture 5:  
**Mechanisms of viral persistence in progressive canine distemper encephalitis**  
Prof. M. Vandevelde (University of Bern)

12.45 – 14.15  Lunch and Poster Session

Chair: Prof. J. Kocsis and Prof. H. Potschka

14.15 – 15.00  Oral Presentations  
**Insights into CDV non-cytolytic cell-to-cell spread**  
Dr. P. Plattet (University of Bern)

**Morbillivirus fusion control: H mediates destabilizing forces on F to trigger fusion activity**  
Dr. P. Plattet (University of Bern)

**Insights into Morbillivirus cell-entry**  
Dr. P. Plattet (University of Bern)

15.00 – 15.50  Oral presentations:  
**Immunopathological processes in demyelinating leukoencephalitis**  
Prof. A. Beineke (TiHo)

**Role of microglia in infectious and degenerative diseases of the canine CNS**  
Dr. V. Stein (TiHo)

15.50  Closing remarks  
Prof. W. Baumgärtner (TiHo)