As in humans, traumatic lesions of the spinal cord in dogs represent a frequently observed consequence of intervertebral disc prolapse.

In dogs as well as in humans, epilepsy ranks among the most common chronic neurological disorders. It often develops after brain insults such as injuries, inflammation, febrile convulsions or tumours.

Upcoming questions and formulated hypotheses were tested by means of studies in dogs and rodent models as well as tissue cultures. The interdisciplinary Research Unit 1103, composed of experts from the fields of veterinary medicine, biology and human medicine, allowed a unique comparative study of (a) degenerative processes and (b) the regenerative potential in the canine CNS, as well as (c) development and realization of novel therapeutic approaches.

The results of the studies undertaken during the 6 year funding period will be presented during the Third International Workshop of Veterinary Neuroscience as concluding colloquium of the FOR 1103.
Sunday, February 14th 2016

8.00 – 8.45 Registration
Chair: W. Löscher (University of Veterinary Medicine Hannover [TiHo])
8.45 – 9.00 Opening words and presentation of DFG Research Unit FOR 1103
W. Baumgärtner (TiHo)

9.00 – 10.00 State-of-the-art lecture on neurogenetics: Rare canine genetic diseases – A powerful resource to learn more about genes and their functions in the nervous system
T. Leeb (Vetsuisse faculty, University of Bern)

10.00 – 10.15 Coffee break and poster display

8.45 – 9.00 Advances in understanding mechanisms of epileptogenesis
H. Potschka (Ludwig Maximilians University Munich)

9.00 – 10.00 Epilepsy in dogs – Current treatment concepts
A. Tipold (TiHo)

10.00 – 10.15 Coffee break and poster display

10.15 – 11.15 State-of-the-art lecture on spinal cord injury: Canine intervertebral disc herniation: A model for translational spinal cord injury (SCI) research
J.M. Levine (Texas A&M University)

11.15 – 12.45 Mesenchymal stem cell therapy in demyelinating diseases: Hype or hope?
F. Hansmann, W. Baumgärtner (TiHo)

12.45 – 13.45 Lunch and poster display

13.30 – 13.45 Meeting of the Consortium of Veterinary Neuroscience in Europe (CVNE)

13.45 – 15.10 Novel approaches, treatment strategies and underlying mechanisms in epilepsy
Introduction
W. Löscher (TiHo)

15.45 – 15.10 Novel approaches to prevent epilepsy – From animal models to the clinic
W. Löscher, C. Brandt (TiHo)

15.10 – 15.25非-infected encephalitis in dogs: Brain biopsy based diagnosis and stem cell therapy
T. Flegel (Leipzig University)

15.25 – 16.15 The two faces of regulatory T cells in demyelinating disorders
A. Beineke (TiHo)

16.15 – 17.15 Encephalitis of unknown origin in horses from Brazil
G.S. Boos (Justus-Liebig-University Gießen)

17.15 – 17.45 Poster flash
Chair: W. Baumgärtner (TiHo)

17.45 – 20.30 Interactive Veterinary Neurology-Neuropathology Mini-Symposium “Lessons learned from real life” – Oncology, infectious and non-infectious inflammatory changes
D. Gorgas, A. Oevermann (Vetsuisse Faculty, University of Bern)
A. Tipold, V. Stein, A. Beineke, W. Baumgärtner (TiHo)

20.30 – 20.45 Coffee break
Interactive Veterinary Neurology-Neuropathology Mini-Symposium “Lessons learned from real life” – Oncology, infectious and non-infectious inflammatory changes
D. Gorgas, A. Oevermann (Vetsuisse Faculty, University of Bern)
A. Tipold, V. Stein, A. Beineke, W. Baumgärtner (TiHo)

20.45 – 22.00 Interactive Veterinary Neurology-Neuropathology Mini-Symposium “Lessons learned from real life” – Oncology, infectious and non-infectious inflammatory changes
D. Gorgas, A. Oevermann (Vetsuisse Faculty, University of Bern)
A. Tipold, V. Stein, A. Beineke, W. Baumgärtner (TiHo)

22.00 – 23.00 Closes remarks
W. Löscher (TiHo)