



Universität Zürich

Akademischer Bericht 2008

Neurologische Klinik

Leitung in der Berichtsperiode:

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Zusammenfassung (Management Summary)

The Department of Neurology at the University Hospital Zurich serves as the central referral center for the diagnosis and treatment of neurological disorders in the Canton of Zurich. The in-patient and out-patient services are located in the Haldenbach building, the intermediate care facilities in the North I section and the emergency service in the main building of the University Hospital. Clinical care and research are organized in close cooperation with the Department of Neurosurgery and the Institute of Neuroradiology, and, for specific areas, various other departments at the University Hospital Zurich, the University of Zurich, and the Swiss Federal Institute of Technology (ETH). The major research areas include Neuro-Oncology, Neuroimmunology, Sleep and Epilepsy, Vestibular Ocular Motor Pathophysiology and Cerebrovascular Medicine.

The Department of Neurology offered a series of Symposia in the Clinical Neurosciences, including the First Swiss Narcolepsy Day (7 February) and Symposia on Multiple Sclerosis (13 March), Parkinson's disease (27 March), Sleep (10 April) and Vertigo (4 December). A special symposium on April 3 was devoted to the retirement of H.G. Wieser, Professor of Epileptology, who had pioneered the field of invasive diagnosis and treatment of epilepsy in Zurich for more than two decades. Effective April 1, B. Becher, Assistant Professor at the Department, became Chairman at the Institute of Immunology at the University of Zurich. D. Herrmann accepted the nomination for a Chair (W3) in Vascular Neurology at the University of Essen effective February 1, 2008. R. Khatami, senior physician and researcher in the area of sleep disorders, was elected Head of the Department of Sleep Medicine at the Barmelweid Klinik AG and will take this new position effective January 1, 2009. On April 17, the new clinical focus of the Department in 2008, Neuro-Oncology, was presented to the public in the format of a symposium summarizing recent advances in neuropathology, neuroradiology, radiooncology and medical neuro-oncology.

In August 2008, A. Luft joined the Department of Neurology as a Professor of Clinical Rehabilitation. The aim of this new position is to establish a cooperative network, bridging emergency care at the University Department of Neurology, in particular in the area of stroke, to rehabilitation, notably the cantonal rehabilitation clinic at Wald and the Center for Ambulatory Rehabilitation (ZAR) which is located in close proximity to the Balgrist Hospital. His research will focus on clinical trials in neurorehabilitation as well as basic research on the mechanisms of movement learning, recovery and cortical plasticity.

P. Roth was awarded the Asmus Award for Neuro-Oncology 2008 in Bochum, Germany, for a project entitled: "Cathepsin B-mediated immunotolerance in glioma-initiating cells". Z.M. Manjaly received the Friedrich Wilhelm Dissertation Award of the Technical University Aachen, Germany, for her study "Autism and the weak central coherence theory: investigations with functional magnetic resonance imaging". A. Palla was awarded the prestigious SCORE grant which will allow her to expand her own research profile in her area of vestibular research: "Anisotropy of vestibular self-motion perception in human neurological disorders". C. Baumann received the "Sponsors Award for Outstanding Clinical Sleep Research" of the Swiss Society of Sleep Research, Sleep Medicine and Chronobiology. C. Bassetti was elected President of the European Sleep Research Society and was awarded the Michael S. Aldrich Prize for Sleep Medicine (Ann Arbor, MI, USA). P. Sandor was elected President of the Swiss Headache Society. Important publications from the Department included studies on sleep disturbances after stroke (Herrmann et al. *Stroke* 2008;39:62-68), humor processing in narcolepsy (Schwartz et al. *Brain* 2008;131:514-522) and on postural effects on higher cognitive processing (Loetscher et al. *Current Biology* 2008;18:R60-R62).

The major aims of the Department for 2009 include the establishment of a dedicated Stroke Unit, a Post Stroke step-down Unit that enables early rehabilitation of patients with neurological deficits, the installation of a new dedicated MRI scanner for the Clinical Neurosciences and, in close cooperation with the Department of Neurosurgery, the introduction of Deep Brain Stimulation (DBS) for the treatment of Parkinson's disease.

1 Allgemeine Einschätzung

1.1 Wo stehen wir heute: Standortbestimmung

The Department of Neurology assures the diagnosis, treatment and care of patients with neurological disorders in the canton of Zurich, neighbouring cantons and, in special cases, all of Switzerland and foreign countries. The department offers emergency services 24 h per day 7 days a week, throughout the year, with a dedicated stroke service. The department runs two wards with 15 and 16 beds in the Haldenbach building and has access to intermediate care beds for stroke patients and other patients with neurological emergencies in the North I/II sections of the hospital. Moreover, the department offers an extensive consulting service for the partner institutions at the University Hospital Zurich. Areas of specific clinical expertise include epilepsy and sleep, visual and vestibular ocular motor disorders, and brain tumors.

The research activities of the department are embedded into a large network build by partner institutions in the clinical neurosciences (neurosurgery, neuroradiology, paraplegiology, psychiatry) and basic neurosciences (neuropathology, brain research, immunology), e.g., as formalized in the NCCR Neuro. The major research areas include neuro-oncology (S. Hofer, M. Weller), neuroimmunology (B. Becher, N. Goebels, B. Schreiner), cerebrovascular medicine (C. Bassetti, R. Baumgartner, D. Georgiadis, A. Luft, S. Wegener), epilepsy (H.G. Wieser, D. Zumsteg), sleep (C. Bassetti, C. Baumann, R. Khatami), Parkinson's disease (C. Bassetti, C. Baumann) as well as visual, vestibular and ocular motor pathophysiology (B. Hess, A. Palla, D. Straumann, U. Schwarz). Further scientific projects involve the areas of neuropsychology (P. Brugger, M. Linnebank), neurogenetics (H.H. Jung), Pain (P. Sandor), neurometabolic disorders (M. Linnebank) and acute mountain sickness (R. Baumgartner, U. Schwarz).

The department participates in various activities of teaching and education, notably within the Medical Faculty, but also for other faculties of the University of Zurich, including the Departments of Biology and Psychology. Continuous training and education of the medical staff of the department as well as guest medical doctors from the broader Zurich area are accomplished by a series of case conferences (Thursday conferences) as well as annual symposia on Neurology and Internal Medicine (January), Parkinson's disease (February), Multiple Sclerosis (March), Sleep (April), Brain Tumors (April), Dementia and Neurodegeneration (May/June), Pain (September), Neurology for Practitioners (November) and Vertigo (December). Further serial symposia cover recent developments in the area of stroke and cerebrovascular medicine.

The Departments of Neurology, Neurosurgery and Neuroradiology have committed themselves to the formation of a Clinical Neuroscience Center which shall become a complementary interdisciplinary structure for the Neuroscience Center Zurich (ZNZ). Its formal recognition awaits further talks between the University Hospital Zurich, the Medical Faculty and the University of Zurich.

1.2 Wo wollen wir hin: Ziele in den nächsten Jahren

Based on the evaluation of the Department of Neurology by an external review panel in 2006 and the developments in the first year after the new Chair in Neurology, Prof. Dr. M. Weller, took his position in January 2008, the following aims have been defined:

- (i) To establish a Neurological Intensive Care Facility with *Stroke Unit* which shall allow for a significant improvement of the structure and quality of care of emergency patients with neurological disorders and will provide the infrastructure to perform high quality clinical research in the field of cerebrovascular medicine
- (ii) To expand the clinical and research network in the field of neurorehabilitation, a novel focus of the neurosciences in Zurich founded with two new assistant professorships in experimental (Gregoire Courtine, 2007) and clinical (Andreas Luft, 2008) neurorehabilitation.

(iii) To expand the clinical and experimental research activities in Neurooncology which have been initiated since the new chairmen in Neurology and Neurosurgery, together with Neuroradiology, have declared Neuro-Oncology a major focus of research of the clinical neurosciences at the University Hospital Zurich

(iv) To establish deep brain stimulation (DBS) as a standard of care for patients with Parkinson's disease who can no longer be managed with pharmacotherapy alone. Once this has been accomplished, the Departments of Neurology and Neurosurgery plan to explore deep brain stimulation as a novel treatment for pharmaco-resistant epilepsy, too.

(v) To consolidate clinical and experimental research in neuroimmunology after funding for two assistant professorships (B. Becher, N. Goebels) has expired effective December 31, 2008.

(vi) To explore possible synergies between clinical and research activities of the Clinical Neuroscience Departments at the University Hospital Zurich and the Swiss Epilepsy Center. Current joint research projects involve GenEPA, a network project assessing genetic markers in epilepsy, and focus on event-related potentials in patients with epilepsy undergoing presurgical evaluation.

(vii) To establish a center for the diagnosis, treatment and research on neuromuscular disorders. A collaboration agreement between the University Hospital Zurich and the University Children Hospital regarding a clinical center for neuromuscular disorders has been signed at the end of 2008.

The clinical neurosciences, Neurology, Neurosurgery and Neuroradiology, have decided to join forces to develop specific areas of interest, including those mentioned above, to establish a clinical center of excellence for the care of neurological disorders at the University Hospital Zurich.

1.3 Wie kommen wir dahin: Strategien, Massnahmen

(i) Detailed proposals for the infrastructure of a dedicated Stroke Unit located in the North I building and a special unit for early post-stroke care in the Haldenbach building have been submitted, with the hope that the process of construction and renovation will be initiated in the summer of 2009.

(ii) A cooperation with larger municipal hospitals, such as Triemli city hospital, shall be established to assure best standards of care for a majority of patients in the region with stroke or other serious neurological conditions who require neurological rehabilitation.

(iii) Interdisciplinary guidelines for the diagnosis and treatment of brain tumors have been prepared by all participating institutions at the University Hospital Zurich and shall be printed in early 2009. A Neuro-Oncology Center Zurich shall be founded which pursues the idea of establishing Annual Swiss Neuro-Oncology Meetings, with the first meeting scheduled for April 23, 2009, in Zurich.

(iv) The first surgical interventions for patients with Parkinson's disease have been scheduled for January 2009.

(v) The cooperation between the clinical department of neurology and the new chairs in immunology, B. Becher (formerly assistant professor in the department of neurology) and C. Münz, shall be expanded by offering 50%/50% shared positions for young MD who want to pursue both a clinical and research career in neuroimmunology, notably multiple sclerosis.

(vi) The cooperation with the Swiss Epilepsy Center Zurich will be formally strengthened by a first joint symposium in April 2009. Further joint research projects shall be designed in 2009.

(vii) An inaugural symposium of the Clinical Center for Neuromuscular Disorders will be held in October 2009. The establishment of a neuromuscular research network at the University and ETH Zurich will be attempted.

2 Forschung

2.1 Überblickstext

Neuro-Oncology

G. Eisele, M. Giese, C. Happold, S. Hofer, P. Roth, P. Wolint, M. Weller

The major research projects involve novel strategies of immunotherapy and efforts at overcoming the resistance to radiotherapy and chemotherapy in malignant gliomas. We seek to characterize the immunological profile of glioma-initiating (stem) cells and to develop specific vaccination strategies against the stem cell compartment. We evaluate molecular mechanisms determining the resistance to the alkylating agent, temozolomide, and the integrin antagonist, cilengitide, agents that are also currently studied in clinical trials in Zurich. We have assembled a Clinical Neurooncology Group in Zurich with the Departments of Neuropathology, Neuroradiology, Neurology, Neurosurgery, Radiooncology, Medical Oncology, Pediatrics and Nuclear Medicine which holds tumor boards each Monday afternoon and offers out-patient services for brain tumor patients in the Departments of Neurology, Neurosurgery, Radiooncology and Medical Oncology.

Funding: NCCR Neuro, Schering Plough, Merck Serono

Cerebrovascular medicine

C. Baumann, R. Baumgartner, D. Georgiadis, N. Michael, H. Sarikaya, A. Weck

We investigated the outcome after ultrasound-assisted thrombolysis, compared intraarterial and intravenous thrombolysis for ischemic stroke with hyperdense middle cerebral artery sign, and evaluated gravity-dependent modulation of straight sinus flow velocity in healthy humans and thrombolysis in childhood stroke. Collaborations exist with all stroke services in Switzerland and numerous stroke services worldwide. We reported on the recanalization of spontaneous carotid artery dissection, diffusion-weighted imaging in stroke attributable to internal carotid artery dissection and ultrasound diagnosis of spontaneous carotid dissection with isolated Horner syndrome. Collaborations included mainly the Department of Neurology of the University Hospital Berne and the Assistance Publique des Hôpitaux de Paris and the Département de Neurologie, Hôpital Universitaire Lariboisière Paris, France. Experimental research was performed with the Laboratory of Thermodynamics in Emerging Technologies, Institute of Energy Technology, Swiss Federal Institute of Technology and the Institute for Biomedical Engineering (University and Swiss Federal Institute of Technology, Zurich). We continued the research on acute mountain sickness and published a study done under isobaric hypoxia. Collaborations include mainly the Institute for Biomedical Engineering, University and Swiss Federal Institute of Technology, Zurich, Medical and the Division of Sports Medicine, Department of Internal Medicine, University Clinic Heidelberg, Germany.

Funding: SNF, Swiss Heart Foundation, Astra Zeneca, Genzyme, Servier SA

C. Bassetti, E. Cam, B. Gao, R. Khatami, S. Leemburg, R. Poryazova, M. Siccoli, C. Zunzunegui

The clinical team reported on the high frequency of central sleep apnea in acute stroke and on the association of sleep-wake changes and cognitive abnormalities in thalamic/hemispheric strokes. The experimental team works in rodent models of stroke on the pathophysiology of focal brain damage and the effect of stroke and sleep-modulating drugs on functional recovery. We described an ischemia-related alteration in the activity of a specific protein-transporter (ABCC1) at the blood-brain-barrier which may be responsible for a reduced brain accumulation of neuroprotective agents in acute strokes. We also reported on favourable effects of melatonin and sodium oxybate on functional recovery after stroke in rodents. Research collaborations exist within the University of Zurich (Brain Research Institute; Departments of Neuroradiology, Pulmonary Medicine, and Ophthalmology; Institute of Veterinary Medicine), the ETH in Zürich, and the Universities Berne, Basel, Bologna, Cambridge, Essen and Milano.

Funding: ZIHP, NCCR Neuro, ZNZ, UCB

J. Artmann, A. Luft, S. Wegener

The prognosis of stroke is difficult to predict in the acute phase. While the lesion can be characterized morphologically and acute deficits can be described clinically, the individual potential for recovery is unpredictable. Brain perfusion and collateral supply after a vessel occlusion may explain the variability of outcomes. Vascular brain injury before the stroke may worsen the prognosis. Conversely, it may protect

the brain from injury thereby improving outcomes, the hypothesis of preconditioning, that is explored in animal models of stroke using advanced MR imaging methods.

Funding: NCCR Neuro

Neurorehabilitation

C.O. Atiemo, B. Hertler, J. Hosp, A. Luft, M. Pedotti, A. Pekanovic, S. Schwarz, S. Triem

We aim at understanding the basic mechanisms of cortical plasticity mediating motor recovery and at developing training and supportive strategies that enable faster recovery. We investigate the dopaminergic system with its potentials to boost recovery in rodent models. In collaboration with the Johns Hopkins University, the University of Maryland in Baltimore and the Robert Bosch Hospital in Stuttgart, Germany, clinical trials are conducted to evaluate training approaches in patients with chronic motor deficits after stroke. Together with the rehabilitation engineering research groups at the ETH and the University of Zurich (R. Riener, R. Gassert, S. Micera, D. Kieper) pilot studies and trials are planned. The group will establish a rehabilitation recruitment center together with the Center for Clinical Research at the USZ and the Triemli Hospital, Zurich.

Funding: NCCR Neuro Zurich, Veteran Affairs Administration, USA, National Institutes of Health, USA

Vestibular and oculomotor research

C.J. Bockisch, J. Laurens, S. Marti, I. Olasagasti, A. Palla, A.A. Tarnutzer, D. Straumann

We seek to better understand central and peripheral diseases of the ocular motor system. We focus on the 3D-kinematical properties of ocular rotations, but also include psychophysical phenomena associated with 3D vestibulo-ocular reflexes. In 2008 we focused on how linear acceleration signals from the otoliths generate basic vestibulo-ocular reflexes and by what degree they contribute to motion perception. We collaborate with D.S. Zee and his group (Johns Hopkins, Baltimore, MD), S. Ramat and his coworkers (University of Pavia, Italy) and S. Glasauer (University of Munich, Germany).

Funding: SNF, SNF-SCORE, ZIHP, Hartmann-Müller Foundation, Bonizzi-Theler Foundation, Koetser Foundation

B. J. M. Hess

We focus on mechanisms of multi sensory integration of self-orientation and motion signals for spatial orientation and on control mechanisms of three-dimensional gaze movements. The laboratory collaborates with the Department of Anatomy of the University in Munich (J. Büttner-Ennever), the Department of Anatomy and Neurobiology of the Washington University Medical School in St. Louis (J. D. Dickman, D.E. Angelaki), the Institute of Psychology of the University of Lausanne (F. Mast) and the Institute of Neuroinformatics of the ETH/University of Zurich (K. Marti).

Funding: EST-”SensoPrim”, Koetser Foundation

Neuropsychology

H. Baumann, P. Brugger, L. Hilti, M. Linnebank, C. Mondadori, C. Tamagni,

We study the representation of the body in the brain. Specifically, we contributed to phantom sensations after amputation, congenital absence of limbs, spinal cord injury and (sub)cortical damage. Of special interest is the brain’s plasticity after changes in the periphery. Clinically relevant are studies of patients with complex bodily hallucinations and delusions after cortical lesions. Of central interest is the syndrome of hemispatial neglect. A novel aspect concerns inquiries of stimulus processing in backspace and the correlations between spatial and temporal processing.

Funding: COGITO Foundation, Koetser Foundation

Neurogenetic disorders

H.H. Jung, K. Sabova

The research in neurogenetic disorders focuses on the molecular basis of hereditary chorea syndromes, in particular neuroacanthocytosis syndromes, in collaboration with a network of neurologists (Munich, New York), neuropathologists (Basle, Munich), molecular biologists (Oxford) and hematologists (New York, Nijmegen, Siena). Current projects include emotion recognition and production and the long-term course of striatal atrophy in chorea syndromes and the generation of a transgenic *C. elegans* nematode model of the McLeod neuroacanthocytosis syndrome, in collaboration with M.O. Hengartner, UZH.

Funding: European Neurological Society, Koetser Foundation, Swiss Parkinson Society

Neurometabolic Disorders

M. Farkas, S. Keskitalo, L. Kulic, M. Linnebank, A. Semmler

We focus on nutritional, biochemical and genetic aspects of monocarbon metabolism which encompasses the methyl group-donor S-adenosylmethionine, the neurotoxic amino acid homocysteine and vitamins like folate, vitamin B6 and vitamin B12. In local collaboration with the Department of Psychiatry, the Institute of Neuropathology and the University Children's Hospital and others, we investigate the association of monocarbon metabolism with neurodegenerative disorders, primary brain tumors and the (neuro)toxicity of chemotherapy and antiepileptic drugs.

Funding: Koetser Foundation, European Research Advisory Board, Bayer Schering, Desitin

Parkinson's disease

C. Bassetti, C. Baumann, G. Eisele, P. Valko

Research into Parkinson's disease focuses on non-motor symptoms. We examine the clinical features of sleep-wake disturbances and impulse control disorders. Collaborations with the Department of Neurosurgery, the Institute for Biochemical Engineering, the Institute for Clinical Chemistry and the Division of Psychiatry Research have been established. Basic science projects shall be established to explore the fundamentals of non-motor symptoms and the mechanisms of novel neuroprotection strategies.

Funding: Swiss Parkinson Society

Sleep

C. Bassetti, C. Baumann, E. Cam, B. Gao, R. Khatami, S. Leemburg, R. Poryazova, M. Siccoli, P. Valko, E. Werth, C. Zunzunegui

We work on narcolepsy and other neurological sleep disorders. We reported on abnormal activation of the amygdala during processing of humorous stimuli and on homeostatic regulatory mechanisms in narcolepsy. Research collaborations exist within the University of Zurich (Departments of Neuroradiology, Neonatology, Pulmonary Medicine; Institute of Pharmacology), the ETH in Zurich and other Universities (Berne, Bologna, Geneva, Milano, Leyden, Montpellier).

Funding: ZIHP, Vifor, UCB

Epilepsy

M. Ortega, H.G. Wieser, D. Zumsteg,

The major research projects involve the genetics of mesial temporal lobe epilepsy and deep brain stimulation in patients with epilepsy. We reported on memory enhancement induced by hypothalamic/fornix deep brain stimulation and on the role of the blood brain barrier in human and animal epilepsy. We collaborate with A. Lozano and W. Wennberg (Krembil Neuroscience Centre, Toronto Western Hospital, Toronto, Canada) and A. Friedman (Departments of Physiology and Neurosurgery, Soroka Medical Center and Zlotowski Center for Neuroscience, Beer-Sheva, Israel).

Headache

Pain

A. Gantenbein, F. Riederer, P. Sandor

Medication overuse headache is one focus of research, including the clinical and psychological evaluation of a rehabilitation program. Using functional imaging and voxel-based morphometry, pathophysiological aspects of migraine are studied, including the intensity dependence of pain processing within the trigeminal territory. Collaborations include the Department of Orofacial Medicine at the University of Zurich, the Neurology and Neuroanatomy Departments of the University of Liège, several departments of the University of Vienna, the Interdisciplinary Pain Center in Freiburg, Germany and the Headache Group of the Institute of Neurology, Queen Square, London, United Kingdom.

Funding: Koetser Foundation, Allergan, MSD

2.2 Wissenschaftliche Vorträge vor externem Publikum

Bassetti, Claudio, Deputy Chairmană ä
Narkolepsie - Klinik und Neurobiologie

124. Wanderversammlung Baden, Baden, Germany, May 17, 2008

Bassetti, Claudio, Deputy Chairmană ä

Primäre und sekundäre Prävention des Schlaganfalls

13. HerzKreislauftag, Zurich, February 4, 2008

Bassetti, Claudio, Deputy Chairmană ä

Therapie motorischer und nicht-motorischer Parkinson Symptome

16. Silser Fortbildung, Sils Maria, August 22, 2008

Bassetti, Claudio, Deputy Chairmană ä

Rôle de l'amygdale dans la narcolepsie

1ère journée française de la narcolepsie, Paris, France, June 27, 2008

Bassetti, Claudio, Deputy Chairmană ä

Schlaf-Apnoe als kardiovaskuläres Risikofaktor

47. Tagung für Neurophysiologie, Flims, January 18, 2008

Bassetti, Claudio, Deputy Chairmană ä

Klinisch-relevante Schlafstörungen

76. SGIM Jahresversammlung, Lausanne, May 22, 2008

Bassetti, Claudio, Deputy Chairmană ä

Neurogenic hypersomnias

9. Turkish Sleep Symposium, Kusadasi, Turkey, November 6, 2008

Bassetti, Claudio, Deputy Chairmană ä

Epilepsie und Schlaf

Abschiedssymposium zu Ehren von Professor Heinz Gregor Wieser, University Hospital Zurich, Zurich, April 3, 2008

Bassetti, Claudio, Deputy Chairmană ä

Schlaganfall und Schlafapnoe

Auftaktveranstaltung, Universitäres Schlafzentrum, Hamburg, Germany, June 25, 2008

Bassetti, Claudio, Deputy Chairmană ä

Die emotionale Welt mit Parkinson

Brain Fair, Zurich, March 8, 2008

Bassetti, Claudio, Deputy Chairmană ä

You treat myasthenia gravis but symptoms worsen

Controversies in Neurology, Berne, June 19, 2008

Bassetti, Claudio, Deputy Chairmană ä

Stroke: Novità diagnostiche e terapeutiche

Corso d'aggiornamento per il medico di base, Bellinzona, November 22, 2008

Bassetti, Claudio, Deputy Chairmană ă
Sleep related breathing disorders and stroke, Invited Lecture
Department Neurology, St. Charles University Prague, Prague, Czech Republic, January 27, 2008

Bassetti, Claudio, Deputy Chairmană ă
Synkopen und Sturz
Doktor Z'Morge, Zurich, October 21, 2008

Bassetti, Claudio, Deputy Chairmană ă
Management of neurologic sleep-wake disorders
EFNS Symposium, Madrid, Spain, August 23, 2008

Bassetti, Claudio, Deputy Chairmană ă
Violence in sleep
ENS Meeting, Nice, France, June 8, 2008

Bassetti, Claudio, Deputy Chairmană ă
Stroke Mimics
ENS Meeting, Nice, France, June 8, 2008

Bassetti, Claudio, Deputy Chairmană ă
How to present difficult cases at grand rounds
ENS Meeting, Nice, France, June 9, 2008

Bassetti, Claudio, Deputy Chairmană ă
Restless legs (Video Cases)
ESRS Symposium, Glasgow, United Kingdom, September 10, 2008

Bassetti, Claudio, Deputy Chairmană ă
Narcolepsy
ESRS Symposium, Glasgow, United Kingdom, September 9, 2008

Bassetti, Claudio, Deputy Chairmană ă
Sleep-wake disturbances and CJD
ESRS-WASM Symposium, Galsgow, United Kingdom, September 12, 2008

Bassetti, Claudio, Deputy Chairmană ă
The neurobiology of narcolepsy
FENS Satellite Symposium, Lausanne, July 11, 2008

Bassetti, Claudio, Deputy Chairmană ă
Neurologische Aspekte des chronischen Schmerzes
Fortbildung Management des chronischen chmerzes, Zurich, December 4, 2008

Bassetti, Claudio, Deputy Chairmană ă
Akute Verwirrtheit
Innere Medizin Fortbildungswoche Zurich, Zurich, September 8, 2008

Bassetti, Claudio, Deputy Chairmană ă
Neurobiology of Narcolepsy
Michael S. Aldrich Commemorative's Lecture, Ann Arbor, MI, USA, August 27, 2008

Bassetti, Claudio, Deputy Chairmană ă
Thalamus und Schlaf
Montagskolloqium der Universitären Psychiatrischen Kliniken, Basel, October 3, 2008

Bassetti, Claudio, Deputy Chairmană ă
Narcolepsy, Invited Lecture
Montenegro Medical School, Podgorica, Montenegro, May 30, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Neurologische Perlen
 Neurologie für den praktizierenden Arzt, Zurich, November 13, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Neurobiologie der Narkolepsie
 Neurowiss. Kolloquium, SS 2008, Essen, Germany, June 4, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Levodopa Therapie/Therapie der motorischen Fluktuationen
 Parkinson Workshop, Zurich, May 7, 2008

Bassetti, Claudio, Deputy Chairmană ă
 L'esame del paziente in coma
 Perfezionamento in medicina intensive, Bellinzona, December 18, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Sleep-wake changes after focal brain ischemia
 Pharmakologie Seminar, Zurich, November 12, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Restless legs Syndrom
 Pharmazeutische Gesellschaft Zurich, Zurich, January 10, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Sens du temps: Aspects neurobiologiques
 Quadrimed, President's lecture, Montana, February 2, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Orexin-/Hypokretin-System
 Reihe „Innere Medizin und Neurologie“, Zurich, January 10, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Narkolepsie
 Schweizer Tag der Narkolepsie, Zurich, February 8, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Müdigkeit/Schläfrigkeit
 SIM Gutacherkurs, Luzern, July 3, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Cellule staminali e stroke
 Simposio sulle cellule staminali, Lugano, November 20, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Neurologie und Psychiatrie: Entwicklung in der Schweiz
 SNG Tagung, Basel, October 31, 2008

Bassetti, Claudio, Deputy Chairmană ă
 Bewegungsstörungen als Notfall
 Symposium Parkinson/Bewegungsstörungen, Zurich, March 27, 2007

Bassetti, Claudio, Deputy Chairmană ă
 Restless legs Syndrom
 Weiterbildung, Klinik Kilchberg, Kilchberg, August 15, 2008

Baumann, Christian, Senior physician
 Narcolepsy
 American Academy of Neurology, Invited Lecture, Chicago, USA, April 13, 2008

Baumann, Christian, Senior physician
Loss of hypocretin neurons with traumatic brain injury
American Academy of Neurology, Oral Communication, Chicago, USA, April 13, 2008

Baumann, Christian, Senior physician
Sleep-wake disorders after stroke
Animal laboratory opening, Zurich, September 24, 2008

Baumann, Christian, Senior physician
ESRS training course: Hypocretins
ESRS training course, Bertinoro, Italy, April 26, 2008

Baumann, Christian, Senior physician
State space analysis in human patients: first results
Harvard Institutes of Medicine, Laboratory meeting, Boston, USA, October 4, 2008

Baumann, Christian, Senior physician
Sleep-wake disturbances after traumatic brain injury
Meeting of the European Sleep Research Society, Symposium lecture, Glasgow, United Kingdom, September 13, 2008

Baumann, Christian, Senior physician
Neuropsychiatrische Manifestationen bei Morbus Parkinson
Neurodegeneration symposium, Zurich, May 29, 2008

Baumann, Christian, Senior physician
Sleep-wake disorders in neurology
Roche International Advisory Meeting, Buonas, March 18, 2008

Baumann, Christian, Senior physician
Sleep-wake disturbances and traumatic brain injury
Sleep symposium, Zurich, April 10, 2008

Baumgartner, Ralf, Leading senior physician
Time is Brain – Management des akuten Schlaganfalls
13. HerzKreislaufstag, Zurich, December 4, 2008

Baumgartner, Ralf, Leading senior physician
Karotisstenting versus - chirurgische Endarteriektomie
13. HerzKreislaufstag, Zurich, December 4, 2008

Baumgartner, Ralf, Leading senior physician
Current state in clinical stroke research
16. Zurich course on interventional neuroradiology, Zurich, July 3, 2008

Baumgartner, Ralf, Leading senior physician
AMS – a neurological disease?
25. Anniversary of research in high altitude physiology and medicine at the new capanna Margherita, Teatro civico, Varallo Sesia, Italy, October 10, 2008

Baumgartner, Ralf, Leading senior physician
Ultrasound assessment of cervical artery dissection
3. Corso di aggiornamento in eco-color-Doppler transcranico, San Benedetto del Tronto, Italy, April 8, 2008

Baumgartner, Ralf, Leading senior physician
Diagnosis of intracranial stenoses with transcranial color coded duplex sonography
3. Corso di aggiornamento in eco-color-Doppler transcranico, San Benedetto del Tronto, Italy, April 8, 2008

Baumgartner, Ralf, Leading senior physician
Platelet inhibitors for stroke secondary prevention
Advisory board, Berne, June 19, 2008

Baumgartner, Ralf, Leading senior physician
IV thrombolysis – practice and new developments
European stroke initiative (EUSI) Summer School, Lausanne, June 28, 2008

Baumgartner, Ralf, Leading senior physician
Schwindel beim Bergsteigen
Heidelberg, Germany, November 14, 2008

Baumgartner, Ralf, Leading senior physician
Angiologisch – Hämatologische Fortbildung für praktizierende Ärzte
Neurologische Beurteilung, Berne University Hospital, Berne, April 10, 2008

Baumgartner, Ralf, Leading senior physician
Akuter ischämischer Schlaganfall
Savognin, March 4, 2008

Baumgartner, Ralf, Leading senior physician
Vascular and cardiac imaging assessment after a stroke or transient ischemic attack
Schweizerische Gesellschaft für Kardiologie, Berne, May 30, 2008

Baumgartner, Ralf, Leading senior physician
Ultrasound clot lysis
Società Interdisciplinare Neurovascolare (SINV) Italiana, Università di Modena e Reggio d'Emilia, Reggio Emilia, Italy, January 30, 2008

Baumgartner, Ralf, Leading senior physician
Management of spontaneous dissection of the cervical carotid artery
The European-Japanese joint conference on stroke surgery, Helsinki, Finland, July 4, 2008

Baumgartner, Ralf, Leading senior physician
Transcranial ultrasound enhanced thrombolysis
Zerebrovaskuläre Arbeitsgruppe Schweiz, Aarau, January 24, 2008

Brugger, Peter, Head of Unit
Productive symptoms of neuropsychology
26th European Workshop on Cognitive Neuropsychology, Brixen, Italy, January 23, 2008

Brugger, Peter, Head of Unit
Phantom limbs and body representation
Brain-Mind Institute EPFL, Lausanne, April 10, 2008

Brugger, Peter, Head of Unit
Schranken im Kopf: neuropsychologische Grundlagen wissenschaftlichen Denkens
Forschende im Dialog. Symposium, University of Zurich, March 17, 2008

Brugger, Peter, Head of Unit
Borderlands of creativity: the magical brain
Forschungszentrum Jülich, Jülich, Germany, October 24, 2008

Brugger, Peter, Head of Unit
Inkarnation und Animation. Kongenitale Phantome und der Wunsch nach Amputation
Gemeinsamer Kongress der DGMP/DGMS, Jena, Germany, September 29, 2008

Brugger, Peter, Head of Unit
Ein Spuksessel. Pareidolien bei Morbus Parkinson
HirniPick, Zurich, August 27, 2008

Brugger, Peter, Head of Unit
Phantome in Neuropsychologie und Neuropsychiatrie
LiDoKo, Faculty of Psychology, University of Zurich, September 17, 2008

Brugger, Peter, Head of Unit
Gehirn und Moral. Start-Workshop "Ethische Fragen zur Tiefenhirnstimulation
UFSP Ehtik, University of Zurich, December 12, 2008

Brugger, Peter, Head of Unit
Die Hand im Gehirn
University of Bielefeld, Bielefeld, Germany, November 4, 2008

Brugger, Peter, Head of Unit
Hostile interactions between body and self. Interdisciplinary Summer School on Body Representation
University of Bologna, Bologna, Italy, June 17, 2008

Brugger, Peter, Head of Unit
"Je est un autre". The psychological side of phantom limb and phantom double
University of Milano-Bicocca, Milan, Italy, May 19, 2008

Dürsteler, Max R., Medical software engineer
Stereo Rotation Standstill
Best Visual Illusion of the Year Contest, Naples FL, USA, May 11, 2008

Dürsteler, Max R., Medical software engineer
Stereo Rotation Standstill
Oculomotor Meeting, Munich, Germany, January 25, 2008

Dürsteler, Max R., Medical software engineer
Stereo Rotation Standstill and Stereo Pseudo-Rotation Illusion
Visual Science Society Meeting , Naples FL, USA, May 11, 2008

Fritz-Fiaux, Annette, Resident neurologist
Is conventional MRI sufficient to reflect residual disease activity in multiple sclerosis patients treated with natalizumab?
Meeting of the Swiss Neurological Society Basel, October 30, 2008

Goebels, Norbert, Assistant professor
Neuroimmunologische Erkrankungen
Educational Course for Practitioners, Zurich, September 10, 2008

Goebels, Norbert, Assistant professor
ECTRIMS Update 2009
Educational Symposium for MS Nurses, Zurich, October 2, 2008

Goebels, Norbert, Assistant professor
Multiple Sklerose: Was muss der Hausarzt wissen?
Educational Symposium for Practitioners, Zurich, May 29, 2008

Goebels, Norbert, Assistant professor
Clinical Neuroimmunology
Meeting of the Joint Collaboration Council, Zurich, September 24, 2008

Goebels, Norbert, Assistant professor
Clinical Neuroimmunology
Meeting of the NCCR/Merck-Serono Joint Collaboration Council, Geneva, February 8, 2008

Goebels, Norbert, Assistant professor
Wie sieht die MS-Therapie der Zukunft aus?
MS Symposium, Kantonsspital Aarau, Aarau, December 5 2008

Goebels, Norbert, Assistant professor
Neue MS-Therapien in der "Pipeline"
MS Symposium, Lucerne, September. 2008

Goebels, Norbert, Assistant professor
Tysabri Update-Wirkung, Sicherheit und Erfahrungen
Multiple Sclerosis Symposium, Vorarlberg, Austria, October 18, 2008

Goebels, Norbert, Assistant professor
Translating Science to Therapy: Examples from Multiple Sclerosis
NCCR Symposium Berlingen, March 8, 2008

Goebels, Norbert, Assistant professor
B cells in multiple sclerosis
Scientific Seminar, Department of Experimental Rheumatology, Zurich, April 29, 2008

Goebels, Norbert, Assistant professor
Die Rolle humoraler Immunität und zytotoxischer T-Zellen in der Pathogenese der Multiplen Sklerose
Scientific Seminar, University of Düsseldorf, Düsseldorf, Germany, April 10, 2008

Goebels, Norbert, Assistant professor
Die Rolle immunologischer Effektormechanismen bei Demyelinisierung und axonalem Schaden
Scientific Seminar, University of Münster, Germany, December 18, 2008

Goebels, Norbert, Assistant professor
B cells in multiple sclerosis and experimental autoimmune encephalomyelitis
Scientific Symposium Novartis, Basel, June 16, 2008

Goebels, Norbert, Assistant professor
Current therapies in MS : Gold standard and unmet medical needs
Scientific Symposium, Feusisberg, July 31, 2008

Goebels, Norbert, Assistant professor
The role of humoral immunity and cytotoxic T cells in multiple sclerosis
Scientific Symposium, Merck-Serono, Geneva, June 30, 2008

Goebels, Norbert, Assistant professor
Multiple sclerosis in Switzerland
Scientific Symposium, University of Glasgow, United Kingdom, July 2, 2008

Goebels, Norbert, Assistant professor
Multiple Sklerose: Behandlung des Krankheitsverlaufes
Symposium of the Hoehenklinik Wald, Zurich, February 7, 2008

Goebels, Norbert, Assistant professor
Neues zur Immunologie der Myositis
Symposium of the Scientific Advisory Board Muscle and Pain, Bernried, Germany, May 27, 2008

Goebels, Norbert, Assistant professor
Labordiagnostik bei Multipler Sklerose
Symposium: Laboratory Diagnostic of Neurological Diseases, Zurich, January 10, 2008

Goebels, Norbert, Assistant professor
Natalizumab in Multiple Sclerosis treatment: Clinical Efficacy and Patient Selection
Tysabri Educational Training, Vienna, Austria, March 28, 2008

Goebels, Norbert, Assistant professor
Demyelination and axonal damage
ZNZ Symposium, Neuroimmunology Workshop, Zurich, September 12, 2008

Hans H. Jung, Senior physician
Sekundäre Kopfschmerzen sicher erkennen
3. Annual Meeting, Foederatio Medicorum Practicorum (FMP), Zurich, June 5, 2008

Hans H. Jung, Senior physician
Therapie hyperkinetischer Bewegungsstörungen
3. Symposium on Dementia and Neurodegeneration, University Hospital Zurich, May 29, 2008

Hans H. Jung, Senior physician
McLeod Syndrome: Brain and Neuromuscular Pathology
4. International Symposium on Neuroacanthocytosis, London and Oxford, United Kingdom, July 1, 2008

Hans H. Jung, Senior physician
Chorea-Syndrome
Department of Neurology, University Hospital, Berne, December 4, 2008

Hans H. Jung, Senior physician
Atypische Parkinson-Syndrome
Disorders of the Elderly, Center of Gerontopsychiatry Hegibach, Zurich, August 28, 2008

Hans H. Jung, Senior physician
Vertebrale und radikuläre Syndrome: weiche und harte Facts aus neurologischer Sicht
Meeting Swiss Insurance Medicine, Berne, March 28, 2008.

Hans H. Jung, Senior physician
Neuroacanthocytosis Syndromes
Neurodegeneration Meeting, Novartis Institute for Biomedical Research, Basel, March 3, 2008

Hans H. Jung, Senior physician
Differentialdiagnose der Chorea-Syndrome
Rehabilitation Center, Walzenhausen, November 26, 2008

Hans H. Jung, Senior physician
Neurogenetik und Neurodegeneration
Symposium on Laboratory Diagnostics of Disorders of the Central Nervous System, University Hospital Zurich, Zurich, January 1, 2008

Hess, Bernhard J. M., Director of vestibulo-oculomotor laboratory
Transformations in the final motor outflow in 3D oculomotor control
Symposium in Honour of Jan Van Gisbergen, Nijmegen, The Netherlands, May 30, 2008

Laurens, Jean, Research fellow
Stable background stabilizes posture during ocular fixation and tracking
Clinical Neuroscience Symposium, Zurich, December 12, 2008

Laurens, Jean, Research fellow
Gravity-dependent velocity storage participates in reconstruction head motion in space in monkeys
Oculomotor Meeting, Munich, Germany, January 25, 2008

Laurens, Jean, Research fellow
Gravity-dependent velocity storage participates in reconstruction head motion in space in monkeys
Primate Neurobiology Meeting, Tübingen, Germany, February 28, 2008

Laurens, Jean, Research fellow
Gravity-dependent velocity storage participates in reconstruction head motion in space in monkeys
Symposium in Laboratoire de la Physiologie de la Perception et de l'Action, CNRS UMR 7152, Paris, France, September 26, 2008

Laurens, Jean, Research fellow
Gravity-dependent velocity storage participates in reconstruction head motion in space in monkeys
Symposium in Washington University School of Medicine, St Louis, MO, USA, November 21, 2008

Laurens, Jean, Research fellow
 Stable background stabilizes posture during ocular fixation and tracking
 Zurich Integrative Human Physiology (ZIHP) Center meeting, Zurich, August 22, 2008

Linnebank, Michael, Senior physician
 Neu aufgetretene Lähmung: An was muss man in der Praxis denken?
 13. HerzKreislauftag. Zurich, December 4, 2008

Linnebank, Michael, Senior physician
 Schlüssel zur Neurotoxizität von Homocystein ist aus Kupfer
 5. Annual Conference of the Deutschen Vereinte Gesellschaft für Klinische Chemie und Laboratoriums-
 medizin (DGKL), Mannheim, Germany, September 21-24, 2008

Linnebank, Michael, Senior physician
 Diagnostik, klinische Bedeutung und Therapie des Vitamin-B12-Mangels
 5. Annual Conference of the Deutschen Vereinte Gesellschaft für Klinische Chemie und Laboratoriums-
 medizin (DGKL), Mannheim, Germany, September 21-24, 2008

Linnebank, Michael, Senior physician
 Der Schlaganfall. Erkennung, Vorbeugung und Behandlung
 Annual Salzburger Gesundheits Dialoge, Salzburg, Austria, June 27, 2008

Linnebank, Michael, Senior physician
 Homocysteine – its role in the human body and associated disorders
 Klinisch-biochemisches Kolloquium, University Children's Hospital, Zurich, December 3, 2008

Linnebank, Michael, Senior physician
 Medizinische Bedeutung, Diagnostik und Therapie des Vitamin-B12- und des Folsäuremangels
 Neurology for General Practitioners, Zurich, November 13, 2008

Linnebank, Michael, Senior physician
 Medizinische Bedeutung, Diagnostik und Therapie des Vitamin-B12- und des Folsäuremangels
 The DACH-Liga Homocystein e.V. Symposium, Munich, Germany, November 10, 2008

Poryazova, Rositsa, Research assistant
 Cognitive and sleep EEG evolution after stroke – preliminary results
 4. Symposium of the Zurich Center for Integrative Human Physiology (ZIHP), Zurich, August 22, 2008

Poryazova, Rositsa, Research assistant
 Brain morphological studies in narcolepsy
 Swiss Narcolepsy Day, Zurich, February 8, 2008

Sandor, Peter, Senior physician
 Iatrogene Schmerzen - Medikamentenübergebrauchskopfschmerzen
 17. Zurich Pain Conference, Zurich, October 20, 2008

Sandor, Peter, Senior physician
 Pharmakotherapie der Migräne- aktueller Stand und künftige Optionen
 6. Postgraduate course headache , Medical University of Vienna, Austria, January 25, 2008

Sandor, Peter, Senior physician
 Orofacial primary headaches
 Annual scientific meeting of the European academy of craniomandibular disorders, Zurich, September
 18, 2008

Sandor, Peter, Senior physician
 Update Migräne
 Clinical and scientific symposium "10 years Neurological headache clinic", University Hospital Halle,
 Halle (Saale), Germany, April 26, 2008

Sandor, Peter, Senior physician
Migräne-Therapie und Abklärung
Congress of the Zurich Lung League, Physician advanced training course, Davos, January 10, 2008

Sandor, Peter, Senior physician
Neurologische Aspekte der Interdisziplinären Schmerzsprechstunde USZ
Continuous Medical Education, Department of Rheumatology and Institute for Physical Medicine, University Hospital, Zurich, February 7, 2008

Sandor, Peter, Senior physician
Treatment of migraine with Botulinim
Dutch Headaches Society, Den Bosch, The Netherlands, November 21, 2008

Sandor, Peter, Senior physician
Highlights of the Congress
European Headache and Migraine Trust International Congress 2008, London, United Kingdom, September 7, 2008

Sandor, Peter, Senior physician
Persistent aura without infarction
European Headache Summer School, Nice, France, October 3, 2008

Sandor, Peter, Senior physician
Kopfweh und Schmerz, state of the art
Medical Tribune Weiterbildung, Zurich, October 2, 2008

Sandor, Peter, Senior physician
Schmerztherapeutische Schlüsselbotschaften aus der ISSS
Pain colloquium, Department of Rheumatology, University Hospital, Zurich, April 10, 2008

Sandor, Peter, Senior physician
Konzeptuell Neues zur Migräne
Siegenthaler Symposium, Zurich, December 4, 2008

Sandor, Peter, Senior physician
Kopfschmerzen: pathophysiologische Aspekte
Swiss association for the study of pain (SGSS/ SSED), Certificate course, Zurich, May 10, 2008

Sandor, Peter, Senior physician
Modekrankheit Fibromyalgie – eine interdisziplinäre Herausforderung. Evidenzbasierte Therapieoptionen
Swiss association for the study of pain, Biel, November 14, 2008

Sandor, Peter, Senior physician
Prophylaxe - news aus der Pharmatherapie des Kopfweh
Swiss headache society SKG, Berne, November 6, 2008

Sandor, Peter, Senior physician
Publikumveranstaltung. Neues aus der Kopfwehtherapie - Schulmedizin
Swiss headache society SKG, Berne, November 7, 2008

Sandor, Peter, Senior physician
Posttraumatic headache
Swiss National Accident Insurance Fund (Suva), Mild traumatic brain injury [MTBI] Summit, Zurich, June 27, 2008

Sandor, Peter, Senior physician
Medication overuse patients have be treated as in – patient
VII international congress on headache in children and adolescents, Istanbul, Turkey, May 18, 2008

Sobottka, Bettina, PhD student
 Confocal live imaging reveals direct transection of myelinated axons by antigen-specific CD8+ T cells
 Congress of the International Society of Neuroimmunology, Dallas/Fort Worth, TX, USA, October 28, 2008

Straumann, Dominik, Leading senior physician
 Neuro-otological deficits in Fabry disease
 Barany Society Meeting, Kyoto, Japan, February 3, 2008

Straumann, Dominik, Leading senior physician
 Neurophysiological bases of neuro-otology
 Barany Society Meeting, Kyoto, Japan, March 31, 2008

Straumann, Dominik, Leading senior physician
 Progressive vestibular impairment in patients with polyneuropathy
 Basic and Clinical Aspects of Vertigo and Dizziness, Kloster Seeon, Germany, June 24, 2008

Straumann, Dominik, Leading senior physician
 Schwindel: Abklärung Therapie (Workshops)
 Congress of the Zurich Lung League, Davos, January 10-12, 2008

Straumann, Dominik, Leading senior physician
 Benigner paroxysmaler Lagerungsschwindel - diagnostische und therapeutische Manöver
 General Practitioner's Quality Circle Arbon, Arbon, December 16, 2008

Straumann, Dominik, Leading senior physician
 Schwindel: Abklärung Therapie
 Medical Seminars, Herisau Hospital, Herisau, March 6, 2008

Straumann, Dominik, Leading senior physician
 Clinical and electrophysiological assessment of motor and premotor gaze palsies
 Neuro-ophthalmology teaching course, EFNS Madrid, Madrid, Spain, August 23, 2008

Straumann, Dominik, Leading senior physician
 Cervical and masticatory dysfunctions and their relationship with vertigo
 Neuroscience meets clinic: An update on headache and orofacial pain, Zurich, September 18, 2008

Straumann, Dominik, Leading senior physician
 Schwindel: Systematik Manöver
 Seminar for General Practitioners, Samedan, November 27, 2008

Straumann, Dominik, Leading senior physician
 Schwindel im Alter
 Seminars for General Practitioners, Bad Schauenburg, August 28, 2008

Straumann, Dominik, Leading senior physician
 Schwindel im Alter
 Seminars in Geriatrics, Platter Hospital, Basel, January 29, 2008

Straumann, Dominik, Leading senior physician
 Funktion und klinische Bedeutung des vestibulo-okulären Reflexes
 Seminars in Neurology, Basel University Hospital, Basel, October 9, 2008

Straumann, Dominik, Leading senior physician
 Triage bei Spontanystagmus
 Swiss Ophthalmological Society, Interlaken, September 12, 2008

Straumann, Dominik, Leading senior physician
 Learning Center (4 Workshops): Lagerungs- und Repositonsmanöver
 Swiss Society for Internal Medicine, Lausanne, May 21-22, 2008

Straumann, Dominik, Leading senior physician

Schwindel: Gefährlich oder nicht?

Swiss Society for Internal Medicine, Lausanne, May 22, 2008

Weller, Michael, Chairman

Klinische Studien: von prognostischen zu prädiktiven Markern: ein Paradigmenwechsel in der Neuroonkologie

1. Summer Neurooncology Symposium, Frankfurt, Germany, September 19, 2008

Weller, Michael, Chairman

Standards und Kontroversen bei der Therapie niedriggradiger Gliome

124. "Wanderversammlung", Baden-Baden, Germany, May 18, 2008

Weller, Michael, Chairman

European Up-Date: Current Clinical Trials of the German Neuro-Oncology Group

13. Biennial Canadian Neurooncology Meeting, Banff, Alberta, Canada, May 16, 2008

Weller, Michael, Chairman

Antikoagulation bei neuropsychiatrischen Patienten - ein therapeutisches Dilemma

13. Circulation Day "Heart and Brain", Zurich, December 4, 2008

Weller, Michael, Chairman

Neuroonkologie - wo stehen wir?

15. Interdisciplinary Symposium on Neuroradiology, Freiburg i.Br., Germany, July 12, 2008

Weller, Michael, Chairman

Aktuelle Studiendaten: NOA-04 und NOA-08

2. Symposium on Neurooncology at the West German Tumor Centre, Essen, Germany, September 3, 2008

Weller, Michael, Chairman

Neurologisches Seminar: Schlaganfall

22. Interdisciplinary Summer Seminars in Internal Medicine, Davos, July 21, 2008

Weller, Michael, Chairman

Neurologisches Seminar: Multiple Sklerose

22. Interdisciplinary Summer Seminars in Internal Medicine, Davos, July 22, 2008

Weller, Michael, Chairman

Molecular neuropathology and novel therapeutic approaches: the German Glioma Network

3. Mildred Scheel Cancer Conference, Königswinter, Germany, June 20, 2008

Weller, Michael, Chairman

Radiochemotherapy for brain metastases: how to define a role for temozolomide?

4. International Conference "Future trends in the treatment of brain tumors, Bologna, Italy, February 23, 2008

Weller, Michael, Chairman

Anaplastic astrocytoma

4. International Conference "Future trends in the treatment of brain tumors, Bologna, Italy, February 23, 2008

Weller, Michael, Chairman

Aktuelle chemotherapeutische Strategien bei high-grade Gliomen

59. Annual Meeting of the German Society of Radiooncology, Vienna, Austria, May 3, 2008

Weller, Michael, Chairman

Die neurogene Blase

7. Meeting: Neurology for General Practitioners, Zurich, November 13, 2008

Weller, Michael, Chairman
Design und Durchführung klinischer Studien in der Neuroonkologie
81. Annual Meeting of the German Neurological Society, Hamburg, Germany, September 10, 2008

Weller, Michael, Chairman
Die Wertigkeit molekularer Marker in der Gliomtherapie
81. Annual Meeting of the German Neurological Society, Hamburg, Germany, September 10, 2008

Weller, Michael, Chairman
German Glioma Network
Annual Meeting of the German Neuro-Oncology Working Group, Bochum, Germany, June 20, 2008

Weller, Michael, Chairman
Temozolomide and beyond: a European perspective on the future management of gliomas
Australian Lecture Series, Brisbane, Australia, August 20, 2008

Weller, Michael, Chairman
Temozolomide and beyond: a European perspective on the future management of gliomas
Australian Lecture Series, Melbourne, Australia, August 19, 2008

Weller, Michael, Chairman
Temozolomide and beyond: a European perspective on the future management of gliomas
Australian Lecture Series, Perth, Australia, August 18, 2008

Weller, Michael, Chairman
Temozolomide and beyond: a European perspective on the future management of gliomas
Australian Lecture Series, Sydney, Australia, August 21, 2008

Weller, Michael, Chairman
Glioblastomas are treatable
Controversies in Neurology, Berne, June 19, 2008

Weller, Michael, Chairman
Enzastaurin in glioma therapy
EORTC Strategy Meeting, Geneva, January 25, 2008

Weller, Michael, Chairman
Antiangiogenesis in glioma therapy
EORTC Strategy Meeting, Geneva, January 25, 2008

Weller, Michael, Chairman
DIRECTOR trial: a paradigm
EORTC Strategy Meeting, Geneva, January 26, 2008

Weller, Michael, Chairman
Prognostic impact of tumor biology and molecular genetics in gliomas
European Association for Nuclear Medicine Congress, Munich, Germany, October 13, 2008

Weller, Michael, Chairman
Hirnschlag
General Training of the Medical Faculty Zurich, September 8, 2008

Weller, Michael, Chairman
Anaplastische Gliome
German Cancer Congress, Berlin, Germany, February 22, 2008

Weller, Michael, Chairman
Therapiekonzepte bei Glioblastomen
Glioma Therapy 2008: Standards and Results, Berlin, Germany, October 15, 2008

Weller, Michael, Chairman
Therapiekonzepte bei Glioblastomen
Glioma Therapy 2008: Standards and Results, Cologne, Germany, November 5, 2008

Weller, Michael, Chairman
Glioblastome
Glioma Therapy 2008: Standards and Results, Hannover, Germany, September 17, 2008

Weller, Michael, Chairman
Perspektiven der Hirntumorthherapie im 21. Jahrhundert
Inaugural Lecture, University of Zurich, December 6, 2008

Weller, Michael, Chairman
Molecular markers predicting natural course and response to therapy in brain tumor patients
Institute of Neurology, Academic opening event, Berlin-Buch, Germany, May 26, 2008

Weller, Michael, Chairman
Spinale Tumoren: Diagnostik und Therapie
Lecture Series, Balgrist Hospital, Zurich, September 16, 2008

Weller, Michael, Chairman
Molekulare Prädiktoren des Verlaufs und des Therapieerfolgs bei Gliomen
Mini-Symposium: Neuropathology for Neurosurgeons, Berlin, Germany, October 6, 2008

Weller, Michael, Chairman
Treatment-related toxicity of the central nervous system
Minisymposium "Glioma: treatment and beyond, Amsterdam, The Netherlands, July 4, 2008

Weller, Michael, Chairman
Modulation of immune function by glioblastoma
NCCR Neural Plasticity and Repair Symposium, Berlingen, March 7, 2008

Weller, Michael, Chairman
Neuroonkologie
Neurology Days Essen, Germany, October 17, 2008

Weller, Michael, Chairman
Update 2008: was gibt es neues in der Neuroonkologie?
Neurology Symposium, Technical University, Munich, Germany, February 2, 2008

Weller, Michael, Chairman
Therapiekonzepte bei Glioblastomen
Neurooncology 2008, Freiburg im Breisgau, Germany, December 11, 2008

Weller, Michael, Chairman
Glioblastome
Neurooncology 2008, Potsdam, Germany, March 14, 2008

Weller, Michael, Chairman
Temozolomide fits all?
Neurooncology Symposium, Department of Neurology, Erlangen, Germany, May 7, 2008

Weller, Michael, Chairman
Ergebnisse der NOA-Studien
Neurooncology: Update on diagnostics and treatment, Göppingen, Germany, March 8, 2008

Weller, Michael, Chairman
Rezidivtherapie
NOA - Autumn Seminar 2008, Ludwigsburg, Germany, October 16, 2008

Weller, Michael, Chairman
Update 2008 - Was gibt es Neues in der Neuroonkologie?
Postgraduate Seminars in Neurology 2008, Wuppertal, Germany, April 2, 2008

Weller, Michael, Chairman
Update 2008 - Was gibt es Neues in der Neuroonkologie?
Postgraduate Seminars in Neurology, Kantonsspital Aarau, November 20, 2008

Weller, Michael, Chairman
Neue Entwicklungen in der Diagnostik und Therapie primärer Hirntumoren
Postgraduate Training in Neurology, Rehabilitation Clinic, Wald, June 11, 2008

Weller, Michael, Chairman
Neue molekular stratifizierte Therapiekonzepte für maligne Gliome
Postgraduate Training of the Klinikum Villingen-Schwenningen, Germany, June 18, 2008

Weller, Michael, Chairman
Therapie niedriggradiger Gliome
Postgraduate Training of the Ortenau Klinikum, Lahr-Ettenheim, Germany, June 4, 2008

Weller, Michael, Chairman
Klinische und experimentelle Therapiestrategien bei Gliomen
Postgraduate Training, Department of Neurology, University of Basel, February 28, 2008

Weller, Michael, Chairman
Praktische Neuroonkologie für Neuroonkologen
Postgraduate Training, Department of Neurology, Zurich, January 17, 2008

Weller, Michael, Chairman
Experimental strategies of immunotherapy for glioblastoma
Research Seminars in Clinical Oncology, Cancer Network Zurich, March 6, 2008

Weller, Michael, Chairman
Novel strategies to overcome chemo- and radioresistance in glioblastoma
Seminar series, Department of Toxicology, Mainz, Germany, November 28, 2008

Weller, Michael, Chairman
Aktueller Stand der Therapie von malignen hirneigenen Tumoren
Seminars for Physicians Karlsruhe "Neurology", Karlsruhe, Germany, November 22, 2008

Weller, Michael, Chairman
Praktische Neuroonkologie für Pflegekräfte und Therapeutinnen
Seminars in Neurological Nursing, Zurich, February 29, 2008

Weller, Michael, Chairman
Therapiestandards und aktuelle Studien bei malignen Gliomen
Seminars in Neurooncology, Department of Neurology, Zurich, April 17, 2008

Weller, Michael, Chairman
Neue therapeutische Ansätze in der Behandlung maligner Tumoren
Seminars in Neurooncology, Technical University, Munich, Germany, December 3, 2008

Weller, Michael, Chairman
Experimental strategies for the treatment of glioblastoma
Seminars in Oncology, Clinic for Oncology, Zurich, March 6, 2008

Weller, Michael, Chairman
Standards und neue Entwicklungen in der Gliomtherapie
Seminars of the Swiss Epilepsy Center, Zurich, November 27, 2008

Weller, Michael, Chairman
50 Jahre Neuroonkologie - gibt es wirklich Fortschritte in Diagnostik und Therapie?
Symposium in honour of the 80. Birthday of Prof. H.H. Kornhuber, Ulm, Germany, April 19, 2008

Weller, Michael, Chairman
Glioblastome und anaplastische Astrozytome - klinisch.
What's up in Neurooncology, Dresden, Germany, October 10, 2008

Weller, Michael, Chairman
Prognostic biomarkers of brain cancer
Workshop "Biology of Cancer", Warsaw, Poland, June 26, 2008

Weller, Michael, Chairman
Immunotherapy for malignant glioma
ZNZ-MSI Scientific Day, UZH/ETH Zurich, June 30, 2008

Werth, Esther, Research assistant
Narcolepsy: Wie lachen zum Sturz führen kann
175 Jahre UZH, Parcours des Wissens, Zurich, March 11, 2008

Werth, Esther, Research assistant
REM sleep under high and low sleep pressure in narcolepsy patients and healthy controls
European Sleep Research Society Congress, Glasgow, United Kingdom, September 11, 2008

Werth, Esther, Research assistant
Narcolepsy: sleep wake disorder
First Swiss Day of Narcolepsy, Zurich, February 7, 2008

Werth, Esther, Research assistant
Sleep and its regulation in narcolepsy
First Swiss Day of Narcolepsy, Zurich, February 8, 2008

Werth, Esther, Research assistant
Diagnostic approaches in sleep medicine
Marie Curie Program - European Sleep Research Society - Training Course, Zurich, June 23, 2008

Werth, Esther, Research assistant
Physiology of sleep
Sleep Symposia Kamillus-Klinik Asbach, Germany, November 13, 2008

Werth, Esther, Research assistant
Circadian sleep disorders
Sleep Symposia Kamillus-Klinik, Asbach, Germany, November 13, 2008

Werth, Esther, Research assistant
Principles of sleep medicine
Sleep Symposia Kamillus-Klinik, Asbach, Germany, November 13, 2008

Zumsteg, Dominik, Senior physician
Danke HGW
Abschiedssymposium zu Ehren von Professor Heinz Gregor Wieser, University Hospital Zurich, Zurich, April 3, 2008

Zumsteg, Dominik, Senior physician
Kortikale Aktivierung/Hemmung unter subkortikaler Stimulation
Brain Mapping Research, Department of Child and Adolescent Psychiatry, University of Zurich, September, 2008

Zumsteg, Dominik, Senior physician
Psychochirurgie – ein Plädoyer
Inaugural Lecture, Faculty of Medicine, University of Zurich, May, 2008

Zumsteg, Dominik, Senior physician
Tiefe Hirnstimulation
Postgraduate Training, Swiss Epilepsy Clinic, Zurich, April, 2008

Zumsteg, Dominik, Senior physician
Kasuistik Epileptologie
Postgraduate Training, Clinic for Neurology, University Hospital Zurich, Zurich, July, 2008

2.3 Forschungsdatenbank

Professur/Forschungsbereich: Bassetti, Claudio
Projektleiter/in: Bassetti, Claudio; Benninger, David
Projekttitle: Preclinical diagnosis of idiopathic Parkinson's disease: is dysautonomy a biomarker for neurodegeneration?

Finanzquelle: No project-specific funding
01.01.2006-31.12.2008

<http://www.research-projects.uzh.ch/p9147.htm>

Professur/Forschungsbereich: Bassetti, Claudio
Projektleiter/in: Bassetti, Claudio; Siccoli, Massimiliano
Projekttitle: Diffusion-Perfusion MRI lesion volumes in acute ischemic stroke in patients with and without Sleep Apnea

Finanzquelle: No project-specific funding
01.01.2002-31.01.2008

<http://www.research-projects.uzh.ch/p9131.htm>

Professur/Forschungsbereich: Bassetti, Claudio
Projektleiter/in: Bassetti, Claudio; Siekierka-Kleiser, Ewa Maria
Projekttitle: Rehabilitation of arm functions in acute stroke patients

Finanzquelle: Others
01.01.2006-30.06.2009

<http://www.research-projects.uzh.ch/p9130.htm>

Professur/Forschungsbereich: Bassetti, Claudio
Projektleiter/in: Bassetti, Claudio; Valko, Philipp; Siccoli, Massimiliano; Sandor, Peter
Projekttitle: 1) Sleep wake habits and prevalence of sleep disorders in patients with primary headaches
2) Clinical and paraclinical evaluation of migraine patients with nocturnal attacks as opposed to patients with daytime attacks

Finanzquelle: No project-specific funding
01.03.2006-30.09.2009

<http://www.research-projects.uzh.ch/p9139.htm>

Professur/Forschungsbereich: Bassetti, Claudio
Projektleiter/in: Bassetti, Claudio; Valko, Philipp; Pizza, Fabio; Siccoli, Massimiliano
Projekttitle: Sleep-associated breathing disorders, blood pressure and sympathetic near infrared spectroscopy (NIRS) in acute stroke patients and 3-month follow-up

Finanzquelle: No project-specific funding
01.01.2002-30.11.2008

<http://www.research-projects.uzh.ch/p9135.htm>

Professur/Forschungsbereich: Bassetti, Claudio
Projektleiter/in: Bassetti, Claudio; Valko, Philipp; Sudano, Isabella
Projekttitle: Sleep-associated breathing disorders, blood pressure and sympathetic activity in acute stroke patients and 3-month follow-up

Finanzquelle: No project-specific funding
01.01.2002-30.11.2008

<http://www.research-projects.uzh.ch/p9137.htm>

Professur/Forschungsbereich: Baumgartner, Ralf Werner
Projektleiter/in: Baumgartner, Ralf Werner
Projekttitle: Transcranial Ultrasound Enhanced Thrombolysis (TRUST)
Finanzquelle: SNF (Personen- und Projektförderung)
01.08.2006-31.07.2009
<http://www.research-projects.uzh.ch/p8125.htm>

Professur/Forschungsbereich: Baumgartner, Ralf Werner
Projektleiter/in: Baumgartner, Ralf Werner
Projekttitle: Role of Wall Stress in the Pathogenesis of Spontaneous Dissection of the Cervical Carotid Artery.
Finanzquelle: SNF (Personen- und Projektförderung)
01.05.2006-30.04.2009
<http://www.research-projects.uzh.ch/p9034.htm>

Professur/Forschungsbereich: Brugger, Peter
Projektleiter/in: Brugger, Peter
Projekttitle: Animation without incarnation: a neuropsychological account of body integrity identity disorder
Finanzquelle: Foundation; Roche Research Foundation
01.10.2008-30.09.2011
<http://www.research-projects.uzh.ch/p11065.htm>

Professur/Forschungsbereich: Goebels, Norbert
Projektleiter/in: Goebels, Norbert
Projekttitle: Molecular and functional analysis of tissue invasive B cells in inflammatory myopathies
Finanzquelle: Universität Zürich (position pursuing an academic career); Foundation
01.10.2003-31.12.2009
<http://www.research-projects.uzh.ch/p10349.htm>

Professur/Forschungsbereich: Goebels, Norbert
Projektleiter/in: Goebels, Norbert
Projekttitle: Molecular and functional characterisation of human recombinant monoclonal antibodies derived from expanded CSF plasma cell clones of multiple sclerosis patients
Finanzquelle: SNF (Personen- und Projektförderung)
01.07.2007-30.06.2010
<http://www.research-projects.uzh.ch/p10347.htm>

Professur/Forschungsbereich: Goebels, Norbert
Projektleiter/in: Goebels, Norbert
Projekttitle: Organotypic CNS slice cultures as an in-vitro model for immune mediated tissue damage and repair in multiple sclerosis
Finanzquelle: Other Public Sources (e.g. Federal or Cantonal Agencies); Foundation
01.10.2004-30.04.2009
<http://www.research-projects.uzh.ch/p10348.htm>

Professur/Forschungsbereich: Goebels, Norbert
Projektleiter/in: Goebels, Norbert
Projekttitle: Identification and functional analysis of autoreactive B cells in multiple sclerosis and myasthenia gravis
Finanzquelle: Universität Zürich (position pursuing an academic career)
01.07.2006-30.06.2009
<http://www.research-projects.uzh.ch/p10351.htm>

Professur/Forschungsbereich: Goebels, Norbert
Projektleiter/in: Goebels, Norbert
Projekttitle: Impaired immune tolerance in MS: Role of dendritic cells and regulatory T cells

Finanzquelle: SNF (Programm NFS/NCCR)
01.10.2003-31.12.2008
<http://www.research-projects.uzh.ch/p10350.htm>

Professur/Forschungsbereich: Goebels, Norbert
Projektleiter/in: Goebels, Norbert
Projekttitle: Role of TH17 cells in MS
Finanzquelle: Other Public Sources (e.g. Federal or Cantonal Agencies)
01.07.2006-31.12.2008
<http://www.research-projects.uzh.ch/p10352.htm>

Professur/Forschungsbereich: Goebels, Norbert
Projektleiter/in: Goebels, Norbert; Kollias, Spyros
Projekttitle: Correlation of spinal cord MRI with clinical and electrophysiological parameters in patients with multiple sclerosis
Finanzquelle: Foundation; Swiss Multiple Sclerosis Society
01.10.2007-30.09.2009
<http://www.research-projects.uzh.ch/p10411.htm>

Professur/Forschungsbereich: Hess, Bernhard
Projektleiter/in: Hess, B.J.M.
Projekttitle: Research and education related to brain research in non-human primates: a multidisciplinary European training platform
Finanzquelle: EU; European Communities EU-Brüssel
01.04.2005-30.09.2008
<http://www.research-projects.uzh.ch/p7516.htm>

Professur/Forschungsbereich: Hess, Bernhard
Projektleiter/in: Hess, Bernhard; Angelaki, Dora
Projekttitle: Mechanisms of spatial orientation in humans
Finanzquelle: Foundation; Betty and David Koetser Foundation for Brain Research
01.08.2003-31.12.2008
<http://www.research-projects.uzh.ch/p10531.htm>

Professur/Forschungsbereich: Hess, Bernhard
Projektleiter/in: Hess, Bernhard; Straumann, Dominik
Projekttitle: Integration of semicircular canal and otolith signals subserves dynamic head-in-space orientation
Finanzquelle: Forschungskredit der Universität Zürich; Foundation
01.10.2007-31.12.2009
<http://www.research-projects.uzh.ch/p10543.htm>

Professur/Forschungsbereich: Jung, Hans H.
Projektleiter/in: Jung, Hans H.
Projekttitle: Molecular genetic analysis of hereditary neurodegenerative and sleep-associated disorders
Finanzquelle: No project-specific funding
01.07.2005-31.07.2010
<http://www.research-projects.uzh.ch/p6710.htm>

Professur/Forschungsbereich: Jung, Hans H.
Projektleiter/in: Jung, Hans H.
Projekttitle: McLeod neuroacanthocytosis syndrome
Finanzquelle: Foundation
01.01.2003-31.12.2010
<http://www.research-projects.uzh.ch/p3111.htm>

Professur/Forschungsbereich: Jung, Hans H.
Projektleiter/in: Jung, Hans H.
Projekttitel: Amyotrophic lateral sclerosis (ALS) in Switzerland: clinical characteristics, molecular background and biological markers.
Finanzquelle: Forschungskredit der Universität Zürich; Others
01.01.2003-31.12.2008
<http://www.research-projects.uzh.ch/p3114.htm>

Professur/Forschungsbereich: Jung, Hans H.
Projektleiter/in: Jung, Hans H.
Projekttitel: Genetic factors influencing the phenotype of extrapyramidal tauopathies
Finanzquelle: Foundation; European Neurological Society, Betty and David Koetser Foundation for Brain Research, Parkinson Suisse
01.06.2007-31.12.2009
<http://www.research-projects.uzh.ch/p8177.htm>

Professur/Forschungsbereich: Jung, Hans H.
Projektleiter/in: Jung, Hans H.
Projekttitel: A C. elegans nematode model of the human McLeod syndrome
Finanzquelle: Foundation; Synapsis Foundation, Betty and David Koetser Foundation for Brain Research, Mutaxia Foundation
01.01.2004-31.12.2008
<http://www.research-projects.uzh.ch/p4195.htm>

Professur/Forschungsbereich: Linnebank, Michael
Projektleiter/in: Linnebank, Michael
Projekttitel: The impact of methionine metabolism for the incidence and the clinical course of alcohol-dependency
Finanzquelle: Foundation; European Research Advisory Board.
01.01.2008-31.12.2009
<http://www.research-projects.uzh.ch/p11351.htm>

Professur/Forschungsbereich: Linnebank, Michael
Projektleiter/in: Linnebank, Michael
Projekttitel: The role of homocysteine metabolism in Alzheimer's disease
Finanzquelle: No project-specific funding
01.03.2008-28.02.2011
<http://www.research-projects.uzh.ch/p11348.htm>

Professur/Forschungsbereich: Linnebank, Michael
Projektleiter/in: Linnebank, Michael
Projekttitel: On the interaction of antiepileptic drugs with folate and vitamin B12 metabolism
Finanzquelle: Other Public Sources (e.g. Federal or Cantonal Agencies); Foundation
01.01.2005-31.12.2009
<http://www.research-projects.uzh.ch/p11349.htm>

Professur/Forschungsbereich: Sandor, Peter
Projektleiter/in: Sandor, Peter
Projekttitel: Multicenter, Randomized, Double-Blind, Placebo- and Active-Controlled, Crossover Study to Evaluate the Safety and Efficacy of MK-0974 in the Treatment of Acute Migraine in Patients With Stable Vascular Disease
Finanzquelle: Others
01.07.2008-28.02.2009
<http://www.research-projects.uzh.ch/p12105.htm>

Professur/Forschungsbereich: Straumann, Dominik
Projektleiter/in: Marti, Sarah

Projekttitel: Adaptive mechanisms of cerebellar eye movements: An fMRI study of afternystagmus induced by asymmetric smooth pursuit stimulation in healthy subjects and cerebellar patients
Finanzquelle: SNF (Personen- und Projektförderung); Roche Foundation, Hartmann-Müller Foundation, Betty and David Koetser Foundation for Brain Research
01.04.2006-31.12.2009

<http://www.research-projects.uzh.ch/p10157.htm>

Professur/Forschungsbereich: Straumann, Dominik

Projektleiter/in: Marti, Sarah

Projekttitel: Otolith function and perception of verticality in cerebellar disorders
Finanzquelle: SNF (Personen- und Projektförderung); Bonizzi-Theler-Foundation
01.07.2006-31.07.2009

<http://www.research-projects.uzh.ch/p10150.htm>

Professur/Forschungsbereich: Straumann, Dominik

Projektleiter/in: Palla, Antonella

Projekttitel: Anisotropy of vestibular self-motion perception in human neurological disorders
Finanzquelle: SNF (Personen- und Projektförderung); Baasch Medicus Foundation
01.01.2007-30.09.2011

<http://www.research-projects.uzh.ch/p10144.htm>

Professur/Forschungsbereich: Straumann, Dominik

Projektleiter/in: Straumann, Dominik

Projekttitel: Human gaze control during walking over obstacles
Finanzquelle: Universität Zürich (position pursuing an academic career); SNF (Personen- und Projektförderung); KTI; University Research Priority Program "Integrative Human Physiology" at the University of Zurich
01.01.2007-31.12.2009

<http://www.research-projects.uzh.ch/p10281.htm>

Professur/Forschungsbereich: Straumann, Dominik

Projektleiter/in: Straumann, Dominik

Projekttitel: Three-dimensional kinematical analysis of ocular motor disorders in humans
Finanzquelle: SNF (Personen- und Projektförderung); Betty and David Koetser Foundation for Brain Research
01.10.2007-30.09.2010

<http://www.research-projects.uzh.ch/p10143.htm>

Professur/Forschungsbereich: Weller, Michael

Projektleiter/in: Roth, Patrick

Projekttitel: Novel proteasome and HDAC inhibitors for the treatment of malignant glioma
Finanzquelle: Private Sector (e.g. Industry); 4SC AG, München (D)
01.01.2008-31.12.2010

<http://www.research-projects.uzh.ch/p10652.htm>

Professur/Forschungsbereich: Weller, Michael

Projektleiter/in: Roth, Patrick

Projekttitel: Cloning and functional characterization of murine „regeneration and tolerance factor“: a candidate glioma autoantigen with immunosuppressive properties
Finanzquelle: Others; BMBF (Germany)
01.07.2008-30.06.2011

<http://www.research-projects.uzh.ch/p10790.htm>

Professur/Forschungsbereich: Weller, Michael

Projektleiter/in: Weller, Michael

Projekttitel: Characterization of Cilengitide effects on glioma cell viability, motility and radiochemosensitivity in vitro and in vivo

Finanzquelle: Private Sector (e.g. Industry); Merck Serono, Darmstadt (D)

01.01.2008-31.12.2010

<http://www.research-projects.uzh.ch/p10651.htm>

Professur/Forschungsbereich: Weller, Michael

Projektleiter/in: Weller, Michael

Projekttitle: Novel strategies to activate the p53-controlled death-signalling pathway in human malignant glioma cells

Finanzquelle: Foundation; Jacqueline Seroussi Memorial Foundation for Cancer Research

01.01.2008-31.12.2009

<http://www.research-projects.uzh.ch/p10650.htm>

Professur/Forschungsbereich: Weller, Michael

Projektleiter/in: Weller, Michael

Projekttitle: Immunotherapy for malignant glioma

Finanzquelle: SNF (Programm NFS/NCCR)

01.01.2008-31.05.2013

<http://www.research-projects.uzh.ch/p10789.htm>

Professur/Forschungsbereich: Wieser, Heinz-Gregor

Projektleiter/in: Wieser, H.G.

Projekttitle: Long term outcome regarding seizure control, neuropsychological and psychosocial factors after selective amygdalohippocampectomy in patients with mesial temporal lobe epilepsy

Finanzquelle: Foundation; Olga Mayenfisch Stiftung, Zürich

01.01.1975-31.03.2008

<http://www.research-projects.uzh.ch/p1340.htm>

Professur/Forschungsbereich: Wieser, Heinz-Gregor

Projektleiter/in: Wieser, Heinz Gregor

Projekttitle: Efficacy and tolerability of new antiepileptic drugs

Finanzquelle: Private Sector (e.g. Industry)

01.01.2006-30.11.2008

<http://www.research-projects.uzh.ch/p9267.htm>

Professur/Forschungsbereich: Wieser, Heinz-Gregor

Projektleiter/in: Wieser, Heinz Gregor

Projekttitle: Genetics of epilepsy

Finanzquelle: Private Sector (e.g. Industry)

01.03.2006-31.08.2008

<http://www.research-projects.uzh.ch/p9265.htm>

Professur/Forschungsbereich: Zumsteg, Dominik

Projektleiter/in: Anderson, Maria; Zimmermann, Michael

Projekttitle: The impact of iron status on neurophysiological functions in adult women

Finanzquelle: Others

01.09.2007-31.12.2008

<http://www.research-projects.uzh.ch/p10006.htm>

Professur/Forschungsbereich: Zumsteg, Dominik

Projektleiter/in: Krämer, Günther

Projekttitle: STEP-ONE trial: A multi-center trial on levetiracetam versus lamotrigine versus carbamazepine retard in elderly patients with focal epilepsy

Finanzquelle: Private Sector (e.g. Industry)

01.10.2007-31.12.2009

<http://www.research-projects.uzh.ch/p10010.htm>

Professur/Forschungsbereich: Zumsteg, Dominik
Projektleiter/in: Mikulis, David J; Wennberg, Richard
Projekttitle: fMRI mapping of cerebrovascular reactivity in Subclinical Rhythmic Electrographic Discharges of Adults (SREDA)

Finanzquelle: No project-specific funding

01.10.2007-31.12.2008

<http://www.research-projects.uzh.ch/p10009.htm>

Professur/Forschungsbereich: Zumsteg, Dominik
Projektleiter/in: Osorio, Ivan; Wennberg, Richard
Projekttitle: Thalamic recordings for the prediction of limbic seizures

Finanzquelle: SNF (Personen- und Projektförderung)

01.06.2004-31.12.2009

<http://www.research-projects.uzh.ch/p9999.htm>

Professur/Forschungsbereich: Zumsteg, Dominik
Projektleiter/in: Sarnthein, Johannes; Jagella, Caroline; Zumsteg, Dominik
Projekttitle: Influence of antiepileptic drug treatment on EEG activity

Finanzquelle: No project-specific funding

01.11.2007-31.12.2008

<http://www.research-projects.uzh.ch/p10011.htm>

Professur/Forschungsbereich: Zumsteg, Dominik

Projektleiter/in: Sornette, Didier; Osorio, Ivan

Projekttitle: The dynamics and predictability of epileptic seizures in humans and animals

Finanzquelle: Others

01.12.2007-31.12.2009

<http://www.research-projects.uzh.ch/p10012.htm>

Professur/Forschungsbereich: Zumsteg, Dominik

Projektleiter/in: Wennberg, Richard; Zumsteg, Dominik

Projekttitle: Neurophysiological mechanisms of deep brain stimulation in patients with mood disorders

Finanzquelle: SNF (Personen- und Projektförderung)

01.09.2003-31.12.2008

<http://www.research-projects.uzh.ch/p9997.htm>

Professur/Forschungsbereich: Zumsteg, Dominik

Projektleiter/in: Wieser, Heinz Gregor

Projekttitle: Retrospective open-label study of Levetiracetam in difficult-to-treat epilepsy patients

Finanzquelle: Private Sector (e.g. Industry)

01.06.2006-30.04.2008

<http://www.research-projects.uzh.ch/p10004.htm>

Professur/Forschungsbereich: Zumsteg, Dominik

Projektleiter/in: Zumsteg, Dominik

Projekttitle: Electrophysiologic measures for the differentiation of periodic lateralized epileptiform discharges and focal status epilepticus

Finanzquelle: No project-specific funding

01.06.2007-31.12.2008

<http://www.research-projects.uzh.ch/p10007.htm>

Professur/Forschungsbereich: Zumsteg, Dominik

Projektleiter/in: Zumsteg, Dominik

Projekttitle: Thalamocortical networks in the generation of short-latency visual evoked potentials

Finanzquelle: No project-specific funding

01.09.2006-31.12.2010

<http://www.research-projects.uzh.ch/p10002.htm>

Professur/Forschungsbereich: Zumsteg, Dominik
Projektleiter/in: Zumsteg, Dominik
Projekttitle: Cortical sources and EEG characteristics of rhythmic midtemporal discharges
Finanzquelle: No project-specific funding
01.10.2007-31.07.2008
<http://www.research-projects.uzh.ch/p10005.htm>

Professur/Forschungsbereich: Zumsteg, Dominik
Projektleiter/in: Zumsteg, Dominik; Ortega, Marcos
Projekttitle: Cortical sources of wicket spikes
Finanzquelle: No project-specific funding
01.11.2007-30.09.2008
<http://www.research-projects.uzh.ch/p10008.htm>

Professur/Forschungsbereich: Zumsteg, Dominik
Projektleiter/in: Zumsteg, Dominik; Wieser, Heinz Gregor
Projekttitle: EEG attenuation with mesencephalic ictal discharges
Finanzquelle: No project-specific funding
01.11.2006-30.06.2008
<http://www.research-projects.uzh.ch/p10003.htm>

3 Lehre

3.1 Innovative Lehrveranstaltungskonzepte

The staff of the Department of Neurology was very active in education and teaching in 2008. **M. Weller** restructured the core lectures on the nervous system (*Themenblock Nervensystem*) as an interdisciplinary course of departments and institutes of the University Hospital and the University of Zurich. **C. Bassetti, R. Baumgartner, H.H. Jung, M. Linnebank, A. Luft, U. Schwarz, D. Straumann, A. Studer, M. Weller** and **D. Zumsteg** participated in this lecture series. **C. Baumann, P. Brugger, N. Goebels, R. Khatami, A. Luft, A. Palla, P. Sandor** and **U. Schwarz** contributed lectures to the *Mantelstudium Neurologie* which was coordinated by C. Bassetti. **C. Bassetti, R. Baumgartner, B. Becher, D. Georgiadis, N. Goebels, H.H. Jung, M. Linnebank, U. Schwarz, D. Straumann, A. Studer** and **M. Weller** were involved in the course *Bio 404* for students of human biology. **C. Baumann, R. Baumgartner, N. Goebels, H.H. Jung, R. Khatami, M. Linnebank, A. Luft, P. Sandor, U. Schwarz, A. Studer, D. Straumann** and **D. Zumsteg** taught medical students within the neurological examination course. **H. Jung** organized and held the lecture *Neurology for Dentists* with the participation of **Christian Baumann** and **Peter Sandor**. **C. Baumann** organized the course *Neurology: Introduction into the clinical examination*, which has been taught by **C. Baumann, D. Georgiadis** and **M. Linnebank**. **C. Bassetti** gave the introduction to the clinical bedside teaching course for 6th year medical students and lectures of anatomy of physiology of sleep for 2nd year medical students. **P. Brugger** lectured neuropsychology with open access and organized the academy *Body, Space and Thought* for the Schweizer Studienstiftung. He held a correspondence course on neglect for *Universitäre Fernstudien Schweiz* and contributed to an open access discussion on parapsychology in the *Science Bar Zürich*. Cognitive neurology, both clinical and experimental, is represented in a weekly seminary during summer terms for a mixed audience of students from medicine, psychology and biology. **H.H. Jung** and **M. Linnebank** organized the symposium *Tage der Genforschung* with open access and read lectures on the genetics of neurological diseases. **R. Khatami** read sleeping disorders in the course *Marie Curie*. **P. Sandor** contributed lectures on pain to the *Mantelstudium Schmerz*. **D. Straumann** lectured neuro-otology and neuro-ophtalmology in the courses *Anatomie, Physiologie und Biochemie des Nervensystems* and the *Themenblock Sinnesorgane, Gesicht, Hals* and contributed to the education of physiotherapists. **N. Goebels** served as a tutor in the *problem oriented learning* program for medical students. **M. Linnebank** and **A. Studer** assisted **M. Weller** in the organization of the education and teaching activities of the Department of Neurology.

3.2 Qualitätssicherung in der Lehre

The main lectures *Themenblock Nervensystem* and *Mantelstudium Neurologie*, the examination course and several of the other activities of the Department of Neurology were formally evaluated. The results have been deposited at the deanship.

4 Weiterbildung/Fortbildung

C. Bassetti, R. Baumgartner, P. Brugger, D. Georgiadis, N. Goebels, H. Jung, M. Linnebank, P. Sandor, U. Schwartz, A. Studer, M. Weller and **D. Zumsteg** gave lectures for residents and general practitioners (see 2.2). **R. Baumgartner** participated in the organization of the *European Stroke Conference*. **P. Brugger** organized the *colloquium for clinical and experimental neuropsychology (KLINEX)*, the *Verhaltensneurologische Kasuistik für niedergelassene NeuropsychologInnen*, the *Constantin von Monakow-Zyklus*, the research colloquium *Neurotopics* and the continuation meeting *Body, Space and Thought* (Magliaso, June 29- July 6). **N. Goebels** organized the annual *Multiple Sclerosis Symposium* held at the University Hospital Zurich on March 13. **B. J. M. Hess** organized research meetings in the University Hospital Zurich entitled *Gleichgewichtssinn* (Friday, 1 hour). **S. Hofer** organized and gave a lecture at the oncological session of the DGHO congress in Vienna (November 10). **H. Jung** organized the *3rd Symposium on Dementia and Neurodegeneration* entitled *From the Model to Therapy* (May 29) in the University Hospital Zurich. He organized an international congress about neuroacanthocytosis syndromes. **P. Sandor** gave workshops at the *European Neurological Society (ENS)*, the *European Federation of Neurological Societies (EFNS)* and the *European Headache Federation (EHF)*. **D. Straumann** gave lectures and had workshops at the meetings of the EFNS and the ENS. He is chairman of the scientific panel neuro-ophthalmology / neuro-otology of the EFNS. **M. Weller** and **P. Vajkoczy** (Department of Neurosurgery, University of Berlin Charite) coordinated a Symposium entitled "Aktuelle Aspekte bei der Behandlung von primären Hirntumoren und Hirnmetastasen" in Potsdam, Germany (March 14-15), with more than 200 participants. **E. Werth** took part in interdisciplinary sleep colloquia (every Friday, 1 hour), sleep case symposia (once a year 3 hours, October 16) and laboratory and research meetings. Besides, she organized the Marie Curie - ESRS sleep trainee week (June 22-28). **D. Zumsteg** organized the farewell symposium for H.G. Wieser (April 3).

5 Nachwuchsförderung

5.1 Standortbestimmung

The Neurology Department is officially recognized by the Swiss Medical Federation (FMH) and the Swiss Neurological Society as an "A-clinic" for the education of residents towards board certification in neurology. The department is also an education center for specializations in electroencephalography, electroneuromyography and cerebrovascular diseases including ultrasonography certified by the Swiss Society for Clinical Neurophysiology. Residents are expected to join one of the department's laboratories and pursue their own projects in parallel or alternately with their clinical education. There are special arrangements in which two residents share a full clinical position and work 50% in the clinic and 50% in their respective laboratory. The latter employments are paid by funds of the laboratories. Residents with special research talents are identified and sent to renowned laboratories abroad which enables them to pursue a habilitation upon their return to the department.

All laboratories of the department supervise doctoral students of medicine. It is a special concern to offer doctoral theses to those medical students who wish to later specialize in a neuroscientific discipline. Laboratories that focus on basic research also educate PhD students and postdoctoral PhD fellows. These coworkers provide essential contributions for collaborative projects with the University and the ETH (Neuroscience Center Zurich, NCCR Neural Plasticity and Repair, Center for Integrative Human Physiology).

5.2 Durch Drittmittel geförderte Nachwuchskräfte am Institut

Bertolini, Giovanni, Reserach fellow, PhD Student

Three-dimensional kinematical analysis of ocular motor disorders in humans
SNF, 01.10.2008-Ongoing

Cam, Ertugrul, Research fellow

Cortical plasticity after focal brain ischemia in the rat
Diverse, 01.01.2008-30.06.2009

Cho, En Young, Scientific assistant

Prevalence, severity, clinical relevance, pathophysiology and course of the Restless Legs Syndrome (RLS) in pregnant women
Diverse, 15.10.2007-29.02.2008

Ciessina, Elvira, Clinical trial assistant

Clinical multiple sclerosis trials
Industry, 01.11.2007-31.10.2008

Druck, Birgit, Master student

Prognostic markers in multiple sclerosis
Industry, 01.11.2007-31.10.2008

Farkas, Melinda, PhD student

Homocysteine and Alzheimer's disease
SNF (NCCR Neuro), 01.05.2008-30.04.2010

Fischer, Katja, Research assistant

Various projects
SNF, 01.07.2006-Ongoing

Fritz-Fiaux, Annette, Resident neurologist

Clinical multiple sclerosis trials, MS outpatient clinic
Industry, 01.10.2006-Ongoing

Gao, Bo, Research assistant

Cortical plasticity after focal brain ischemia in the rat
Industry, 05.07.2005-30.06.2009

Giese, Maria, PhD student

Immunotherapy of malignant glioma
SNF (NCCR Neuro), 01.05.2008-31.12.2008

Greiner-Mai, Edith, PhD student

Influence of Natalizumab on immune effector functions
Industry, 01.06.2007-01.04.2008

Gulati, Monica, PhD student

Characterization of autoreactive B cells in myasthenia gravis and multiple sclerosis
ZNZ, 01.10.2005-Ongoing

Gübelin, Claudia, Research physician

Clinical multiple sclerosis trials
Industry, 01.06.2006-Ongoing

Harrer, Melanie, PhD student

Organotypic CNS slice cultures as an in-vitro model for immune mediated tissue damage and repair in multiple sclerosis
Foundation 3R, 01.10.2004-30.04.2009

Hübner, Astrid, Research assistant

Prevalence, severity, clinical relevance, pathophysiology and course of the Restless Legs Syndrome

(RLS) in pregnant women
 Industry, Diverse, 01.08.2008-31.07.2009

Kallweit, Ulf, Research physician
 Restless legs syndrome and excessive daytime sleepiness. Restless legs syndrome and psychiatric disorders. The prostaglandin and adenosine system in the regulation of sleep and wakefulness
 Diverse, 01.07.2007-Ongoing

Kilic, Ertugrul, Research Fellow
 Effects of Epo in the ischemic brain
 NCCR, 01.01.2004-30.04.2008

Laurens, Jean, Research fellow
 Gaze control during obstacle walking
 Center for Integrative Human Physiology of the University of Zurich, 01.02.2007-31.12.2009

Leemburg, Susan, PhD student
 Cortical plasticity after focal brain ischemia in the rat
 ZNZ/ Diverse, 01.01.2007-31.12.2009

Marti, Sarah, Research fellow, Assistent physician
 Three-dimensional kinematical analysis of ocular motor disorders in humans. Otolith function and perception of verticality in cerebellar disorders. Adaptive mechanisms of cerebellar eye movements: An fMRI study of after nystagmus induced by asymmetric smooth pursuit stimulation in healthy subjects and cerebellar patients
 SNF, Roche Foundation, Hartmann-Müller Foundation, Betty and David Koetser Foundation for Brain Research, Bonizzi-Theler-Foundation, 01.01.2006-Ongoing

Mauer, Michael, PhD student
 Analysis of the intrathecal immune response
 SNF, 01.07.2007-Ongoing

Mensen, Armand, PhD student
 Emotional motor control in human narcolepsy
 Diverse, 01.10.2008-30.09.2009

Michael, Nikolaus, Assistent physician
 Correlation of spinal cord MRI with clinical and electrophysiological parameters in MS
 Diverse, 01.10.2007-31.12.2008

Olasagasti, Itsaso, Research fellow
 3D kinematics of ocular motor disorders in humans
 SNF, 01.01.2006-Ongoing

Palla, Antonella, Research fellow, Senior physician
 Three-dimensional kinematical analysis of ocular motor disorders in humans
 SNF, Baasch Medicus Foundation, 01.01.2005-Ongoing

Ponz, Aurélie, Master student
 Processing of emotional inputs in human narcolepsy with cataplexy
 SNF, 01.11.2007-31.10.2008

Poryazova, Rositsa, Research fellow, Assistent physician
 Cognition and high definition sleep EEG after stroke
 SNF/ZIHP, 01.01.2009-31.12.2009

Sabova, Katarina, PhD student
 Genetic factors influencing the phenotype of extrapyramidal tauopathies
 ENS, Koetser Foundation, Swiss Parkinson Foundation, 01.01.2008-30.09.2008

Siclari, Francesca, Research fellow, Assistent physician
Parasomnia and Parkinson's disease
Diverse, 01.10.2008-31.12.2008

Sobottka, Bettina, PhD student
Role of CD8+ T cells in demyelination and axonal damage
Swiss Multiple Sclerosis Society, 01.11.2007-Ongoing

Stiehler, Christoph, PhD student
Molecular and functional analysis of tissue invasive B cells in myositis
ZNZ, Hartmann Müller Foundation, 01.10.2003-30.04.2008

Tacconi, Sonja, Research fellow, Assistent physician
Intensity coding of trigeminal pain in migraineurs – an fMRI study
GSK, ZZMK, 01.08.2007-31.12.2008

Tamagni, Corinne, PhD student
"Nosognosia": unrealistic optimism and the denial of illness
The Cogito Foundation, 01.04.2008-31.12.2008

Tartarotti, Sonja, Scientific assistant
Stroke Reha studie
NCCR, 01.04.2007-03.03.2008

Thomassen, Jakob, PhD student
SensoPrim
European Communities EU-Brüssel, 01.05.2006-30.06.2009

Ungricht, Andrea, Clinical trial nurse
Clinical multiple sclerosis trials
Industry, 01.01.2008-Ongoing

Vorlet, Madeleine, Clinical trial nurse
Clinical multiple sclerosis trials
Industry, 01.01.2008-Ongoing

Wan, Hui, Research fellow
Role of EBV in multiple sclerosis
Swiss Multiple Sclerosis Society, 01.02.2008-15.02.2009

Waskönig, Julia, Assistent physician
Dendritic cells and regulatory T cells in MS
NCCR, 01.10.2003-01.10.2009

Weck, Anja, Research fellow, Assistent physician
Correlation of spinal cord MRI with clinical and electrophysiological parameters in MS
Swiss Multiple Sclerosis Society, 01.10.2007-30.09.2008

Wienecke, Miriam, Master student
Sleep-wake behavior in Parkinson's disease
Henssler Foundation, 01.10.2008-30.03.2009

Zunzunegui, Cristina, Research assistant
Cortical plasticity after focal brain ischemia in the rat. Primary insomnia
Diverse, 01.07.2008-31.12.2009

5.3 Durch Drittmittel geförderte Nachwuchskräfte im Ausland

5.4 Durch Forschungskredit der Universität Zürich geförderte Nachwuchskräfte

Tukhtaeva, Yulia, Guest physician

Reevaluating human vestibular time constant using high velocity rotation and visual fixation

17.09.2008-15.06.2009

6 Gleichstellung der Geschlechter

Among the medical doctors in the department, the representation of the two genders is reasonably balanced among assistant neurologists (12:7 favoring men), but still very much in favor of men at the level of senior physicians. One new position of an independent group leader has been taken by Antonella Palla, supported by a SNF SCORE grant. In the research domain encompassing PhD students and postdoctoral fellows, there is approximately a 3:2 relationship in favor of women. In contrast, in the areas of nursing, logopedics, physiotherapy and ergotherapy, as well as laboratory assistance, there is a predominance of women which is even more pronounced in the administration sector.

7 Dienstleistungen

7 Dienstleistungen **C. Bassetti** is chair of the committee of clinical neurosciences (Fachbereich Neuro) and member of the Directorium of the Center for Clinical Research (Zentrum für Klinische Forschung). **M. Linnebank** took responsibility for the homepage and the information booklet about the Department of Neurology. **P. Sandor** is responsible for quality assurance at the Department.

C. Bassetti is member of the Ellermann Prize's committees and served as reviewer of a variety of scientific institutions including the Swiss National Foundation of Science (SNF) and Parkinson Schweiz. **R. Baumgartner** performed peer reviews for the SNF and various Foundations and Committees. **P. Brugger** performed peer reviews for the SNF and the Cogito Foundation. **H. Jung** performed peer reviews for the SNF and the von Tobel Foundation for Geriatric Research. **M. Linnebank** is member of the D.A.CH.-Liga Homocysteine and of the European Advisory Board Homocysteine. He is member of the organizing committee of the annual meeting of the Arbeitsgemeinschaft für Pädiatrische Stoffwechselstörungen (APS) in Fulda, 2010. **P. Sandor** serves on the board of the International Headache Society and is President of the Swiss Headache Society. **D. Straumann** chairs the scientific panel for neuro-ophthalmology and neuro-otology of the European Federation of Neurological Societies. **M. Weller** serves on the board of the German Cancer Council, Section on Junior Research Programs, the Scientific Committee of the Hermelin Brain Tumor Center Detroit, and as a reviewer for German Research Foundation (DFG), German Ministry for Education and Research (BMBF), INSERM, Singapore Ministry of Health and Croucher Foundation, Hong Kong.

C. Bassetti gave lectures for patients' organizations (Parkinson, Narcolepsy) and interviews at the Swiss Italian radio. He organized the first Swiss Narcolepsy Day with conferences for the public, patients and medical doctors. During the national "Days of Genetic Research", **H. Jung** and **M. Linnebank** organized a public lecture about the topic "Genes and Brain". **M. Linnebank** reported about the practical use of genetic research in stroke and other cerebrovascular disorders. **H. Jung** illustrated which genetic tests are available for neurological disorders and under which precautions these tests can be applied. **D. Straumann** is a member of the Task Force that organizes the yearly Brain Fair Zurich (University of Zurich, ETHZ). **E. Werth** organized the one day presentation of the clinical sleep laboratory at the 175 year celebration of the university (Parcours des Wissens, Pavillon auf dem Sechseläutenplatz).

C. Bassetti is the Chef-editor of the *Swiss Archives of Neurology and Psychiatry*, is Associate editor of *Journal of Sleep Research* and *Sleep Medicine* and serves on the editorial board of *Somnologie*. He performed peer-reviews for different journals including *Annals of Neurology*, *Brain*, *Lancet*, *Lancet Neurology*, *Neurology* and *Stroke*. He also serves as director of the scientific program for the European

Neurological Society, as European Delegate for the World Association of Sleep Medicine, and as international liaison for the Sleep medicine section of the American Academy of Neurology. **R. Baumgartner** is member of the Editorial Boards of *Cerebrovascular Diseases*, *European Journal of Ultrasound*. He performed peer-reviews for different journals including *Acta Neurologica Scandinavica*, *Arteriosclerosis, Thrombosis, and Vascular Biology*, *Atherosclerosis*, *Brain*, *Brain Research*, *Brain Research protocols*, *Cephalalgia*, *Cerebrovascular disease*, *Circulation*, *European Journal of Neurology*, *European Neurology*, *European Journal of Pediatrics*, *European Journal of Ultrasound*, *High Altitude Medicine and Biology*, *Journal of Neuroimaging*, *Journal of Neurology*, *Journal of Neurology, Neurosurgery and Psychiatry*, *Lancet*, *Neurocritical Care*, *Neurology*, *Neuroradiology*, *Schweizer Archiv für Neurologie und Psychiatrie and Stroke*. **P. Brugger** performed peer-reviews for *Brain*, *Brain and Cognition*, *Brain Research Reviews*, *Cognitive and Behavioral Neurology*, *Consciousness and Cognition*, *Contemporary Psychiatry*, *Current Biology*, *European Neurology*, *Experimental Brain Research*, *Journal of the International Neuropsychological Society*, *Journal of Neuropsychology*, *Neuropsychologia*, *Neuroscience Letters*, *Perceptual and Motor Skills*, *Psychological Bulletin*, *Psychological Review and Science*. **D. Georgiadis** performed peer-reviews for *Acta Neurologica Scandinavica*, *Cerebrovascular diseases*, *European Journal of Neurology*, *Journal of Neurology*, *Lancet*, *Stroke*, *Intensive Care Medicine*, *European Journal Cardio-Thoracic Surgery and Neurocritical Care*. **B. Hess** is member of the Editorial Board of *Journal of Vestibular Research* and performed peer reviews for *Journal of Neurophysiology*. **H. Jung** performed peer reviews for several journals including *European Neurology*, *Gene*, *Journal of Neurology*, *Neurosurgery and Psychiatry*, *European Journal of Neurology*, *Muscle and Nerve*, *Neurodegenerative Diseases*, *Neurology and the Swiss Archive of Neurology and Psychiatry*. **M. Linnebank** was a referee for various journals including *Brain*, *Brain Research*, *Cancer*, *Epidemiology, Biomarkers and Prevention*, *Cell Biology and Toxicology*, *Clinical Chemistry and Laboratory Medicine*, *European Journal of Neurology*, *European Neuropsychopharmacology*, *Experimental Neurology*, *Human Mutation*, *The International Journal of Neuropsychopharmacology*, *International Journal of Developmental Neuroscience*, *Journal of Medical Genetics*, *Journal of Pediatric Neurology*, *Neurobiology of Disease*, *Neuroscience Letters*, *Neurotoxicology*, *Progress in Neuro Psychopharmacology*, *Biological Psychiatry*, *Thrombosis and Haemostasis* and for the organizations *Neurological Foundation of New Zealand* and *Health Research Board Ireland*. **A. Luft** is Co-editor for the *Open Neuroimaging Journal* and performed peer reviews for *JAMA*, *PNAS USA*, *Journal of Neuroscience*, *Journal of Neurophysiology*, *Brain*, *Stroke*, *American Journal of Psychiatry*, *Neuroimage*, *Cerebral Cortex*, *Human Brain Mapping*, *Behavioral Brain Research*, *Experimental Brain Research*, *Experimental Neurology*, *European Journal of Neuroscience and Neuroscience Letters*. **P. Sandor** is member of the Editorial Boards of *Journal of Headache and Pain* and *Headache Currents*. He was an ad hoc referee for several international journals including *Cephalalgia*, *Neurology*, *Headache*, *Journal of Headache and Pain* and the *Journal of Orofacial Pain*. **D. Straumann** was a referee for various journals including *Neurology*, *Brain* and the *Journal of Neurology, Neurosurgery and Psychiatry*. **M. Weller** is the European editor of *Neuro-Oncology* and serves on the Editorial Boards of *Cellular Physiology and Biochemistry*, *Glia*, *Journal of Neurochemistry*, *Journal of Neurooncology*, *Nervenarzt* and *Psychopharmakotherapie*. He was an ad hoc referee for various international journals including *Annals of Neurology*, *Brain*, *Cancer Research*, *Neurology* and *Journal of Clinical Oncology*. **D. Zumsteg** serves on the Editorial Board of *Clinical Neurophysiology and Neurologie and Psychiatrie*. He was an ad hoc referee for several international journals including *Brain* and *Epilepsia*.

8 Aussenbeziehungen

8.1 Erasmus

8.2 Regelmässige Zusammenarbeit

Deutsches Krebsforschungszentrum, Heidelberg, Deutschland, Europa

The Laboratory of Molecular Neuro-Oncology at the University Department of Neurology in Zurich participates in various projects of the network. In particular, we study the role of the protein RTF in the immunobiology of malignant gliomas

Harvard Medical School, Boston, MA, USA, Nordamerika

Sleep-wake disturbances following traumatic brain injury

Ludwig-Maximilians-Universität München, München, Deutschland, Europa

Non-twitch muscle fibre system and proprioception in the extraocular eye muscles of rhesus monkeys

Osaka Bioscience Institute, Osaka, Japan, Asien

The role of prostaglandins and adenosine in sleep regulation

Universität Duisburg-Essen, Duisburg und Essen, Deutschland, Europa

Chemoresistance of malignant glioma cells

Universität Hamburg, Hamburg, Deutschland, Europa

Characterization of glioma stem cells

Washington University in St. Louis, St. Louis, MO, USA, Nordamerika

Vestibular contribution to gaze control and spatial orientation

8.3 Fachkooperationen

Partneruniversität	SM IN	SM OUT	DM	Forschung
ETH Zürich, Zürich, Schweiz, Europa			Ja	Ja

SM=Studierendenmobilität, DM=Dozierendenmobilität

8.4 Memorandum of Understanding

8.5 Netzwerke

Koordinator	Partneruniversitäten	SM IN	SM OUT	DM	Forschung
Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Deutschland, Europa	Medizinische Hochschule, Hannover, Deutschland, Europa, Rheinische Friedrich-Wilhelms-Universität, Bonn, Deutschland, Europa, Rheinische Kliniken, Bonn, Deutschland, Europa				Ja
GlaxoSmithKline, London Brentford, Grossbritannien, Europa	Kuopion Yliopisto, Kuopio, Finnland, Europa, Schweizerisches Epilepsie-Zentrum, Zürich, Schweiz, Europa, University of Oslo, Oslo, Norwegen, Europa				Ja
Katholieke Universiteit Leuven, Leuven, Belgien, Europa	Fachkrankenhaus Hubertusburg, Wermisdorf, Sachsen, Deutschland, Europa, Hôpital Saint-Vincent-de-Paul, Paris, Frankreich, Europa, Max-Planck-Institut für Experimentelle Medizin, Göttingen, Deutschland, Europa				Ja

Koordinator	Partneruniversitäten	SM IN	SM OUT	DM	Forschung
Ludwig-Maximilians-Universität München, München, Deutschland, Europa	Mount Sinai School of Medicine, New York, NY, USA, Nordamerika, New York Blood Center (Lindsley F. Kimball Research Institute), New York, USA, Nordamerika, Sanguin Blood Bank Southeast Region, Nijmegen GA, Niederlande, Europa, Technische Universität Dresden, Dresden, Deutschland, Europa, University of Oxford, Oxford, Grossbritannien, Europa, Università degli studi di Verona, Verona, Italien, Europa, Université Victor Segalen Bordeaux 2, Bordeaux Cedex, Frankreich, Europa				Ja
Mount Sinai School of Medicine, New York, NY, USA, Nordamerika	Imperial College of Science, Technology and Medicine / Univ. of London, London, Grossbritannien, Europa, Johns Hopkins University, Baltimore, MD, USA, Nordamerika, Ludwig-Maximilians-Universität München, München, Deutschland, Europa, Università degli Studi di Pavia, Pavia, Italien, Europa, Universität zu Lübeck, Lübeck, Deutschland, Europa				Ja
University of Maryland, Baltimore, USA, Nordamerika	Baltimore Veteran Affairs Medical Center, Baltimore, USA, Nordamerika	Ja	Ja		Ja
Università di Bologna, Bologna (BO), Italien, Europa	Hephata Diakonie, Schwalmstadt-Treysa, Deutschland, Europa, Ludwig-Maximilians-Universität München, München, Deutschland, Europa, Universiteit Leiden, Leiden RA, Niederlande, Europa, Université Montpellier II, Montpellier, Frankreich, Europa				Ja
Universität Basel, Basel, Schweiz, Europa	Kantonsspital St. Gallen, St. Gallen, Schweiz, Europa, Universität Bern, Bern, Schweiz, Europa, Universität Genf, Genève, Schweiz, Europa				Ja

Koordinator	Partneruniversitäten	SM IN	SM OUT	DM	Forschung
Universität Bern, Bern, Schweiz, Europa	Charité - Universitätsmedizin Berlin, Berlin, Deutschland, Europa, Heinrich-Heine-Universität Düsseldorf, Düsseldorf, Deutschland, Europa, Institut psychiatrii i neurologii, Warszawa, Polen, Europa, Kantonsspital Aarau, Aarau, Schweiz, Europa, Technische Universität Dresden, Dresden, Deutschland, Europa, University of Edinburgh, Edinburgh, Grossbritannien, Europa, Universität Basel, Basel, Schweiz, Europa, Universität Genf, Genève, Schweiz, Europa, Universität Graz, Graz, Österreich, Europa, Universitätsklinikum Freiburg, Freiburg, Deutschland, Europa, Universitätsklinikum Heidelberg, Heidelberg, Deutschland, Europa				Ja
Universität Bern, Bern, Schweiz, Europa	Kantonsspital Aarau, Aarau, Schweiz, Europa, Kantonsspital St. Gallen, St. Gallen, Schweiz, Europa, Universität Basel, Basel, Schweiz, Europa, Universität Genf, Genève, Schweiz, Europa, Université de Lausanne, Lausanne, Schweiz, Europa				Ja
Universität Bern, Bern, Schweiz, Europa	Kantonsspital Aarau, Aarau, Schweiz, Europa, Universität Basel, Basel, Schweiz, Europa, Universität Genf, Genève, Schweiz, Europa				Ja
Universität Genf, Genève, Schweiz, Europa	Universität Basel, Basel, Schweiz, Europa, Universität Bern, Bern, Schweiz, Europa				Ja

SM=Studierendenmobilität, DM=Dozierendenmobilität

8.6 Forschungsaufenthalte von Institutsangehörigen an anderen Forschungsinstitutionen

Weber, Konrad, Research fellow

Hearing and Balance Clinic, Neurology Department, Royal Prince Alfred Hospital, Sydney, Australia
 Research fellowship in clinical neurophysiology, 01.03.2006-01.10.2008

8.7 Forschungsaufenthalte von Angehörigen anderer Forschungsinstitute am Institut

8.8 Gastvorträge von Angehörigen anderer Forschungsinstitutionen am Institut

Aloisi, Francesca, Invited Speaker

Istituto Superiore di Sanità, I-00161 Rome, Italy

Dysregulated Epstein-Barr infection in the multiple sclerosis brain

Hafler, David, Invited Speaker

Harvard Medical School Boston, MA, 02115, USA

From Genotype to Phenotype in MS

Kesselring, Jürg, Invited Speaker

Rehabilitationszentrum, CH-7317 Valens

Acting for DREAMS

Liblau, Robert, Invited Speaker
Centre de Physiopathologie de Toulouse Purpan, F-31300 Toulouse, France
CD8 T cells and demyelination: is there a causal link?

Lubetzki, Catherine, Invited Speaker
Hôpital de la Salpêtrière, F-75013 Paris, France
Myelin repair in the central nervous system: success and failure

Scammell, Thomas, Associate Professor
Harvard Institutes of Medicine, Boston, MA, USA
Current mysteries in narcolepsy

8.9 Doppeldoktorate

9 Wissens- und Technologietransfer

9.1 Patentanmeldungen

9.2 Neue Lizenzverträge oder Abtretungsvereinbarungen

9.3 Firmengründungen

10 Akademische Selbstverwaltung

D. Straumann is member of the PhD committee of the Center for Integrative Human Physiology and of the search committees for psychiatry and human physiology. **M. Weller** participated in the Search Committees for the Chairman in Psychiatry and Assistant Professors in Clinical Neurorehabilitation and Systems Biology of Neurodegeneration. He was elected President of the Search Committee for the Chairman in Neuropediatrics and a member of the Search Committee for the Chairman in Radiooncology. He is also member of the steering board of the Neuroscience Center Zurich (ZNZ).

11 Publikationen

11.1 Monografien

Wieser, H G; Zumsteg, D (2008): Subthalamic and Thalamic Stereotactic Recordings and Stimulations in Patients with Intractable Epilepsy. Paris, John Libbey Eurotext

11.2 Herausgeberschaft wissenschaftlicher Werke

11.3 Dissertationen

11.4 Habilitationen

11.5 Lehrbücher, Schulbücher

11.6 Originalarbeiten (referiert)

Acioly, M A; Carvalho, C H; Pinheiro-Franco, J L; Schittenhelm, J; Ernemann, U; Weller, M; Honegger, J (2008): Unusual presentation of central nervous system metastases: mechanisms of spread and radiological findings. In: *Arquivos de Neuropsiquiatria* 66(3B), 755-757

<http://dx.doi.org/10.1590/S0004-282X2008000500031>

Ambrosini, A; Sándor, P S; De Pasqua, V; Pierelli, F; Schoenen, J (2008): Performances in cerebellar and neuromuscular transmission tests are correlated in migraine with aura. In: *Journal of Headache and Pain* 9(1), 29-32

<http://dx.doi.org/10.1007/s10194-008-0004-3>

Andrée, C; Vaillant, M; Rott, C; Katsarava, Z; Sándor, P S (2008): Development of a self-reporting questionnaire, BURMIG, to evaluate the burden of migraine. In: *Journal of Headache and Pain* 9(5), 309-315

<http://dx.doi.org/10.1007/s10194-008-0059-1>

Arnold, M; Baumgartner, R W; Stapf, C; Nedeltchev, K; Buffon, F; Benninger, D; Georgiadis, D; Sturzenegger, M; Mattle, H P; Boussier, M G (2008): Ultrasound diagnosis of spontaneous carotid dissection with isolated Horner syndrome. In: *Stroke: a Journal of Cerebral Circulation* 39(1), 82-86

<http://dx.doi.org/10.1161/STROKEAHA.107.492652>

Baumgartner, R W; Georgiadis, D; Nedeltchev, K; Schroth, G; Sarikaya, H; Arnold, M (2008): Stent-assisted endovascular thrombolysis versus intravenous thrombolysis in internal carotid artery dissection with tandem internal carotid and middle cerebral artery occlusion. In: *Stroke: a Journal of Cerebral Circulation* 39(2), e27-e28

<http://dx.doi.org/10.1161/STROKEAHA.107.500959>

Bertolini, G; Bockisch, C J; Straumann, D; Zee, D S; Ramat, S (2008): Do humans show velocity-storage in the vertical rVOR?. In: *Progress in Brain Research* 171, 207-210

[http://dx.doi.org/10.1016/S0079-6123\(08\)00628-6](http://dx.doi.org/10.1016/S0079-6123(08)00628-6)

Bockisch, C J; Hegemann, S (2008): Alexander's law and the oculomotor neural integrator: three-dimensional eye velocity in patients with an acute vestibular asymmetry. In: *Journal of Neurophysiology* 100(6), 3105-3116

<http://dx.doi.org/10.1152/jn.90381.2008>

Broetz, D; Hahn, U; Maschke, E; Wick, W; Kueker, W; Weller, M (2008): Lumbar disk prolapse: response to mechanical physiotherapy in the absence of changes in magnetic resonance imaging. Report of 11 cases. In: *NeuroRehabilitation* 23(3), 289-294

Brunecker, P; Endres, M; Nolte, C H; Schultze, J; Wegener, S; Jungehülsing, G J; Müller, B; Kerskens, C M; Fiebach, J B; Villringer, A; Steinbrink, J (2008): Evaluation of an AIF correction algorithm for dynamic susceptibility contrast-enhanced perfusion MRI. In: *Magnetic Resonance in Medicine* 60(1), 102-110

<http://dx.doi.org/10.1002/mrm.21612>

Burgunder, J M; Tan, E K; Wirh Müller, U; Jung, H H (2008): LRRK2 mutations are not frequent in Swiss patients with Parkinson's disease. In: *Schweiz Archiv Neurol Psychiatrie* 159(7), 412-418

Fischer, L; Martus, P; Weller, M; Klasen, H A; Rohden, B; Röth, A; Storek, B; Hummel, M; Nägele, T; Thiel, E; Korfel, A (2008): Meningeal dissemination in primary CNS lymphoma: prospective evaluation of 282 patients. In: *Neurology* 71(14), 1102-1108

<http://dx.doi.org/10.1212/01.wnl.0000326958.52546.f5>

Frohman, T C; Galetta, S; Fox, R; Solomon, D; Straumann, D; Filippi, M; Zee, D; Frohman, E M (2008): Pearls & Oy-sters: The medial longitudinal fasciculus in ocular motor physiology. In: *Neurology* 70(17),

e57-e67

<http://dx.doi.org/10.1212/01.wnl.0000310640.37810.b3>

Funk, M; Brugger, P (2008): Mental rotation of congenitally absent hands. In: *Journal of the International Neuropsychological Society* 14(1), 81-89

<http://dx.doi.org/10.1017/S1355617708080041>

Funk, M; Lutz, K; Hotz-Boendermaker, S; Roos, M; Summers, P; Brugger, P; Hepp-Reymond, M C; Kollias, S S (2008): Sensorimotor tongue representation in individuals with unilateral upper limb amelia. In: *NeuroImage* 43(1), 121-127

<http://dx.doi.org/doi:10.1016/j.neuroimage.2008.06.011>

Gao, B; Kilic, E; Baumann, C R; Hermann, D M; Bassetti, C L (2008): Gamma-hydroxybutyrate accelerates functional recovery after focal cerebral ischemia. In: *Cerebrovascular Diseases Basel* 26(4), 413-419

<http://dx.doi.org/10.1159/000151683>

Glas, M; Rasch, K; Wiewrodt, D; Weller, M; Herrlinger, U (2008): Procarbazine and CCNU as initial treatment in gliomatosis cerebri. In: *Oncology* 75(3-4), 182-185

<http://dx.doi.org/10.1159/000163057>

Gorlia, T; van den Bent, M J; Hegi, M E; Mirimanoff, R O; Weller, M; Cairncross, J G; Eisenhauer, E; Belanger, K; Brandes, A A; Allgeier, A; Lacombe, D; Stupp, R (2008): Nomograms for predicting survival of patients with newly diagnosed glioblastoma: Prognostic factor analysis of EORTC and NCIC trial 26981-22981/CE.3. In: *Lancet Oncology* 9(1), 29-38

[http://dx.doi.org/10.1016/S1470-2045\(07\)70384-4](http://dx.doi.org/10.1016/S1470-2045(07)70384-4)

Hamani, C; McAndrews, M P; Cohn, M; Ohta, M; Zumsteg, D; Shapiro, C M; Wennberg, R A; Lozano, A M (2008): Memory enhancement induced by hypothalamic/fornix deep brain stimulation. In: *Annals of Neurology* 63(1), 119-123

<http://dx.doi.org/10.1002/ana.21295>

Happold, C; Ernemann, U; Roth, P; Wick, W; Weller, M; Schmidt, F (2008): Anticoagulation for radiation-induced neurotoxicity revisited. In: *Journal of Neuro-Oncology* 90(3), 357-362

<http://dx.doi.org/10.1007/s11060-008-9674-6>

Hermann, D M; Siccoli, M; Brugger, P; Wachter, K; Mathis, J; Achermann, P; Bassetti, C L (2008): Evolution of neurological, neuropsychological and sleep-wake disturbances after paramedian thalamic stroke. In: *Stroke* 39(1), 62-68

<http://dx.doi.org/10.1161/STROKEAHA.107.494955>

Hillemacher, T; Frieling, H; Moskau, S; Muschler, M A N; Semmler, A; Kornhuber, J; Klockgether, T; Bleich, S; Linnebank, M (2008): Global DNA methylation is influenced by smoking behaviour. In: *European Neuropsychopharmacology* 18(4), 295-298

<http://dx.doi.org/10.1016/j.euroneuro.2007.12.005>

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11.9 Weitere Beiträge (nicht referiert)

Bischoff, M; Baumgartner, R W (2008): Varicella zoster and other virus - related cerebral vasculopathy. In: Caplan, L R; Bogousslavsky, J (ed.), Uncommon causes of stroke. Cambridge, UK, Cambridge University Press, 17-25

Eisele, G; Roth, P; Wick, W; Weller, M (2008): MGMT in der klinischen Praxis. In: Onkologie Heute 6(4), 32-39

Geser, F; Tolnay, M; Jung, H H (2008): The neuropathology of McLeod syndrome. In: Walker, R; Sano, A; Danek, A (ed.), Neuroacanthocytosis Syndromes II. Berlin Heidelberg, Springer, 197-203

Jung, H H (2008): Update on McLeod syndrome. In: Walker, R; Sano, A; Danek, A (ed.), Neuroacanthocytosis Syndromes II. Berlin Heidelberg, Springer, 53-58

Leenders, N; Jung, H H (2008): Functional imaging in neuroacanthocytosis. In: Walker, R H; Saiki, S; Danek, A (ed.), Neuroacanthocytosis Syndromes II. Berlin, Heidelberg, Springer, 163-173

Weller, M (2008): Hirntumoren. In: Bäumer, R; Maiwald, A (ed.), Onkologische Pflege. Stuttgart, Thieme, 301-305

11.10 Beiträge in Tages- und Wochenzeitungen

12 Besondere Aufgaben und Probleme

13 Drittmittel**13.1 SNF-Projektförderung (CHF)**

Kreditnr.	Bezeichnung	Inhaber/in	Projektleiter/in	Finanzquelle	Beginn	Ende	Personalaufwand im Berichtsjahr	Sachaufwand im Berichtsjahr
44250104	Re torative effects of adult neural precursor (stem) cells in the ischemic brain	Dr. Dirk M. Hermann	Dr. Dirk M. Hermann	Schweizerischer Nationalfonds	01.07.2006	30.06.2009	0.00	0.00
44250105	Role of wall stress in the pathogenesis of spontaneous dissection of the cervical carotid artery	Prof. Dr. Ralf Baumgartner	Prof. Dr. Ralf Baumgartner	Schweizerischer Nationalfonds	01.02.2007	31.01.2010	50'431.50	190.00
44250107	Three-dimensional kinematical analysis of ocular motor disorders in humans	Prof. Dr. Dominik Straumann	Prof. Dr. Dominik Straumann	Schweizerischer Nationalfonds	01.10.2007	30.09.2010	132'782.02	6'577.46
44250108	Anisotropy of vestibular self-motion perception in human neurological disorders	Dr. Antonella Palla	Dr. Antonella Palla	Schweizerischer Nationalfonds	01.09.2008	31.08.2011	49'038.36	0.00
44250201	Transcranial ultrasound enhanced thrombolysis	Prof. Dr. Ralf Werner Baumgartner	Prof. Dr. Ralf Werner Baumgartner	Schweizerischer Nationalfonds	01.09.2005	31.12.2009	53'038.48	100.00
44250304	Pathophysiologie of narcolepsy - a multimodal approach	Prof. Dr. Claudio Bassetti	Prof. Dr. Claudio Bassetti	Schweizerischer Nationalfonds	01.11.2007	31.03.2009	106'161.68	3'631.33
44251001	Molecular and functional characterisation of human recombinant monoclonal antibodies derived from expanded CSF plasma cell clones of multiple sclerosis	Prof. Dr. Norbert Goebels	Prof. Dr. Norbert Goebels	Schweizerischer Nationalfonds	01.06.2007	31.05.2010	54'816.65	0.00
Total							446'268.69	10'498.79

13.2 EU-Rahmenprogramm (CHF)

Kreditnr.	Bezeichnung	Inhaber/in	Projektleiter/in	Finanzquelle	Beginn	Ende	Personalaufwand im Berichtsjahr	Sachaufwand im Berichtsjahr
34250128	Research and education related to brain research in non-human primates: a multidisciplinary European training platform	Prof. Dr. Bernhard Hess	Prof. Dr. Bernhard Hess	Unterkonto von 74250101	01.10.2005	31.12.2008	0.00	0.00

Kreditnr.	Bezeichnung	Inhaber/in	Projektleiter/in	Finanzquelle	Beginn	Ende	Personalaufwand im Berichtsjahr	Sachaufwand im Berichtsjahr
34251102	Mechanisms of cerebral preconditioning	Prof. Dr. Michael Weller	Dr. Susanne Wegener	Unterkonto von 74251101	01.06.2007	31.05.2008	0.00	9'655.96
74250101	Research and education related to brain research in non-human primates: a multidisciplinary European training platform	Prof. Dr. Bernhard Hess	Prof. Dr. Bernhard Hess	Commission of the European Communities	01.10.2005	30.09.2008	52'716.06	0.00
74251101	Mechanisms of cerebral preconditioning	Prof. Dr. Michael Weller	Dr. Susanne Wegener	Commission of the European Communities	01.06.2007	31.05.2008	80'590.31	4'086.64
Total							133'306.37	13'742.60

13.3 NCCR (CHF)

Kreditnr.	Bezeichnung	Inhaber/in	Projektleiter/in	Finanzquelle	Beginn	Ende	Personalaufwand im Berichtsjahr	Sachaufwand im Berichtsjahr
502114	NEURO 4 Weller	Prof. Dr. Martin E. Schwab	Prof. Dr. Michael Weller	UZH		31.05.2013	180'610.69	331'631.40
502246	NEURO P6 Goebels SNF	Prof. Dr. Martin E. Schwab	Prof. Dr. Norbert Goebels	SNF	01.06.2005	31.05.2009	0.00	21'132.53
502413	NEURO3 Luft Mijnsen	Prof. Dr. Martin E. Schwab	Prof. Dr. Andreas Luft	SNF	01.06.2005	31.05.2009	111'095.86	2'056.05
502425	NEURO5 Goebels SERONO	Prof. Dr. Martin E. Schwab	Prof. Dr. Norbert Goebels	SNF	01.06.2001	31.05.2009	272'894.40	140'340.02
Total							564'600.95	495'160.00

13.4 Forschungskredit UZH, kompetitiver Teil (CHF)

13.5 Übrige Drittmittel mit Peer-Review (CHF)

Kreditnr.	Bezeichnung	Inhaber/in	Projektleiter/in	Finanzquelle	Beginn	Ende	Personalaufwand im Berichtsjahr	Sachaufwand im Berichtsjahr
34250111	Einfluss von Rosuvastatin beim der experimentellen fokalen zerebralen Ischämie	PD Dr. Dirk M. Hermann	PD Dr. Dirk M. Hermann	Astra Zeneca	01.10.2003	31.12.2008	0.00	890.65
34250122	Neuroimmunologische Erforschung der multiplen Sklerose	Prof. Dr. Burkhard Becher	Prof. Dr. Burkhard Becher	NCCR (Prof. M. Schwab): 502200 NEURO Reserve SNF	01.01.2006	31.12.2008	32.11	0.00
34250123	Effects of human Epo on brain plasticity and functional recovery following stroke	PD Dr. Dirk Hermann	PD Dr. Dirk Hermann	Roche Foundation for Anaemia Research, Meggen	01.06.2006	31.12.2008	5'437.10	16'232.55
34250124	Effects of tissue-plasminogen activator (t-PA) on brain recovery assessed by functional MRI	PD Dr. Dirk M. Hermann	PD Dr. Dirk M. Hermann	Schweizerische Herzstiftung	01.01.2007	31.12.2008	37'806.18	19'752.34
34250127	Adaptive mechanisms of cerebellar eye movements: fMRI study of afternystagmus induced by asymmetric smooth pursuit stimulation in healthy subjects and in cerebellar patients	Prof. Dr. Dominik Straumann	Prof. Dr. Dominik Straumann	Roche Research Foundation, 4070 Basel	01.05.2007	31.12.2010	8'936.31	0.00
34250129	Otolith function and perception of verticality in cerebellar disorders	Dr. Sarah Marti	Dr. Sarah Marti	Bonizzi-Theler-Stiftung, 8002 Zürich	01.07.2007	30.06.2009	25'732.29	555.95
34250130	Adaptive mechanisms of cerebellar eye movements: An fMRI study of afternystagmus induced by asymmetric smooth pursuit stimulation in healthy subjects and cerebellar patients	Prof. Dr. Dominik Straumann	Prof. Dr. Dominik Straumann	Hartmann Müller-Stiftung für med. Forschung	01.08.2007	31.12.2009	0.00	-10'760.00
34250131	Adaptive mechanisms of cerebellar eye movements: An fMRI study of afternystagmus	Prof. Dr. Dominik Straumann	Prof. Dr. Dominik Straumann	Betty \& David Koetser Foundation for Brain Research	01.02.2008	31.12.2012	14'159.75	11'865.20

Kreditnr.	Bezeichnung	Inhaber/in	Projektleiter/in	Finanzquelle	Beginn	Ende	Personalaufwand im Berichtsjahr	Sachaufwand im Berichtsjahr
34250213	Prevention of cerebrovascular and cardiovascular events of ischemic origin with terutroban in patients with a history of ischemic stroke or transient ischemic attack. The perform Study. An international, randomised, double-blind, two parallel group study comparing terutroban 30 mg o.d. versus aspirin 100 mg o.d. administered for a 3-year mean duration (event driven trial)	Prof. Dr. Ralf Baumgartner	Prof. Dr. Ralf Baumgartner	ADIR \& Institut de Recherches Internationales Servier	01.04.2006	30.04.2009	21'671.74	6'232.00
34250214	Prevalence of Fabry Disease in patients with cryptogenic stroke	Prof. Dr. Ralf W. Baumgartner	Prof. Dr. Ralf W. Baumgartner	Genzyme GmbH, Baar	01.04.2006	31.12.2009	0.00	0.00
34250215	Vestibular neglect - does it exist?	Dr. Antonella Palla	Dr. Antonella Palla	Baasch-Medicus-Stiftung	01.10.2006	30.09.2009	27'083.19	100.00
34250218	Swiss intravenous and intra-arterial thrombolysis for treatment of acute ischemic stroke registry	Prof. Dr. Ralf W. Baumgartner	Prof. Dr. Ralf W. Baumgartner	Fund. Inselspital Bern (Schweizerische Herzstiftung)	01.02.2008	28.02.2010	0.00	0.00
34250220	Efficacy and safety of once-daily oral rivaroxaban with adjusted-dose oral warfarin for prevention of stroke and non-central nervous system systemic embolism in subjects with non-valvular atrial fibrillation	Prof. Dr. Ralf W. Baumgartner	Prof. Dr. Ralf W. Baumgartner	Johnson \& Johnson Pharmaceutical Research \& Development L.L.C.	01.02.2008	31.12.2009	0.00	781.80
34250222	Evaluation der Verträglichkeit und des Metabolismus von XG-102, das in einmaligen Dosisstufen stabilen Patienten verabreicht wird, die einen ischämischen Schlaganfall erlitten haben	Prof. Dr. Ralf W. Baumgartner	Prof. Dr. Ralf W. Baumgartner	Xigen S.A.	01.01.2008	31.12.2009	0.00	0.00
34250312	Genetic factors influencing the phenotype of extrapyramidal taopathies	PD Dr. Hans H. Jung	PD Dr. Hans H. Jung	Betty and David Koetser Foundation for Brain Research	01.01.2007	30.06.2009	62'247.60	134.50
34250314	ZNZ Grant entitled: Sleep, neuroplasticity and functional recovery after ischemic stroke	Prof. Dr. Claudio Bassetti	Prof. Dr. Claudio Bassetti	ZNZ PhD Grant Program	01.08.2007	31.12.2009	24'588.55	0.00
34250319	The role of orexin and dopamine in sleep-wake regulation and reward in Parkinson's disease	PD Dr. Christian Baumann	PD Dr. Christian Baumann	Parkinson Schweiz	01.01.2009	31.12.2011	0.00	0.00

Kreditnr.	Bezeichnung	Inhaber/in	Projektleiter/in	Finanzquelle	Beginn	Ende	Personalaufwand im Berichtsjahr	Sachaufwand im Berichtsjahr
34250811	Interactions between attention, space, numbers: neuropsychol., vestibular and oculomotor aspects	PD Dr. Peter Brugger	PD Dr. Peter Brugger	Betty and David Koetser Foundation for Brain Research	01.01.2008	31.12.2008	15'016.81	280.00
34250812	'Nosognosia': unrealistic optimism and the denial of illness	PD Dr. Peter Brugger	PD Dr. Peter Brugger	The Cogito Foundation	01.04.2008	31.03.2011	32'552.55	0.00
34250814	Incarnation without animation: A neurological account of the desire for healthy limb amputation	PD Dr. Peter Brugger	PD Dr. Peter Brugger	Roche Research Foundation	01.04.2009	31.03.2010	0.00	0.00
34251001	Organotypic CNS slice cultures as an in-vitro model for immune mediated tissue damage and repair in multiple sclerosis	Prof. Dr. Norbert Goebels	Prof. Dr. Norbert Goebels	Stiftung Forschung 3R	01.07.2006	31.12.2009	50'349.00	0.00
34251004	A 24-month, double-blind, randomized, multicenter, placebo-controlled, parallel-group study comparing efficacy and safety of FTY720 1,25 and 0,5 mg administered orally once daily versus placebo in patients with relapsing-remitting multiple sclerosis	Prof. Dr. Norbert Goebels	Prof. Dr. Norbert Goebels	PPD Germany GmbH & Co. KG, München	01.03.2007	31.12.2009	82'146.10	9'180.00
34251101	Novel strategies to activate the p53-controlled death-signalling pathway in malignant glioma cells	Prof. Dr. Michael Weller	Prof. Dr. Michael Weller	Jacqueline Seroussi Memorial Foundation for Cancer Research	01.01.2008	31.12.2010	73'930.23	4'368.84
34251104	Proteasominhibition und Gliome	Prof. Dr. Michael Weller	Prof. Dr. Michael Weller	4SC, D-82152 Martinsried, am Klopferstutz 19a (via Uniklinik Tübingen)	01.01.2008	31.12.2009	0.00	0.00
34251105	Cilengitide und Gliome	Prof. Dr. Michael Weller	Prof. Dr. Michael Weller	Merck KGaA, D-64293 Darmstadt (via Uni-Klinikum Tübingen)	01.01.2008	31.12.2009	4'164.45	0.00
34251107	NOA-04	Prof. Dr. Michael Weller	Prof. Dr. Michael Weller	Uni Tübingen	01.01.2008	31.12.2009	0.00	0.00

Kreditnr.	Bezeichnung	Inhaber/in	Projektleiter/in	Finanzquelle	Beginn	Ende	Personalaufwand im Berichtsjahr	Sachaufwand im Berichtsjahr
34251108	The impact of methionine metabolism for the incidence and the clinical course of alcohol-dependency	Dr. Michael Linnebank	Dr. Michael Linnebank	European Research Advisory Board (ERAB)	01.01.2008	31.12.2009	7'422.10	9'942.15
34251201	Lower extremity robotics for stroke rehabilitation	Prof. Dr. Andreas Luft	Prof. Dr. Andreas Luft	Veteran Affairs Administration, Washington, USA (via Uniklinik Tübingen, Prof. Strehl)	01.08.2008	31.12.2010	0.00	0.00
Total							493'276.06	69'555.98

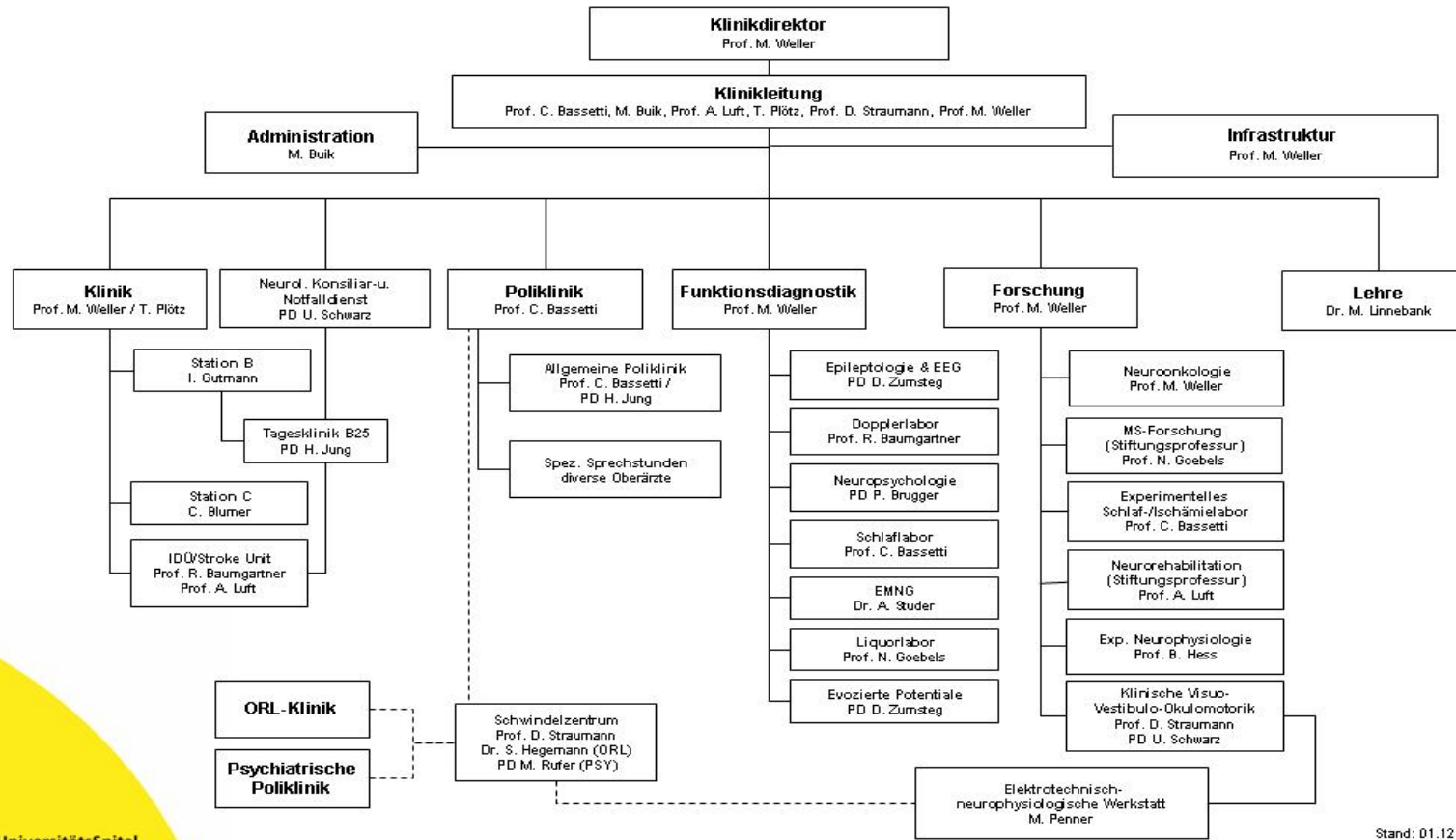
13.6 Drittmittel ohne Peer-Review (CHF)

Anzahl Projekte/Konten	Personalaufwand total	Sachaufwand total
31	950'681.09	220'250.76

Bemerkungen

Organigramm

Neurologische Klinik und Poliklinik - 2008



Stand: 01.12.08

