CENTER OF NEUROLOGY

T Ü B I N G E N

ANNUAL REPORT 2012

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CENTER OF NEUROLOGY TÜBINGEN

Directors:

Prof. Dr. Thomas Gasser
Prof. Dr. Mathias Jucker
Prof. Dr. Holger Lerche
Prof. Dr. Peter Thier
Prof. Dr. Ulf Ziemann

EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN

Hertie Institute
for Clinical Brain Research

UNIVERSITÄTS
KLINIKUM
TÜBINGEN

TABLE OF CONTENTS

THE CENTER OF NEUROLOGY

The Hertie-Institute for Clinical Brain Research with its modern architecture and up-to-date infrastructure is one of Germany's largest facilities for neurological research.

The Center of Neurology in 2012

The Center of Neurology at the University of Tübingen was founded in 2001. It unites the Hertie-Institute for Clinical Brain Research (HIH) and the University Hospital for Neurology with the mission to promote excellence in research and patient care.

Presently, the center consists of five departments: Vascular Neurology, Epileptology, Neurodegeneration, Cognitive Neurology and Cellular Neurology. The clinical departments provide inpatient and outpatient care within the University Hospital, while their clinical and basic research groups are part of the Hertie-Institute.

The fact that all departments of the center actively participate, albeit to a different degree, in the clinical care of patients with neurologic diseases is crucial to the concept of successful clinical brain research at the Hertie-Institute. This is of course most obvious in clinical drug trials, which are conducted for example on the treatment of Parkinson's disease, multiple sclerosis, epilepsies and brain tumors. However, the intimate interconnection of science and patient care is of eminent importance to all areas of disease-related neuroscience. It forms the very center of the Hertie-concept and distinguishes the Center of Neurology from other institutions of neuroscientific research.

2012

Das Zentrum für Neurologie im Jahr 2012

Mit dem im Jahre 2001 unterzeichneten Vertrag zwischen der Gemeinnützigen Hertie-Stiftung (GHS) und dem Land Baden-Württemberg, der Universität Tübingen und ihrer medizinischen Fakultät sowie dem Universitätsklinikum Tübingen wurde das „Zentrum für Neurologie" geschaffen. Damit entstand eines der größten Zentren für klinische und krankheitsorientierte Hirnforschung in Deutschland.

Das Zentrum besteht aus zwei eng verbundenen Institutionen, der Neurologischen Klinik und dem Hertie-Institut für klinische Hirnforschung (HIH). Die Aufgaben des Zentrums liegen sowohl in der Krankenversorgung durch die Neurologische Klinik als auch in der wissenschaftlichen Arbeit der im HIH zusammengeschlossenen Forscher. Das Zentrum besteht derzeit aus fünf Abteilungen: Allgemeine Neurologie mit Schwerpunkt Vaskuläre Erkrankungen, Neurologie mit Schwerpunkt Epileptologie, Neurodegenerative Erkrankungen, Kognitive Neurologie und Zellbiologie Neurologischer Erkrankungen. Die besonders enge Verknüpfung von Klinik und Grundlagenforschung ist ein fundamentaler Aspekt des Hertie-Konzepts und ein Alleinstellungsmerkmal gegenüber anderen Institutionen der Hirnforschung. Dies ist unter anderem die Grundlage für erfolgreiche Medikamenten-Studien, die am Zentrum zum Beispiel in der Therapie der Parkinson-Krankheit, der Epilepsien, der Multiplen Sklerose und auch in der Hirntumorbehandlung in erheblichem Umfang durchgeführt werden.

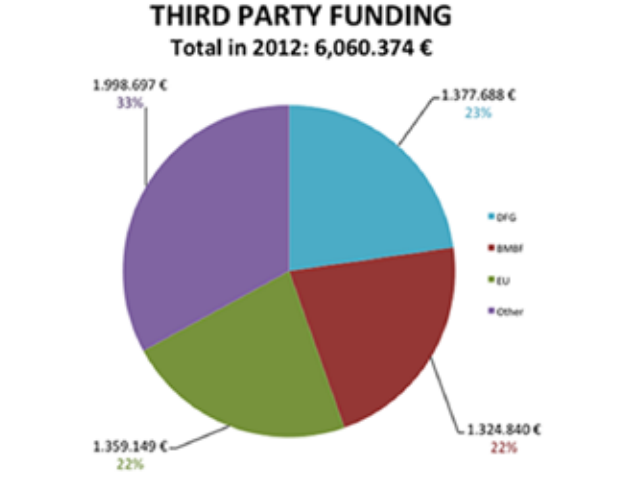
2012

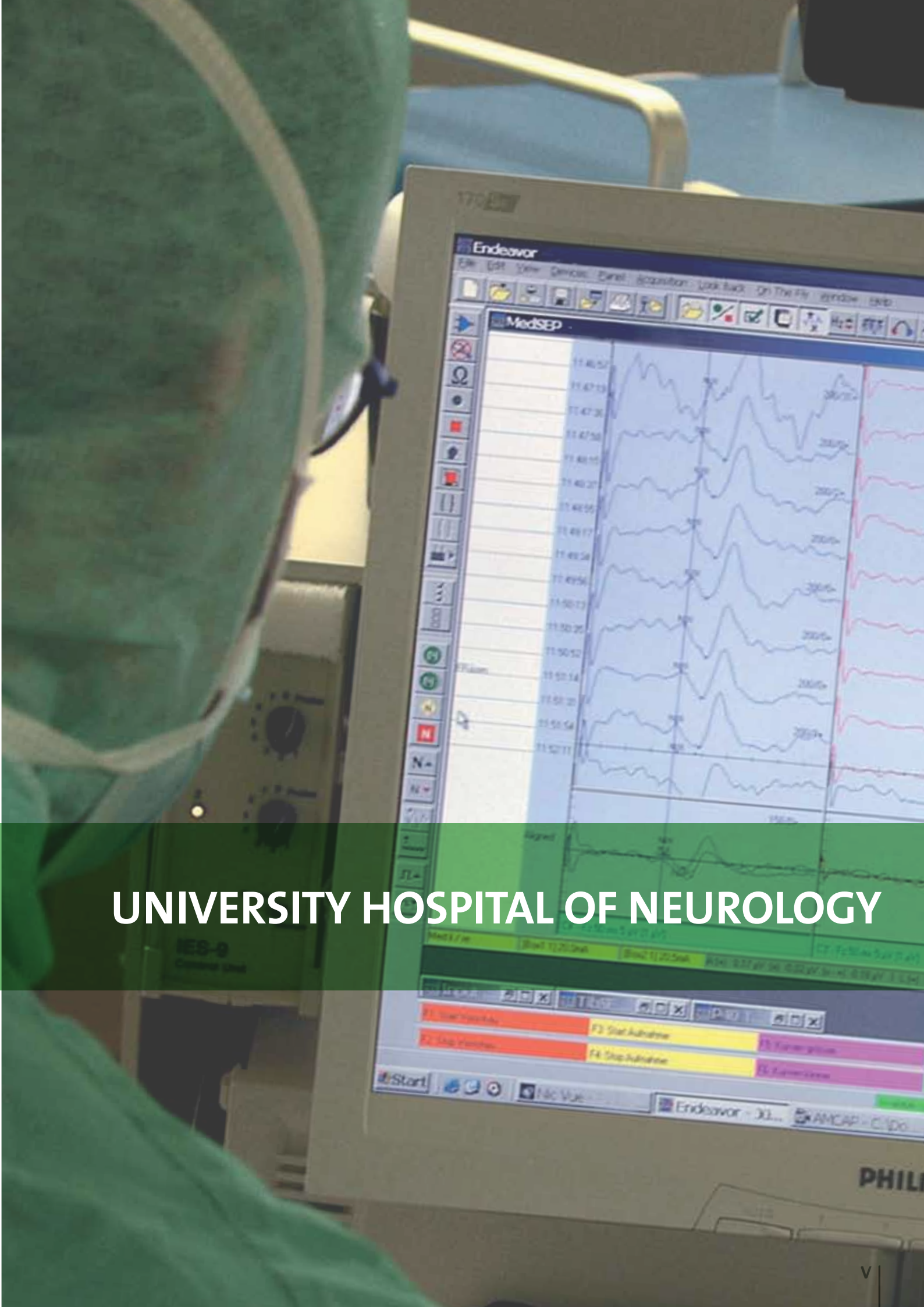
Professor Daniela Berg perfoming a Transcranial Sonography.

2012

The Department of Neurology is located on the premises of the CRONA Hospital.

The staff at the laboratories works eagerly on the elucidation of the mysteries of brain function.





UNIVERSITY HOSPITAL OF NEUROLOGY

Close monitoring of patients at the intensive care unit.

Clinical Care

The clinical Department of Neurology of the University Hospital in Tübingen treats inpatients with the complete spectrum of neurologic diseases on four general wards. Patients with acute strokes are treated on a specialized stroke-unit which allows 24-hour surveillance and treatment. In addition, a specialized EEG-monitoring unit allows continuous long-term EEG recordings for patients with intractable epilepsies.

UNIVERSITÄTS KLINIKUM TÜBINGEN

In the outpatient unit of the department, more than 3,000 patients are examined and treated per year, many of them in specialty clinics which are directed by recognized specialists in the respective fields. Most recently, a dementia clinic was instituted as a collaborative unit between the Department of Cellular Neurology of the HIH and the University Hospital for Psychiatry and Psychotherapy. It is headed by Professor Christoph Laske.

Patientenversorgung

Die Neurologische Klinik am Universitätsklinikum Tübingen behandelt Patienten mit dem gesamten Spektrum neurologischer Erkrankungen auf vier Allgemeinstationen. Darüber hinaus werden Patienten mit akuten Schlaganfällen auf einer Schlaganfall-Spezialstation („Stroke-Unit") behandelt, die rund um die Uhr die erforderlichen Überwachungs- und Therapiemaßnahmen erlaubt. Daneben gibt es eine spezielle Einheit zur kontinuierlichen Langzeit-EEG-Ableitung (EEG-Monitoring) für Patienten mit schwer behandelbaren Epilepsien.

In der neurologischen Poliklinik werden mehr als 3.000 Patienten pro Jahr ambulant betreut, viele davon in Spezialambulanzen, die von ausgewiesenen Experten für die jeweiligen Erkrankungen geleitet werden. Zusätzlich zu den bereits bestehenden Spezialambulanzen wurde zuletzt gemeinsam von der Abteilung für Zelluläre Neurologie und der Universitätsklinik für Psychiatrie und Psychotherapie eine Demenzambulanz gegründet, die von Prof. Christoph Laske geleitet wird und sich speziell der Untersuchung der familiären Alzheimer-Demenz widmen soll.

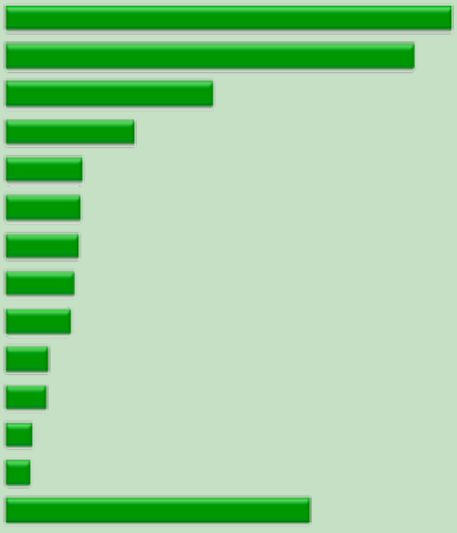
Inpatient care

The inpatient units of the University Hospital for Neurology treated more than 4,500 patients in 2012.

Number of admissions	4,565
Length of stay (in days)	5
Case-Mix-Index	1,28

Inpatient Diagnosis Groups

Cerebrovascular diseases	22.3 %
Episodic and paroxysmal disorders	20.4 %
Extrapyramidal and movement disorders	10.4 %
Malignant neoplasms	6.5 %
Inflammatory diseases of the central nervous system	3.9 %
Other disorders of the nervous system	3.8 %
Demyelinating diseases	3.7 %
Diseases of the musculoskeletal system	3.5 %
Mental and behavioural disorders	3.3 %
Polyneuropathies	2.2 %
Other degenerative diseases of the nervous system	2.1 %
Nerve. nerve root and plexus disorders	1.4 %
Other neoplasms	1.3 %
Others	15.2 %



Outpatient care

Number of consultations: 14,050

HERTIE-INSTITUTE FOR CLINICAL BRAIN RESEARCH

Vascular Neurology
Neurology and Epileptology
Neurodegenerative Diseases
Cognitive Neurology
Cellular Neurology
Independent Research Groups

The Hertie-Institute for Clinical Brain Research (HIH)

In less than 11 years of its existence, the Hertie-Institute has grown to more than 350 employees of all levels, from technicians to PhD students to full professors. Outstanding achievements of the institute are discoveries related to the molecular, genetic and physiological basis of a number of major neurologic diseases.

The institute presently consists of five departments: Vascular Neurology, Epileptology, Neurodegeneration, Cognitive Neurology and Cellular Neurology. The fact that all departments of the center actively participate, albeit to a different degree, in the clinical care of patients with neurologic diseases is crucial to the concept of successful clinical brain research at the Hertie-Institute.

The institute is home to a total of 25 research groups, 22 of them within the aforementioned departments, three as independent junior research groups. The first of these independent groups, which has been established in 2006, has successfully passed its evaluation by the scientific advisory board of the Hertie-Institute as an independent group status.

In 2012, scientists at the Center of Neurology have obtained more than 6.0 million Euro in third party funding and have published 180 papers in peer reviewed journals.

The new head of the Department for Neurovascular Diseases (previously Department of General Neurology) Professor Ulf Ziemann joined the institute in spring 2012. In the few months since, the department has been restructed according to its new focus. It runs the large stroke-unit of the University Hospital.

As a primary care institution, all clinical departments together treat patients with the complete spectrum of neurological diseases.

Silke Jakobi has become the new head of communication in October 2012. She will be responsible for all HIH communication and public outreach activities. She will also support fundraising activities.

The new research building for the "Werner Reichardt Centre for Integrative Neuroscience (CIN)" on the Schnarrenberg neuroscience campus, which also houses HIH groups, has been completed, groups have moved in and sciencentific work has begun.

The planning for the new building of the partner institute of the "German Center for Neurodegenerative Diseases (DZNE) within the Helmholtz Association is making progress as well as the setting up of DZNE Tübingen site.

Finally, the HIH played an important role in the University´s application in the German federal and state government´s Excellence Initiative. All these developments will ensure the long term success of the neuroscience community in Tübingen.

Prof. Dr. Thomas Gasser
Prof. Dr. Mathias Jucker
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Das Hertie-Institut für klinische Hirnforschung (HIH)

Elf Jahre nach seiner Gründung durch die Gemeinnützige Hertie-Stiftung, die Universität Tübingen und das Universitätsklinikum Tübingen gehört das HIH auf dem Gebiet der klinischen Hirnforschung zum Spitzenfeld europäischer Forschungseinrichtungen. Herausragende Forschungsergebnisse haben das Institut auch über die Grenzen Europas hinaus bekannt gemacht. Seine Arbeitsschwerpunkte liegen im Bereich neurodegenerativer und entzündlicher Hirnerkrankungen, der Schlaganfallforschung, Epilepsien und der Erforschung der Grundlagen und Störungen von Wahrnehmung, Motorik und Lernen. Zu den bedeutenden Forschungserfolgen des HIH zählen die Entdeckung wichtiger genetischer und molekularer Grundlagen der Entstehung und Progression neurologischer Erkrankungen.

In den Abteilungen sind zurzeit 18 Professoren und etwa 350 Mitarbeiter in 25 Arbeitsgruppen tätig. Die Gemeinnützige Hertie-Stiftung wendete bisher rund 30 Millionen Euro für das HIH auf und wird ihre Förderung fortsetzen.

Im Frühjahr 2012 hat der neue Leiter der Abteilung Vaskuläre Neurologie (bisher Abteilung für Allgemeine Neurologie) Professor Ulf Ziemann seine Arbeit aufgenommen. Die Abteilung Neurologie mit Schwerpunkt neurovaskuläre Erkrankungen betreibt die große Schlaganfall-Spezialstation der Klinik und hat sich in kurzer Zeit zu einer wichtigen Komponente des Zentrums entwickelt.

Als Einrichtungen der Primärversorgung versorgen alle Abteilungen zusammen Patienten aus dem gesamten Spektrum neurologischer Erkrankungen.

Das HIH verstärkt seine Kommunikationsaktivitäten: Silke Jakobi ist seit Oktober als Leiterin Kommunikation hierfür verantwortlich und wird sich auch in die Fundraising-Aktivitäten einbringen.

Das HIH, ein Modellprojekt für Public Private Partnership, hat auch im Jahr 2012 mehr als 6,0 Millionen Euro an Drittmitteln eingeworben und 180 Veröffentlichungen in wissenschaftlichen Fachzeitschriften publiziert. Diese Zahlen belegen u. a. die wissenschaftliche Leistungsfähigkeit des Zentrums. Die wichtige Rolle, die das HIH im Leben der Universität Tübingen spielt, wurde auch durch die intensive Beteiligung am erfolgreichen Konzept der Universität im Exzellenz-Wettbewerb deutlich.

Auch strukturell geht das HIH neue Wege. Bei den Reformansätzen gelten vor allem drei Schwerpunkte: Die Einrichtung einer Department-Struktur, die Einrichtung eines Pools von flexibel und kurzfristig einsetzbaren Fördermitteln und der Aufbau eines Modells für einen leistungsabhängigen Gehaltszuschlag für alle Mitarbeiter. Um der Größe des Hauses gerecht zu werden und um Erfahrungen aus

THE HERTIE-INSTITUTE FOR CLINICAL BRAIN RESEARCH (HIH)

The Parkinson Laboratory at the Hertie-Institute for Clinical Brain Research in Tübingen: Fragmented DNA material is analyzed by electrophoretic means.

den letzten zehn Jahren einfließen lassen zu können, wurde im Jahr 2012 die Governance des HIH überarbeitet. Ein weiterer innovativer Aspekt des HIH ist die Einrichtung von abteilungsunabhängigen Junior Arbeitsgruppen im „Tenure Track-Verfahren". Die erste dieser Arbeitsgruppen, die sich schwerpunktmäßig mit neuro-regenerativen Prozessen des Rückenmarks beschäftigt, wurde im Frühjahr 2006 eingerichtet und 2010 aufbauend auf einer erfolgreichen internationalen Evaluierung in eine selbstständige Arbeitsgruppe umgewandelt.

Die zweite Gruppe mit Fokus auf der Untersuchung synaptischer Plastizität im Drosophila-Modell wurde Ende 2008 etabliert und im Rahmen einer internationalen Evaluation 2011 verlängert.

Eine besondere Bedeutung für die Zukunft des Zentrums kommt auch seiner Beteiligung an der erfolgreichen Bewerbung von Tübingen als Partnerstandort des „Deutschen Zentrums für Neurodegenerative Erkrankungen, DZNE" zu. Die Etablierung dieses Partnerstandortes ermöglicht die langfristige Sicherung von Forschungsmitteln und führt zu einer erheblichen Stärkung des neurowissenschaftlichen Standorts.

Nach einer dreijährigen Bauphase konnte im Frühjahr 2012 der Neubau des Werner-Reichardt Centrums für Integrative Neurowissenschaften (CIN), das direkt gegenüber dem HIH liegt, bezogen werden. Auch Forschungsgruppen des HIH haben in diesem Forschungsbau ihre Arbeit aufgenommen.

Prof. Dr. Thomas Gasser
Prof. Dr. Mathias Jucker
Prof. Dr. Holger Lerche
Prof. Dr. Peter Thier
Prof. Dr. Ulf Ziemann

Hertie Institute
for Clinical Brain Research

UNIVERSITY HOSPITAL OF NEUROLOGY

Head of Nursing Services

Renate D. Fuhr (PDL, since 11/2012)
Monika Renner (stellv. PDL)
Klaus Siegle (Stationsltg. 45/43)
Bärbel Hauger (Stationsltg. 42)
Aika Heinzelmann (Stationsltg. 40/41)
Lieselotte Wollny (PDL until 11/2012)

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Annette Eisele
Martina Gockner
Martin Grunwald
Joachim Kraus
Michelle Schumann
Benjamin Wurster
Lilli Ziaja

Station 42

Anja Hutter
Renate Maier-Korneck
Iris Sadowski
Ulrike Schweizer
Sarah Sciarrone
Gudrun Siegl

Station 43/45

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Sigird Baltes
Carola Baur
Susanne Becht
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Friedhelm Chmell
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Anja Siegle
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Eva-Maria Stratmann
Isabel Utsch-Sellnow
Birgit Weimar

Pflegehelfer

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Barbara Dangel
Rebecca Hummel
Iryna Kontokostas
Gabriele Layla
Daria Noman
Emily Paul
Inga Zengerle

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Monika Foll
Steffie Fuchs
Tobias Göttermann
Susanne Grumann
Carmen Haag
Frank Hauber
Ilona Jankowsky
Regina Johner
Eftimia Kalpakli
Petra Kaschowitz
Dominik Kleck
Heike Kübler
Ines Lange
Christine Löw
Samanta Mekanovic
Jessica Meiß
Annette Mögle
Christine Moosmann

Birgit Moryson
Markus Müller
Nora Müller
Petra Nipprasch
Christine Reuter
Claudia Romeikat
Gloria Sementilli
Mirijam Schäfer
Johann Schmuck
Thyra Schmuck
Tanja Stiebich
Lothar Villinger
Angelika Weber
Gerda Weise
Bettina Weisser
Eva Wener-Buck
Barbara Werner
Ulrike Zimmermann

Case/Occupancy Management

Ulrich Braun
Silvia Clement
Wilhelm Eissler
Christina Tomschitz

Technicians

Margarete Dengler (EEG)
Anke Deutsch (EP)
Evelyn Dubois (CFS Chemistry)
Siegfried Ebner (CSF Chemistry)
Andrea Eckert (CSF Chemistry)
Carry Friedrich (ENG)
Jutta Grimm (EMG)
Renate Mahle (EEG, Neurosonography)
Petra Schroth (CSF Chemistry)
Nathalie Vetter (ENG, Neurosonography)
Barbara Wörner (EEG)

Secretaries

Isolde Marterer
Jutta Miller
Christine Riegraf
Annette Schmid
Susanne Stimmler
Diana Thomma
Doris Wieder

Medical Documentation

Sonja Brandner
Christine Brick
Horst Feuerbacher

DEPARTMENT OF VASCULAR NEUROLOGY

CLINICAL AND SCIENTIFIC STAFF

Head of the Department

Prof. Dr. Ulf Ziemann (since 05/2012)
Prof. Dr. Arthur Melms (Acting-Chairman until 04/2012)

Group leaders/Attending physicians

Prof. Dr. Herrmann Ackermann
PD Dr. Felix Bischof
Dr. Jennifer Diedler (Neurointensive Care, since 10/2012)
Dr. Jite Erharhaghen (Neuro-Cardiology, until 05/2012)
PD Dr. Ulrike Naumann
Dr. Sven Poli (since 10/2012)
Dr. Christine Zürn (Cardiologist, since 06/2012)

Scientists/Residents

Dr. Eleni Adamopoulou
Dr. Christian Braun
Dr. Matthias Ebener (since 10/2012)
Dr. Katharina Friebe
Christian Frischholz
PD Dr. Ingo Hertrich
Oliver Preische
Dr. Carin Schilling (since 10/2012)
Dr. Simon Schuster
Dennis Schlak
Martin Wolf
Dr. Lena Zeltner

Technical staff/Administration

Dipl.-Ing. Rüdiger Berndt (Electronics, together with the Dept. of Cognitive Neurology)
Evelyn Dubois
Siegfried Ebner
Andrea Eckert
Marion Jeric
Ute Küstner
Christine Ruth (since 11/2012)
Petra Schroth

Medical Doctoral Student

Heiko Brennenstuhl (Supervisor PD Dr. Naumann)
Hanna Faber (Supervisor Prof. Dr. Ziemann)
Sandra Falkvoll (Supervisor PD Dr. Bischof)
Julia Glatzner (Supervisor PD Dr. Bischof)
Ruth Hass (Supervisor PD Dr. Bischof)

Elisabeth Hörig (Supervisor PD Dr. Naumann)
Eloisa Mierswa-Silva (Supervisor PD Dr. Bischof)
Johannes Mörike (Supervisor PD Dr. Bischof)
Jan Piel (Supervisor PD Dr. Bischof)
Toni Silber (Supervisor PD Dr. Bischof)
Marie Süße (Supervisor Prof. Dr. Ziemann)
Natalia Tveriakhina (Supervisor PD Dr. Bischof)
Frabrina Wiessing (Supervisor PD Dr. Bischof)

PhD Students

Kirsi Forsberg (Supervisor PD Dr. Bischof)
Oliver Podlech (Supervisor PD Dr. Naumann)
Janina Seznec (Supervisor PD Dr. Naumann)
Björn Silkenstedt (Supervisor PD Dr. Naumann)

Master Students

Shohag Bhattarcharyya (Supervisor PD Dr. Naumann)
Svenja Espenhahn (Supervisor Prof. Dr. Ziemann)
Jennifer Rubel (Supervisor PD Dr. Naumann)

Professorship for Neurorehabilitation

Prof. Dr. H. Ackermann
PD Dr. Ingo Hertrich

CLINICAL STUDIES

WA 21493: A Phase II, multicenter, randomized, placebo and Avonex controlled dose finding study to evaluate the efficacy and safety of ocrelizumab in patients with relapsing-remitting multiple sclerosis.
Investigators: Arthur Melms (until 05/2012), Ulf Ziemann (since 06/2012), Felix Bischof

WA21092: A Randomized, Double-Blind, Double-Dummy, Parallel-Group Study To Evaluate The Efficacy And Safety Of Ocrelizumab In Comparison To Interferon Beta-1a (Rebif®) In Patients With Relapsing Multiple Sclerosis
Investigators: Arthur Melms (until 05/2012), Ulf Ziemann (since 06/2012), Felix Bischof

WA25046: A Phase III, multicentre, randomized, parallel-group, double blinded, placebo controlled study to evaluate the efficacy and safety of ocrelizumab in adults with Primary Progressive Multiple Sclerosis.
Investigators: Arthur Melms (until 05/2012), Ulf Ziemann (since 06/2012), Felix Bischof

CFTY720DDE17 (START): A 1-week, open-label, multi-center study to explore conduction abnormalities during first dose administration of Fingolimod in patients with relapsing-remitting multiple sclerosis.
Investigator: Felix Bischof

DEPARTMENT OF VASCULAR NEUROLOGY

CFTY720DDE06: A 21-week, multicenter, open label study to evaluate the safety and tolerability profile of the combination of a SSRI or SNRI antidepressive therapy with oral fingolimod in the treatment of RRMS patients with mild to moderate depression
Investigator: Felix Bischof

CFTY720D2399: A single arm, open-label, multicenter study evaluating the long-term safety, tolerability and efficacy of a 0.5 mg fingolimod (FTY720) administered orally once daily in patients with multiple sclerosis.
Investigators: Arthur Melms (until 05/2012), Ulf Ziemann (since 06/2012), Felix Bischof

CFTY720DDE01: A 6 months multicenter, single-arm, open-label study to investigate changes in biomarkers after initiation of treatment with 0,5 mg fingolimod (FTY720) in patients with relapsing-remitting multiple sclerosis.
Investigator: Felix Bischof

CFTY720D2324: Eine 32-wöchige Patienten- und Auswerter-verblindete, randomisierte, multizentrische Parallelgruppenstudie zur Beurteilung der Krankheitskontrolle und Sicherheit bei Patienten mit schubförmig remittierender Multipler Sklerose, die von einer vorherigen Behandlung mit Natalizumab auf Fingolimod (FTY720) umgestellt werden.
Investigator: Felix Bischof

Kompetenznetz MS: Concerted Action on Biomarker for Individualized Multiple Sclerosis Therapy in Germany – Control MS: Prospektive Kohortenstudie bei Patienten mit KIS (klinisch isoliertem Syndrom) und früher Multipler Sklerose.
Investigator: Ulf Ziemann (since 12/2012)

ONO 4641POU007: A double-blind, placebo-controlled study of the safety and efficacy of ONO-4641 in patients with relapsing-remitting multiple sclerosis.
Investigators: Arthur Melms (until 05/2012), Ulf Ziemann (since 06/2012), Felix Bischof

CFTY720DDE02: Multizentrische, prospektive, nicht-interventionelle Langzeit-Registerstudie zur Beschreibung der Sicherheit und des Stellenwerts von Gilenya® (fingolimod 0.5 mg) in der Behandlung von MS Patienten. Akronym PANGAEA: Post-Authorization non-interventional German safety study of Gilenya® in MS patients
Investigator: Felix Bischof

MOVE-1: Beobachtungsstudie – zur retrospektiven Datenerhebung zu Versorgung, Krankheitskosten und Lebensqualität bei Multiple Sklerose Patienten mit Spastik in Deutschland.
Investigator: Felix Bischof

MOVE-2: multizentrische, prospektive Beobachtungsstudie, kombiniert mit einer Patientenbefragung in Deutschland. Die Studie wird über einen Zeitraum von 3 Monaten für alle Patienten durchgeführt, die auf Sativex® eingestellt wurden (Responder/Non-Responder).
Investigator: Felix Bischof

Percept: Nicht-interventionelle, beobachtend, prospektiv, open label, multizentrische Studie bei Patentien mit schubförmig-remittierender Multipler Sklerose in Deutschland, bei denen eine Therapie mit TYSABRI® indiziert ist und in der klinischen Routine durchgeführt wird.
Investigator: Felix Bischof

101MS326 (ASCEND): A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study of the Efficacy of Natalizumab on Reducing Disability Progression in Subjects With Secondary Progressive Multiple Sclerosis.
Investigator: Felix Bischof

101-MS-206 (REFINE): A Randomized, Blinded, Parallel-Group, Phase 2 Study Exploring the Safety, Tolerability, and Efficacy of Multiple Regimens of Natalizumab in Adult Subjects With Relapsing Multiple Sclerosis.
Investigators: Arthur Melms (until 05/2012), Ulf Ziemann (since 06/2012), Felix Bischof

218MS403: An Open-Label, Multicenter, Multinational Study to Assess the Effect of Long-Term Prolonged-Release Fampridine (BIIB041) 10 mg Twice Daily on Quality of Life as Reported by Subjects with Multiple Sclerosis.
Investigators: Arthur Melms, Felix Bischof

SIGNS: An open, uncontrolled, non-interventional observational cohorte outcome study of immunglobulins in 3 indications: primary and secondary immunodeficiencies and neurological auto- immune disease.
Investigator: Christian Frischholz

Glarius: Randomisierte, offene, multizentrische Phase II Studie zum Einsatz von Bevacizumab und Strahlentherapie gefolgt von Bevacizumab und Irinotecan im Vergleich zu Temozolomide und Strahlentherapie gefolgt von Temozolomid bei Patienten mit neu diagnostiziertem Glioblastom und nicht methyliertem MGMT-Promotor.
Investigator: Christian Braun

EORTC 26101: Phase II trial exploring the sequence of bevacizumab and lomustine in patients with first recurrence of glioblastoma.
Investigator: Christian Braun

CATNON Intergroup Trial (EORTC 26053): Phase III trial on concurrent and adjuvant temozolomide chemotherapy in non-1p/19q deleted anaplastic glioma.
Investigator: Christian Braun

CODELETER Intergroup Trial (EORTC26081): Phase II randomized trial assessing intergroup study of radiotherapy versus temozolomide versus radiotherapy with concomitant and adjuvant temozolomide for patients with newly diagnosed anaplastic oligodendroglioma or anaplastic mixed glioma with chromosomal co-deletions of 1p and 19q.
Investigator: Christian Braun

EORTC 22033: Primäre Chemotherapie mit Temozolomid versus Radiotherapie bei Patienten mit niedriggradigen Gliomen nach Stratifizierung für den genetischen 1p-Verlust:
Eine Phase III Studie.
Investigator: Christian Braun

OSAG 101: Phase III Studie zum Vergleich von Standard Radiotherapie mit gleichzeitiger und adjuvanter Verabreichung von OSAG 101 (Theraloc®) und Temozolomid gegen Standard Radiotherapie mit gleichzeitiger und adjuvanter Verabreichung von Temozolomid bei Patienten mit neu diagnostiziertem, histologisch bestätigtem Glioblastoma multiforme Grad IV.
Investigator: Arthur Melms

DEPARTMENT OF VASCULAR NEUROLOGY

THIRD-PARTY FUNDING

Ongoing Grants

Perzeption ultraschneller synthetischer Sprache: Mechanismen der Neuroplastizität auditiver Sprachwahrnehmung bei Blinden (AC55/9-1)

Project leader:	Prof. Dr. Hermann Ackermann, MA Prof. Dr. E. Zrenner
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	09/2010 – 08/2014
Awarded on:	June 23, 2010

Neuronale Kontrolle sprachlicher und nichtsprachlicher Bewegungen des Sprechbewegungsapparates: Klinische Untersuchungen (AC55/10-1)

Project leader:	Prof. Dr. Wolfram Ziegler Ackermann, Prof. Dr. Hermann Ackermann, MA
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	06/2011 – 05/2014
Awarded on:	May 16, 2011

Erforschung der molekularen Mechanismen einer ISCADOR Behandlung des Glioblastoms

Project leader:	PD Dr. Ulrike Naumann
Funding institution:	Hans Sauer Stiftung, Innovationstiftung Sauer
Funding period:	01/2009 – 06/2012
Awarded on:	December 4, 2008

Einfluss von Interferon beta-1a auf die Oberflächenglykosylierung von Immunzellen bei Patienten mit schubförmiger Multipler Sklerose

Project leader:	PD Dr. Felix Bischof
Funding institution:	Merck Serono
Funding period:	01/2010 – 12/2012
Awarded on:	September, 2010

New Grants

Toleranz und Autoimmunität im Zentralen Nervensystem

Project leader:	PD. Dr. Felix Bischof
Funding institution:	Novartis
Funding period:	03/2012 – 12/2014
Awarded on:	March, 2012

Fingolimod for treating neural dyscoordination in the working memory network of RRMS

Project leader:	Prof. Dr. Ulf Ziemann
Funding institution:	Novartis
Funding period:	10/2012 – 12/2015
Awarded on:	October 22, 2012

Funktionelle und therapeutische Bedeutung des Neuropeptid-prozessierenden Enzyms Carboxypeptidase E im Glioblastom

Project leader:	PD. Dr. Ulrike Naumann
Funding institution:	German Cancer Foundation
Funding period:	02/2013 – 01/2016
Awarded on:	November 8, 2012

Pharmacological characterization of TMS-EEG biomarkers of excitability and effective connectivity in human cortex

Project leader:	Prof. Dr. Ulf Ziemann
Funding institution:	Werner Reichardt Centre for Integrative Neuroscience (CIN)
Funding period:	2012
Awarded on:	November 11, 2012

Verarbeitung multimodaler emotionaler Signale bei Patienten mit Multipler Sklerose

Project leader:	PD. Dr. Felix Bischof
Funding institution:	Novartis
Funding period:	12/2012 – 12/2014
Awarded on:	December, 2012

PHD THESES (COMPLETED IN 2012)

Applicant: Xiaochen Hu
The dynamics of second language aptitude for pronunciation: Behavioral predictors and neural substrates
Supervisor: Prof. Dr. Hermann Ackermann, MA

Applicant: Krystyna Anna Mathiak
Brain correlates of social interactions studied with fMRI: Applying improved methodologyy and naturalistic paradigms
Supervisor: Prof. Dr. Hermann Ackermann, MA

Applicant: Janina Seznec
Identifikation und Charakterisierung CTS-1-regulierter, Resistenz-modulierender Gene im malignen Gliom
Supervisor: PD Dr. Ulrike Naumann

DEPARTMENT OF VASCULAR NEUROLOGY

Applicant: Kyriakos Sideropoulos
Zerebrale Korrelate auditiv-zeitlicher Verarbeitung bei hirngeschädigten Patienten
Supervisor: Prof. Dr. Hermann Ackermann, MA

Applicant: Björn Silkenstedt
Strategien der XIAP-Depletion im Glioblastom - Therapeutische Effekte des Sp1 Inhibitors Mithramycin A
Supervisor: PD Dr. Ulrike Naumann

DIPLOMA/MASTER THESES (COMPLETED IN 2012)

Applicant: Shohag Bhattarcharyya
Exploration of cellular pathways involved in the pro-proliferative and anti-migratory effects of Carboxypepdiase E in Glioblastoma
Supervisor: PD Dr. Ulrike Naumann
Faculty: Graduate School for Cellular Neurosciences, Tübingen

HABILITATION

Applicant: Bernhard Heinrich Greve
Komplex-genetische Regulation von Autoimmunerkrankungen: von Mäusen und Menschen

STUDENT TRAINING

Lectures (Summer Term/Winter Term)

Brain Tumors
Faculty: Genetic and Molecular Basis of Neural Diseases II, School of Cellular and Molecular Neuroscience, Tübingen
Coordinator: PD Dr. Ulrike Naumann

LAB ROTATIONS

Winter Term 2011/2012

Shohag Bhattarcharyya
Cytoskeleton alterations in GBM after CPE overexpression
Coordinator: PD Dr. Ulrike Naumann

Summer Term 2012

Katharina Böhm
Cloning of an adenovirus expressing a truncated version of cGKI fused to GFP s
Coordinator: PD Dr. Ulrike Naumann

Jennifer Rubel
Influence of CPE on "Go or Grow" in Glioblastoma – Modulation of intracellular signaling pathways
Coordinator: PD Dr. Ulrike Naumann

DEPARTMENT OF NEUROLOGY AND EPILEPTOLOGY

CLINICAL AND SCIENTIFIC STAFF

Head of the Department

Prof. Dr. Holger Lerche

Group leaders/Attending physicians

PD Dr. Marcel Dihné
Dr. Niels Focke (since 07/2012)
PD Dr. Tobias Schmidt-Wilcke (until 05/2012)
PD Dr. Yvonne Weber

Scientists/Residents

Felicitas Becker
Merle Bock
Dr. Nele Dammeier
Natalie Dorst
Yvonne Füll
Dr. Ulrike Hedrich
Dr. Barbara Kieninger (until 04/2012)
Dr. Daniel Kirschenbaum
Dr. Silke Klamer
Dr. Henner Koch
Martina Krautwald (until 04/2012)
Cristina Niturad
Dr. Yuanyuan Liu
Pascal Martin
Dr. Snezana Maljevic
Stephan Müller
Dr. von der Ohe (08/2012 - 11/2012)
Dr. Gökce Orhan (until 03/2012)
Christina Schneider
Julian Schubert
Dr. Georgeta Teodorescu
Dr. Teresa Ulrich (until 09/2012)
Dr. Janine Walter
Dr. Stephan Wolking
Dr. Thomas Wuttke
Mariana Zaichuk

Technical staff/Administration

Yasemin Colakoglu
Jane Gollub
Christian Hengsbach
Nicole Jezutkovic
Heidrun Löffler
Sarah Rau
Annette Schmid

Medical Doctoral Students

Judith Kempfle
Julia Knaus
Stephan Lauxmann
Andreas Naros
Theresa Schneider
Niklas Schwarz
Anna Wagner

CLINICAL STUDIES

Retigabin-Study: An Open-Label, Flexible-Dose Study of Retigabine immediate Release (IR) as Adjunctive Therapy to Specified monotherapy Antiepileptic Treatments in Adults with Partial-Onset Seizures. (GlaxoSmithKline Research & Development Limited)
Investigator: Holger Lerche

UCB Phase 1b Study (UP0002): A multicenter open-label parallel-group study in male and female subjects with epilepsy to evaluate the effect of repeated oral doses of UCB0942on the pharmacogenetics of carbamazepine-epoxide and the pharmacokinetics safety and tolerability of repeated oral doses of UCB0942 in the presence of concomitant antiepileptic drugs.
Investigator: Yvonne Weber

Vitoba (SP0973): Eine nicht-interventionelle Beobachtungsstudie zur Evaluation der Verträglichkeit und der Anfallskontrolle mit VIMPAT als Zusatztherapie zu einem Basisantiepileptikum bei Epilepsiepatienten mit fokalen Anfällen mit oder ohne sekundärer Generalisierung in der alltäglichen klinischen Praxis in Deutschland. (UCB)
Investigator: Yvonne Weber

Vimpat i. v. Study/Registry: Einsatz von Lacosamid (Vimpat) i. v. in der klinischen Praxis (Universitätsklinikum Kiel, Prof. Dr. med. U. Stephani)
Investigator: Yvonne Weber

Eslicarbazepine Study (BIA-2093-311): An Open-Label, Flexible-Dose Study of Retigabine immediate Release (IR) „Efficacy and Safety of Eslicarbazepine Acetate (BIA 2-093) as Monotherapy for Patients with newly diagnosed Partial-Onset Seizures: A Double-Blind, Randomized, Active-Controlled, Parallel-Group, Multicenter Clinical Study. (Bial, Scope International)
Investigator: Yvonne Weber

Victos (SP1065): A non-interventional, observational study evaluating changes in total drug load and seizure frequency using Vimpat (Lacosamide) in daily clinical practice in combination therapy with sodium channel blocking AEDs or non sodium channgel blocking AEDs (Victos).
Investigator: Yvonne Weber

Perampanel Study (Eisai332): A Double-blind, randomized, Placebo-controlled, Multicenter, Parallel-group Study with anOpen-label Extension Phase to Evaluate the Efficacy and Safety of Adjunctive Perampanelin Primary generalized Tonic-Clonic Seizures. (Eisai Inc. and Eisai Limited/PPD Germany GmbH)
Investigator: Yvonne Weber

DEPARTMENT OF NEUROLOGY AND EPILEPTOLOGY

THIRD-PARTY FUNDING

Ongoing Grants

Epilepsy and Migraine Integrated Network, 'Functional analysis of human ion channel mutations in cellular and animal models' (EMINet)

Project leader:	Prof. Dr. Holger Lerche
Funding institution:	Federal Ministry of Education and Research (BMBF: Nationales Genomforschungsnetz, NGFNplus)
Funding period:	05/2008 – 04/2013
Awarded on:	May 15, 2008

Rekrutierung von Patienten für genetische und pharmakogenetische Untersuchungen bei Epilepsien

Project leader:	Prof. Dr. Holger Lerche, PD Dr. Yvonne Weber
Funding institution:	Deutsche Gesellschaft für Epileptologie und UCB Pharma
Funding period:	2010 – 2012
Awarded on:	May 11, 2010

Generierung humaner, funktioneller neuronaler Netzwerke durch Kombination von Mikroelektroden Array- und embryonaler Stammzell-Technologie, ESSENCE

Project leader:	PD Dr. Marcel Dihné
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	2010 – 10/2013
Awarded on:	April 12, 2011

Pharmacogenomics in the treatment of epilepsy' (IZEPHA) Twinning Grant

Project leader:	Prof. Dr. Holger Lerche
Funding institution:	50% Robert-Bosch-Foundation, 50% University of Tübingen
Funding period:	12/2011 – 11/2012
Awarded on:	2009

EuroEPINOMICS-FP-005: Complex genetics of Idiopathic Epilepsy (CoGIE)

Project leader:	Prof. Dr. Holger Lerche (coordinator), Dr. Snezana Maljevic
Funding institution:	Deutsche Forschungsgemeinschaft DFG (via ESF EUROCORES)
Funding period:	07/2011 – 12/2014
Awarded on:	May 3, 2011

Epilepsy Pharmacogenomics: delivering biomarkers for clinical use (EpiPGX)

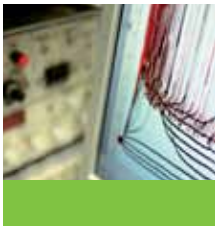
Project leader:	Prof. Dr. Holger Lerche (Deputy speaker)
Funding institution:	EU/FP7 (EU-279062)
Funding period:	11/2011 – 12/2015
Awarded on:	July 2011

German Network of Neurological and Ophthalmological Ion Channel Disorders (IonNeurONet)

Project leader:	Prof. Dr. Holger Lerche (Network-Coordinator), Dr. Snezana Maljevic (Project leader)
Funding institution:	Federal Ministry of Education and Research (BMBF: Netzwerk "Seltene Erkrankungen")
Funding period:	03/2012 – 03/2015
Awarded on:	September 16, 2011

Multimodale Bildgebung bei idiopathischen generalisierten Epilepsien

Project leader:	Dr. Silke Klamer
Funding institution:	University of Tübingen (Pate)
Funding period:	03/2012 – 02/2014
Awarded on:	November 2011



Multimodal spike localization in non-lesional focal epilepsies

Project leader:	Prof. Dr. Holger Lerche, Dr. Hubert Preissl, Prof. Dr. Klaus Scheffler
Funding institution:	University of Tübingen (CIN pool project)
Funding period:	01/2012 – 12/2013
Awarded on:	November 2011

New Grants

DFG-Großgeräteantrag zur Beschaffung eines hochauflösenden 256-Kanal EEG-Systems, MRT - und MEG-kompatibel und hochauflösende (high-density) Elektroenzephalographie (HD-EEG) zur Lokalisation pathologischer und physiologischer Hirnaktivität (Entwicklungsantrag)

Project leader:	Prof. Dr. Holger Lerche
Funding institution:	Deutsche Forschungsgemeinschaft (DFG), University of Tübingen (AKF)
Funding period:	03/2012 – 10/2013
Awarded on:	March, 2012, November 2012
Coordinator:	Prof. Dr. Holger Lerche

Gen-Panel Diagnostik bei Patienten mit Epilepsie

Project leader:	PD Dr. Yvonne Weber
Funding institution:	Universität Tübingen (AKF)
Funding period:	01/2013 – 12/2013
Awarded on:	November, 2012

Evaluating voxel-based functional connectivity measures in epilepsy

Project leader:	Dr. Niels Focke
Funding institution:	University of Tübingen (CIN pool project)
Funding period:	01/2013 – 12/2014
Awarded on:	November, 2012

DEPARTMENT OF NEUROLOGY AND EPILEPTOLOGY

Entwicklung eines neuartigen Stammzell-basierten Biosensors zur Detektion metabolischer Enzephalopathien im Rahmen akuter neurologischer Erkrankungen

Project leader:	PD Dr. Marcel Dihné
Funding institution:	University of Tübingen (AKF)
Funding period:	01/2013 – 12/2013
Awarded on:	March, 2012

CONFERENCES

Young Neurologists Summer School 2012
30.07.-03.08.2012
Scientific Coordinators: Prof. Dr. Holger Lerche, Dr. Tobias Wächter

51. Jahrestagung der Deutschen Gesellschaft für Epileptologie, Stuttgart
29.02.-03.03.2012
Scientific Coordinators: Prof. Dr. Holger Lerche, PD Dr. Yvonne Weber

Fortbildung Neurologie
12.05.2012
Scientific Coordinators: Prof. Dr. Thomas Gasser, Prof. Dr. Holger Lerche, Prof. Dr. Daniela Berg

Veranstaltung zum Tag der Epilepsie, Tübingen
23.10.2012
Scientific Coordinator: PD Dr. Yvonne Weber

STUDENT TRAINING

Lectures (Summer Term/Winter Term)

Genetic and Molecular Basis of Neural Diseases II: Channelopathies
Faculty: Graduate School of Cellular and Molecular Neuroscience
Coordinators: Prof. Dr. H. Lerche, Dr. S. Maljevic

Hauptvorlesung Neurologie
Faculty: Faculty of Medicine
Coordinators: Prof. Dr. H. Lerche, Prof. Dr. T. Gasser, Prof. Dr. U. Ziemann

TüKliS Klinisches pharmakologisches Fallseminar PJ-Unterricht
Faculty: Dept. of Neurology and Epileptology, Hertie Institute of Clinical Brain Research, Center of Neurology, University of Tübingen
Coordinator: Prof. Dr. H. Lerche

EEG-Seminar/Epilepsie-Fallbesprechung

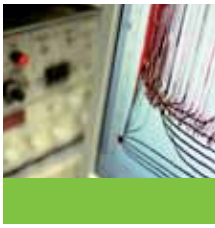
Faculty:	Dept. of Neurology and Epileptology, Hertie Institute of Clinical Brain Research, Center of Neurology, University of Tübingen
Coordinators:	Prof. Dr. H. Lerche, PD Dr. Y. Weber

Wissenschaftliches Kolloquium

Faculty:	Dept. of Neurology and Epileptology, Hertie Institute of Clinical Brain Research, Center of Neurology, University of Tübingen
Coordinator:	Prof. Dr. H. Lerche

Ringvorlesung Grundlagen der Neurobiologie – Teil I: Ion channels and disease

Faculty:	Bachelor-Studiengang Molekulare Medizin SS2012, Faculty of Medicine
Coordinator:	Dr. S. Maljevic



Promotionskolleg Ringvorlesung: Ion Channels and Epilepsy

Faculty:	Faculty of Medicine
Coordinators:	Prof. Dr. H. Lerche, Dr. S. Maljevic

Seminars and Courses

Mini-Fellowship AG Epilepsiechirurgie

Host:	Dr. N. Focke, PD Dr. M. Dihné. Dr. S. Maljevic, Dr. S. Klamer, Dr. U. Hedrich
Coordinator:	Dr. S. Rona, Prof. H. Lerche, PD Dr. Y. Weber

IPSC Journal Club

Host:	Dr. S. Maljevic, Dr. O. Rothfuss, B. Schmid
Coordinator:	Dr. S. Maljevic

LAB ROTATIONS

Winter Term 2012/2013

Elena I. Ilina

Effects of a novel antiepileptic drug – Retigabine – on KCNQ2 mutations associated with epileptic encephalopathies

Coordinator:	Dr. S. Maljevic

DEPARTMENT OF NEURODEGENERATIVE DISEASES

CLINICAL AND SCIENTIFIC STAFF

Head of the Department

Prof. Dr. Thomas Gasser

Group leaders/Attending physicians

Prof. Dr. Daniela Berg
Dr. Dr. Saskia Biskup
Prof. Dr. Philipp Kahle
Prof. Dr. Rejko Krüger
PD Dr. Walter Mätzler
Prof. Dr. Ludger Schöls
Dr. Tobias Wächter

Scientists/Residents

Dr. Anja Apel
PD Dr. Sorin Breit
Dr. Kathrin Brockmann
Andres Caballero
Michela Deleidi
Maik Engeholm
Dr. Julia Fitzgerald (since 05/2012)
Dr. Natalja Funk
Claudia Funke
Dr. Alexandra Gaenslen
Marta Garcia-Miralles
Dr. Sven Geisler
Dr. Jana Godau
Dr. Adriane Gröger
Dr. Kathrin Karle
Dr. Guido Krebiehl (until 04/2012)
Martin Kuss
Dr. Stefanie Lerche
Dr. Rajka Liscic
Dr. Carina Mielke
Dr. Jennifer Müller vom Hagen
Carolin Obermaier
Ekaterina Otroshchenko
Emmy Rannikko
Erik Riesch
Dr. Julia Schicks
Dr. Olga Scheck
Benjamin Schmid
David Schöndorf
Dr. Rebecca Schüle
Claudia Schulte

Dr. Manu Sharma
Dr. Karin Srulijes
Ulrike Sünkel
Dr. Matthis Synofzik
Catherine Thömmes
Dr. Daniel Weiss
Dr. Sarah Wiethoff
Dr. Isabel Wurster

Technical staff/Administration

Maren Albers
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Christian Deuschle
Christian Erhardt
Dr. Bettina Faust
Katharina Gauss
Christine Haaga
Tanja Heger
Mirjam Knöll
Tilman König
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Corina Maetzler
Petra Mech
Marita Munz
Dr. Angelika Oehmig
Clara Pless
Ina Posner
Jennifer Reichenbauer
Franziska Schiele
Caroline Schönfeld
Susanne Stimmler
Dr. Anna-Katharina v. Thaler
Yvonne Theurer
Stephanie Weber
Doris Wieder

Medical Doctoral Students

Annegret Abaza
Grammato Amexi
Gülsüm Baysal
Aline Beyle
Christian Bormann
Barbara Brändle
Steffen Brenner
Karl Friedrich Ermisch
Ellen Fehlert
Anne Feseker

DEPARTMENT OF NEURODEGENERATIVE DISEASES

Kathrin Fischerkeller
Amina Flinsbach
Hannah Glonneger
Katharina Greulich
Eva Grüner
Jochen Hallwachs
Madeleine Heim
Manon Herfurth
Carina Hemminger
Katharina Hinger
Malte Kampmeyer
Barbara Kattner
Sebastian Kleinhans
Rosa Klotz
Angela Kuhn
Lena Kuhn
Johannes Lang
Martin Linzner
Sinja Meyer
Katharina Müller
Suzanne Nathan
Maxim Nechyporenko
Theofanis Ngamsri
Senait Ogbamicael
Natalie Philipp
Friedrich Pieper
Deborah Prakash
Benjamin Roeben
Jens Rolinger
Eva Schäffer
David Schreibner
Sonja Schürger
Ellen Silberhorn
Nike Spinnler
Anne-Kathrin Stampf
Raphaela Stocker
Eva-Maria Strohmeier
Margarete Walach
Simon Weiss
Richard Wüst

Master Students

Katharina Stegen
Stefanie Vollmer

Diploma Students

Verena Malcherek
Johannes Trambauer

Neuropsychologists

Dr. Monika Fruhmann-Berger
Dr. Susanne Gräber-Sultan
Dr. Inga Liepelt-Scarfone

CLINICAL STUDIES

Adagio Studie TVP1012/501 + Extension: TVP Multi-Center, open-label, follow-up study designed to evaluate the long-term effects of Rasagiline in Parkinson's disease subjects who participated the ADAGIO-study.
Investigators: I. Wurster, D. Berg

Trust (Transdermal Rotigotine User Surveillance Study): A naturalistic, multisite, observational study of Rotigotine Transdermal Patch and other currently prescribed therapies in patients with Idiopathic Parkinson's Disease.
Investigators: K. Srulijes, D. Berg

Settle-Extension 28850: Open Label Trial of Determine the Long-Term Safety of Safinamide in Parkinson's Disease Patients.
Investigators: I. Wurster, D. Berg

CAFQ056A2217 (AFQ-Extension): A multi-center, randomized, double-blind, placebo-controlled Phase-III-study to assess the efficacy of AFQ056 in reducing L-dopa induced dyskinesias.
Investigators: K. Brockmann, I. Wurster, D. Berg

Motion-Extension 27938: A phase III, double-blind, placebo-contolled randomized trial to determine the efficacy and safety of a low (50mg/day) and high (100mg/day) dose of safinamide, as add-on-therapy, in subjects with early idiopathic Parkinson's Disease treated with a stable dose of a single dopamine agonist.
Investigators: I. Wurster, D. Berg

Phytopharm – Cogane™ (PYM50028): Eine multizentrische Studie, randomisierte, doppelblinde, placebokontrollierte Phase-II-Parallelgruppenstudie zur Beurteilung der Wirksamkeit, Sicherheit und Verträglichkeit von CoganeTM (PYM50028), einem neuen, oral aktiven Induktor neurotropher Faktoren, bei männlichen und weiblichen Studienteilnehmern mit Morbus Parkinson im Frühstadium bei 28-wöchiger, einmal täglicher Verabreichung.
Investigators: K. Brockmann, I. Wurster, D. Berg

SP 1009 Aurora-Neupro® RLS Augmentation – Nicht interventionelle Studie
Investigator: D. Berg

AQW051A2209: A multi-center, randomized, double-blind, placebo-controlled, parallel-group, multiple oral dose study to assess the efficacy and tolerability of AQW051 in reducing L-dopa induced dyskinesias in Parkinson's patients with moderate to severe L-dopa induced dyskinesias.
Investigators: K. Srulijes, D. Berg

DEPARTMENT OF NEURODEGENERATIVE DISEASES

PSP – Noscira: A Randomized, double-blind, placebo-controlled pararallel-group-Study to evaluate the Safety, Tolerability and Efficacy of two different oral doses of NP031112, a GSK-Inhibitor, versus placebo in the Treatment of patients with mild to moderate progressive supranuclear palsy.
Investigators: K. Srulijes, W. Mätzler, D. Berg

BIA: Efficacy and safety of BIA 9-1067 in idiopathic Parkinson's disease patients with "wearing-off" phenomenon treated with levodopa plus a dopa carboxylase inhibitor (DDCI): a double-blind, randomized, placebo- and active-controlled, parallel-group, multicenter clinical study.
Investigators: D. Berg, K. Brockmann, K. Srulijes, I. Wurster

EarlyStim: The Effect of Deep Brain Stimulation of the Subthalamic Nucleus (STN-DBS) on Quality of Life in Comparison to Best Medical Treatment in Patients with Complicated Parkinson's Disease and Preserved Psychosocial Competence.
Investigators: G. Deuschl, R. Krüger

A Randomized, Double-Blind, Double-Dummy, Efficacy, Safety and Tolerability Study of Levodopa – Carbidopa Intestinal Gel in Levodopa-Responsive Parkinson's Subjects.
Investigator: R. Krüger

Open-Label, 12-Month Safety and Efficacy Study of Levodopa – Carbidopa Intestinal Gel in Levodopa-Responsive Parkinson's disease Subjects.
Investigator: R. Krüger

Combined stimulation of subthalamic nucleus and substantia nigra pars reticulata for the treatment of refractory gait disorders in Parkinson's disease.
Investigators: R. Krüger, D. Weiss

Global longterm registry of Levodopa-Carbidopa Intestinal Gel in Levodopa-Responsive Parkinson's disease Subjects.
Investigator: R. Krüger

Wirksamkeit und Sicherheit der Tiefen Hirnstimulation des Nucleus pedunculopontinus zur Behandlung von Parkinson-Patienten mit ausgeprägter Gangstörung.
Investigators: S. Breit, R. Krüger, A. Gharabaghi, C. Plewnia

Functional electrical stimulation in hereditary spastic paraplegia.
Investigators: R. Schüle, S. Wiethoff, K. Karle, L. Schöls

A phase III open-label, single-group extension study to obtain long-term safety and tolerability of idebenone in the treatment of Friedreich's ataxia patients (PROTI).
Investigators: J. Müller vom Hagen, L. Schöls

Randomized, double blind, placebo controlled study of Lu AA24493 in patients with Friedreich's ataxia to evaluate safety and tolerability and to explore efficacy (CEPO Phase IIa).
Investigators: T. Lindig , J. Müller vom Hagen, L. Schöls

A multi-center, randomized, double blind, placebo controlled, parallel group, multiple oral dose titration, proof of concept study in patients with Huntington's disease to assess the safety and tolerability of AFQ056 in reducing chorea.
Investigators: T. Lindig , J. Müller vom Hagen, L. Schöls

Tower Study: Prospective, open-label, non-randomized, single-arm, multi-center dose titration study to investigate the safety and efficacy of NT 201 in subjects deemed to require total body doses of 800 U of NT 201 during the course of the study for the treatment of upper and lower limb spasticity of the same body side due to cerebral causes. MRZ60201_3053_1 .
Investigators: T. Wächter, K. Schweitzer

A phase III, randomised, double blind and open label phase, active and placebo controlled study comparing the short term efficacy of two formulations of clostridium botulinum type A toxin (Dysport and Dysport RU) to placebo, and assessing the short and long term efficacy and safety of Dysport RU following repeated treatments of subjects with cervical dystonia (CD). IPSEN N°Y-52-52120-134.
Investigators: T. Wächter, K. Brockmann

A phase III, multicentre, double blind, randomised, placebo-controlled, parallel-group study with an open-label extension of the safety and efficacy of Botox (Botulinum Toxin Type A) purified neurotoxin complex as treatment for post-stroke spasticity of the lower limb.
Investigators: T. Wächter, K. Schweitzer

Y-79-52120-166: An international observational prospective Study on long-term response to Botulinum toxin type A (BoNT-A) injections in subjects suffering from idiopathic cervical dystonia (CD) – pharmaco-economic impact (INTEREST IN CD2).
Investigators: T. Wächter

A94-52120-165: Eine nationale, multizentrische, nicht-interventionelle, prospektive, Längsschnittstudie zur Behandlung mit Botulinumtoxin A Injektionen in bisher nicht behandelten oder vorbehandelten Patienten mit zervikaler Dystonie (Dysport®).
Investigator: T. Wächter

THIRD-PARTY FUNDING

Ongoing Grants

Adagio Studie TVP1012/501 (Extension)

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	TEVA
Funding period:	10/2009 – 12/2012
Awarded on:	October 31, 2011

TRUST – Beobachtungsstudie SP0948 (Transdermal Rotigotine User Surveillance Study)

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	UCB
Funding period:	01/2010 – 12/2012
Awarded on:	July 14, 2010

DEPARTMENT OF NEURODEGENERATIVE DISEASES

Settle-Extension 28850 – Open Label Trial of Determine the Long-Term Safety of Safinamide in Parkinson's Disease Patients

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Merck Serono
Funding period:	01/2011 – 01/2014
Awarded on:	August 02, 2010

CAFQ056A2217 in dyskinetic Parkinson's disease patients (AFQ-Extension)

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Novartis
Funding period:	12/2010 – 12/2014
Awarded on:	September 17, 2010

Motion Extension 27938: A phase III, double-blind, placebo-controlled randomized trial to determine the efficacy and safety of a low (50mg/day) and high (100mg/day) dose of safinamide, as add-on-therapy, in subjects with early idiopathic Parkinson's Disease treated with a stable dose of a single dopamine agonist.

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Merck Serono
Funding period:	02/2011 – 10/2012
Awarded on:	January 29, 2012

PSP-Noscira – NP031112 bei PSP

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Noscira
Funding period:	12/2009 – 12/2012
Awarded on:	December 8, 2009

Phytopharm – Cogane™ (PYM50028)

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Icon
Funding period:	09/2010 – 12/2012
Awarded on:	May 18, 2011

SP 1009 Aurora – Neupro® RLS Augmentation – multizentrische, nicht interventionelle Studie (NIS)

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	UCB
Funding period:	07/2011 – 12/2013
Awarded on:	June 27, 2011

AQW051A2209

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Novartis
Funding period:	07/2011 – 12/2012
Awarded on:	August 10, 2011

MJFF Research Grant 2010: Longitudinal Follow Up of Clinical and Neuroimaging Signs as well as Biomarkers in Symptomatic and Asymptomatic LRRK2 Mutation Carriers in comparison to Idiopathic PD and Controls.

Project leader:	Prof. Dr. Daniela Berg, Prof. Dr. Thomas Gasser
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	06/2011 – 06/2013
Awarded on:	January 24, 2011

dPV Fellowship Projekt 2011/2012

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Deutsche Parkinson Vereinigung (dPV)
Funding period:	07/2011 – 06/12
Awarded on:	July 5, 2011

Progression markers in the suspected premotor phase and early Parkinson's disease, 2nd Amendment

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Johnson & Johnson
Funding period:	12/08 – 12/12
Awarded on:	December 5, 2008 (Amendment: July 4, 2011)

Biomarker Pilot Study

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Boehringer Ingelheim
Funding period:	10/2011 – 03/2012
Awarded on:	September 13, 2011

Q-Motor-Projekt

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Novartis
Funding period:	11/2011 – 03/2012
Awarded on:	November 07, 2011

Pool-Projekt 2010-18: Autonomic end organ responses and disease-associated genetic profile in subjects with and without increased risk for Alzheimer's and Parkinson's disease.

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Werner Reichardt Centre for Integrative Neuroscience (CIN)
Funding period:	10/2011 – 09/2012
Awarded on:	May 13, 2011

Pool-Projekt 2010-19: Magnetic resonance spectroscopic imaging; MRSI; substantia nigra; Parkinson's disease

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Werner Reichardt Centre for Integrative Neuroscience (CIN)
Funding period:	07/2011 – 06/2012
Awarded on:	May 13, 2011

DEPARTMENT OF NEURODEGENERATIVE DISEASES

Prämotor Studie: Prospektive Kohortenstudie zur Bestimmung von Prämotor- und Risikofaktoren bei Morbus Parkinson

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	TEVA
Funding period:	01/2012 – 12/2012
Awarded on:	December 29, 2011

MARK-MD, IAPP

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	EU
Funding period:	03/2010 – 03/2012
Awarded on:	November 20, 2009

PPMI – The Parkinson's Progression Markers Initiative

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	03/2010 – 03/2015
Awarded on:	March 23, 2010

PPMI – The Parkinson's Progression Markers Initiative – 4th Amendment

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	01/2012 – 12/2013
Awarded on:	September 22, 2011

DEMPARK – Parkinsonkrankheit und Demenz: longitudinale Studie

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Philipps-University, Marburg
Funding period:	01/10 – 12/12
Awarded on:	January 2010

Funktionelle Charakterisierung der Kinase LRRK2 (BI 1210/4-1)

Project leader:	Dr. Dr. Saskia Biskup
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	07/2009 – 07/2012

LRRK2 an der Schnittstelle von Apoptose und Proliferation

Project leader:	Dr. Dr. Saskia Biskup
Funding institution:	Thyssen
Funding period:	09/2010 – 09/2012

Development of LRRK2 BAC transgenic rats

Project leader:	Dr. Dr. Saskia Biskup and Prof. Dr. Olaf Riess
Funding institution:	European Project on Mendelian Forms of Parkinson's Disease (MeFoPa)
Funding period:	04/2010 – 04/2013

Macrophage Precursors as biomarker für LRRK2-associated disease

Project leader:	Dr. Dr. Saskia Biskup and Prof. Dr. Thomas Gasser
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	11/2010 – 11/2012

Scientific Administrative Office, subproject 1, "Genomics of Parkinson's Disease", Parkinson Network, National Genome research Network (NGFN-Plus)

Project leader:	Prof. Dr. Thomas Gasser
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	06/2011 – 05/2013
Awarded on:	May 20, 2011

Genomics of Parkinson's Disease, subproject 2, Parkinson Network, National Genome research Network (NGFN-Plus)

Project leader:	Prof. Dr. Thomas Gasser
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	06/2011 – 05/2013
Awarded on:	May 20, 2011

Clinic and genetics of Parkinson's disease: Helmholtz alliance for mental health in an ageing society (HelMA)

Project leader:	Prof. Dr. Thomas Gasser
Funding institution:	Helmholtz Association
Funding period:	07/08 – 06/12
Awarded on:	May 05, 2008

Identification of genes causing familial forms of Parkinson's disease: ERA-Net NEURON

Project leader:	Prof. Dr. Thomas Gasser
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	03/09 – 08/12
Awarded on:	April 07, 2009

MeFoPa-Registry and -Biobank: Mendelian Forms of Parkinson's disease

Project leader:	Prof. Dr. Thomas Gasser
Funding institution:	EU
Funding period:	04/10 – 03/13
Awarded on:	March 22, 2010

DEPARTMENT OF NEURODEGENERATIVE DISEASES

Die Bedeutung von DJ-1 bei der Regulation mitochondrialer Dynamik und Autophagie in murinen und humanen neuronalen Modellen der Parkinson Krankheit

Project leader:	Prof. Dr. Rejko Krüger, Prof. Dr. Thomas Gasser
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	05/2012 – 04/2015
Awarded on:	September 9, 2011

Functional Genomics of Parkinson's Disease

Project leader:	Prof. Dr. Philipp Kahle
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	06/2008 – 05/2013

Helmholtz Alliance for Mental Health in an Aging Society

Project leader:	Prof. Dr. Philipp Kahle
Funding institution:	Helmholtz Association
Funding period:	07/2008 – 06/2012

NEURASYN Academic-Industrial Training Network on α-Synuclein-related Brain Diseases

Project leader:	Prof. Dr. Philipp Kahle
Funding institution:	EU FP7
Funding period:	11/2009 – 10/2013

Mendelian Forms of Parkinsonism (MeFoPa)

Project leader:	Prof. Dr. Philipp Kahle (coordinator, recessive PARK genes)
Funding institution:	EU FP7
Funding period:	04/2010 – 03/2013

Novel Target Genes of TDP-43

Project leader:	Prof. Dr. Philipp Kahle
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	04/2010 – 03/2013

Competence Net Degenerative Dementias – Frontotemporal Dementias

Project leader:	Prof. Dr. Philipp Kahle (Project Coordinator)
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	02/2011 – 01/2014

Virtual Institute „RNA Dysfunction in ALS and FTD" (startup funding)

Project leader:	Prof. Dr. Philipp Kahle
Funding institution:	German Center for Neurodegenerative Diseases (DZNE)
Funding period:	12/2011 – 08/2012

Identification of early biomarkers of Parkinson's Disease

Project leader:	Prof. Dr. Rejko Krüger
Funding institution:	Boehringer-Ingelheim
Funding period:	09/2011 – 08/2012

Characterization of mitochondrial dynamics

Project leader:	Prof. Dr. Rejko Krüger
Funding institution:	Boehringer-Ingelheim
Funding period:	09/2011 – 08/2012

Wirksamkeit und Sicherheit der Tiefen Hirnstimulation des Nucleus pedunculopontinus zur Behandlung von Parkinson-Patienten mit ausgeprägter Gangstörung

Project leader:	Prof. Dr. Rejko Krüger, Dr. Sorin Breit, Dr. Alireza Gharabaghi, Apl. Prof. Dr. Christian Plewnia
Funding institution:	Faculty of Medicine (AKF), University of Tübingen
Funding period:	12/2009 – 06/2012

Polyglutamine repeats and Parkinson disease

Project leader:	Prof. Dr. Rejko Krüger, M. Sharma, Prof. Dr. Thomas Gasser
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	03/2012 – 02/2013

Funktionelle Charakterisierung der Bedeutung von Mutationen im Omi/HtrA2-Gen im Rahmen gestörter mitochondrialer Funktion und Dynamik bei der Parkinson-Krankheit

Project leader:	Prof. Dr. Rejko Krüger
Funding institution:	Deutsche Forschungsgemeinschaft (DFG; KR2119/3-2)
Funding period:	08/1200 – 08/2013

Mitochondrial stress response in neurodegeneration and aging – dissection of Omi/HtrA2 and DJ-1 mediated signaling pathways

Project leader:	Prof. Dr. Rejko Krüger
Funding institution:	Federal Ministry of Education and Research (BMBF) (NGFNplus Verlängerung Bund 01GS0468)
Funding period:	06/2011 – 05/2013

Die Bedeutung des Parkinson-assoziierten Proteins Mortalin im Rahmen mitochondrialer Signalwege der Neurodegeneration

Project leader:	Prof. Dr. Rejko Krüger
Funding institution:	Fritz-Thyssen-Stiftung (AZ: 10.11.2.153)
Funding period:	08/2011 – 07/2013

DEPARTMENT OF NEURODEGENERATIVE DISEASES

Die Bedeutung von Dj-1 bei der Regulation mitochondrialer Dynamik und Autophagie in murinen und humanen neuronalen Modellen der Parkinson-Krankheit

Project leader:	Prof. Dr. Rejko Krüger, Prof. Dr. Thomas Gasser
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	08/2011 – 07/2014

Combined stimulation of subthalamic nucleus and substantia nigra pars reticulata for the treatment of refractory gait disorders in Parkinson's disease: design of a two-armed double-blind cross-over study

Project leader:	Dr. Daniel Weiss
Funding institution:	Medtronic
Funding period:	06/2011 – 06/2012

Neuronale Integration von Koordination der unteren Extremität bei Parkinson-Patienten mit tiefer Hirnstimulation

Project leader:	Dr. Daniel Weiss
Funding institution:	Faculty of Medicine (AKF-259-0-0), University of Tübingen
Funding period:	04/2011 – 03/2012

The neuromuscular network of freezing of gait in Parkinson's disease

Project leader:	Prof. Dr. Rejko Krüger
Funding institution:	St. Jude Medical
Funding period:	12/2012 – 11/2013

Wirksamkeit und Sicherheit der Tiefen Hirnstimulation des Nucleus pedunculopontinus zur Behandlung von Parkinson-Patienten mit ausgeprägter Gangstörung

Project leader:	Dr. Sorin Breit, Prof. Dr. Rejko Krüger, Prof. Dr. A. Gharabaghi, Prof. Dr. C. Plewnia
Funding institution:	Faculty of Medicine (AKF)
Funding period:	01/2011 – 12/2012

Wirksamkeit und Sicherheit der Tiefen Hirnstimulation des Nucleus pedunculopontinus zur Behandlung von Parkinson-Patienten mit ausgeprägter Gangstörung

Project leader:	Dr. Sorin Breit, Prof. Dr. A. Gharabaghi
Funding institution:	Medtronic
Funding period:	07/2009 – 06/2012

Ambulanz für Bewegungsstörungen: Lebensqualität bei Behandlung mit Botulinumtoxin

Project leader:	Dr. Tobias Wächter
Funding institution:	Merz Pharmaceuticals
Funding period:	10/2011 – 09/2012

Quality of life in patients treated with Botulinumtoxin

Project leader:	Dr. Tobias Wächter
Funding institution:	Merz Pharmceuticals
Funding period:	07/2011 – 06/2012
Awarded on:	August 24, 2011

Retrospective comparison of Botuliumtoxintreatment in patients with cervical dystonia

Project leader:	Dr. Tobias Wächter
Funding institution:	Pharm Allergan
Funding period:	11/2011 – 06/2012
Awarded on:	November 17, 2011

Datenerhebung bei zervikaler Dystonie

Project leader:	Dr. Tobias Wächter
Funding institution:	Pharm Allergan
Funding period:	11/2011 – 05/2012

LEUKONET: Phenotypic variability, natural history and progression markers of late-onset leukodystrophies

Project leader:	Prof. Dr. Ludger Schöls
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	01/2009 – 04/2012
Awarded on:	February 3, 2009

mitoNET: Fission and fusion in mitochondrial diseases

Project leader:	Prof. Dr. Ludger Schöls / Prof. Dr. Doron Rapaport
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	01/2009 – 01/2015
Awarded on:	May 14, 2012

RISCA: Prospective study of individuals at risk for spinocerebellar ataxias type 1, 2, 3 and 6

Project leader:	Prof. Dr. Ludger Schöls
Funding institution:	EU
Funding period:	05/2008 – 04/2012
Awarded on:	April 25, 2008

EUROSPA: European network on spastic paraplegias

Project leader:	Prof. Dr. Ludger Schöls, PD Dr. Peter Bauer
Funding institution:	EU
Funding period:	06/2008 – 03/2012
Awarded on:	June 13, 2008

DEPARTMENT OF NEURODEGENERATIVE DISEASES

Genetic disorders in Arab societies of Israel and the Palestinian Authorities

Project leader:	Prof. Dr. Ludger Schöls
Funding institution:	Deutsche Forschungsgemeinschaft (DFG 754/5-1)
Funding period:	05/2011 – 04/2013
Awarded on:	February 14, 2011

Genetische Grundlagen der Hereditären Spastischen Spinalparalysen

Project leader:	Dr. Rebecca Schüle, Prof. Dr. Ludger Schöls
Funding institution:	HSP-Selbsthilfegruppe Deutschland e.V.
Funding period:	04/2011 – 03/2013
Awarded on:	February 28, 2011

Nosology and molecular diagnosis of the degenerative recessive ataxias (EUROSCAR)

Project leader:	Prof. Dr. Ludger Schöls, PD Dr. Peter Bauer
Funding institution:	EU
Funding period:	05/2012 – 04/2015
Awarded on:	December 5, 2011

New Grants

AQW051A2209 – 1st Amendment

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Novartis
Funding period:	07/2011-12/2012
Awarded on:	July 5, 2012

AQW051A2209 – 2nd Amendment

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Novartis
Funding period:	10/2012 – 09/2013
Awarded on:	September 24, 2012

BIA – 91067-301 - Amendment

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Scope International
Funding period:	04/2012 – 04/2013
Awarded on:	March 12, 2012

Landscape

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Philipps-University, Marburg
Funding period:	04/2011 – 03/2014
Awarded on:	February 16, 2012

NIC-PD

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Philipps-University Marburg
Funding period:	01/2012 – 12/2017
Awarded on:	February 23, 2012

DAT-Imaging in LRRK2 Gene Carriers

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Institute of Neurodegenerative Disorders, New Haven
Funding period:	01/2012 – 01/2013
Awarded on:	March 23, 2012

MJFF Research Grant 2012 "LRRK2 Mutations and Cancer Risk

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	06/2012 – 05/2014
Awarded on:	May 2, 2012

Inclusion of Resting State MRI: A Parkinson's Progression Markers Initiative (PPMI) Substudy

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	07/2012 – 12/2016
Awarded on:	July 3, 2012

PPMI Amendment: Cognitive Categorization Assessment

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	07/12 – 12/16
Awarded on:	July 3, 2012

PPMI Amendment Additional PD Subjects

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	07/2012 – 12/2016
Awarded on:	July 19, 2012

PPMI – Data Entry Award (second quarter 2012)

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	03/2012 – 06/2012
Awarded on:	July 16, 2012

DEPARTMENT OF NEURODEGENERATIVE DISEASES

PPMI – Data Entry Award (third quarter 2012)

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	07/2012 – 09/2012
Awarded on:	December 5, 2012

MJFF Research Grant 2011: Gait and Motor Symptoms in healthy asymptomatic relatives of Patients with PD carriers of Mutations in the LRRK2 gene

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	09/2012 – 08/2014
Awarded on:	September 26, 2012

Progression Markers in the suspected premotor phase and early Parkinson's Disease – Amendment 3

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Johnson & Johnson
Funding period:	10/2012 – 12/2014
Awarded on:	October 30, 2012

dPV Fellowship Projekt 2012/2013

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Deutsche Parkinson Vereinigung (dPV)
Funding period:	07/2012 – 06/2013
Awarded on:	September 13, 2012

MDS-UPDRS

Project leader:	Prof. Dr. Daniela Berg
Funding institution:	Philipps-University, Marburg
Funding period:	06/2011 – 12/2012
Awarded on:	November 22, 2012

OPTIMED

Project leader:	Prof. Daniela Berg
Funding institution:	BMWi
Funding period:	11/2012 – 10/2014
Awarded on:	June 26, 2012

LRRK2: Protein interaction network analysis and pathway modeling for LRRK2

Project leader:	Prof. Dr. Thomas Gasser
Funding institution:	Michael J. Fox Foundation for Parkinson's Research
Funding period:	06/2012 – 05/2015
Awarded:	March 26,2012

Virtual Institute: RNA Dysmetabolism in ALS and FTD (VH-VI-510)

Project leader:	Prof. Dr. Philipp Kahle
Funding institution:	German Center for Neurodegenerative Diseases (DZNE)
Funding period:	10/2012 – 09/2017
Awarded on:	September 14, 2012

Integrated european omics research project for diagnosis and therapy in rare neuromuscular and neurodegenerative diseases

Project leader:	Prof. Dr. Ludger Schöls
Funding institution:	EU FP7 grant 305121
Funding period:	10/2012 – 09/2017
Awarded on:	September 2012

27-Hydroxy-Sterol-Toxizität in der Pathophysiologie der SPG5

Project leader:	Prof. Dr. Ludger Schöls
Funding institution:	HSP-Selbsthilfegruppe Deutschland e.V.
Funding period:	04/2012 – 03/2013
Awarded on:	March 27, 2012

SENSE-PARK: Supporting and Empowering Parkinson patients in their home environment using a novel sensory information system that monitors daily-life-relevant parameters of Parkinson disease and their change.

Project leader:	PD Dr. Walter Maetzler
Funding institution:	EU FP7
Funding period:	11/2011 – 10/2014

Moving beyond

Project leader:	PD Dr. Walter Maetzler
Funding institution:	EU FP7
Funding period:	10/2012 – 09/2016

Development of a screening tool for the treatment of chronic migraine with Botulinumtoxin

Project leader:	Dr. Tobias Wächter
Funding institution:	Pharm Allergan
Funding period:	12/2012 – 12/2013
Awarded on:	December 13, 2012

AWARDS

Dr. Matthis Synofzik
Heredo-Ataxie-Preis 2012 der Deutschen Heredo-Ataxie-Gesellschaft (DHAG)

DEPARTMENT OF NEURODEGENERATIVE DISEASES

PHD THESES (COMPLETED IN 2012)

Applicant: Heinrich Schell

Characterization and behavioral consequences of α-synucleinopathy in transgenic mice
Supervisor: Prof. Dr. Philipp Kahle
Faculty: Department of Biology, Faculty of Science, University of Tübingen

Applicant: Petra Füger

The Drosophila neuromuscular junction as a model system to study the molecular mechanisms of neurodevelopment and synaptic degeneration
Supervisor: Prof. Dr. Ludger Schöls
Faculty: Faculty of Medicine, Faculty of Sciences, University of Tübingen

MEDICAL THESES (COMPLETED IN 2012)

Applicant: Sarah Bauer
Association between clinical aspects and electronystagmography in different subtypes of progressive supranuclear palsy.
Supervisor: Prof. Dr. Daniela Berg

Applicant: Dorothea Baumann
Korrelation bildgebender Befunde und präklinischer Marker bei Morbus Parkinson
Supervisor: Prof. Dr. Daniela Berg

Applicant: Marianna Bentele
Charakterisierung von Gruppen mit unterschiedlicher Substantia nigra Echogenität in der Transkraniellen Sonographie
Supervisor: Prof. Dr. Daniela Berg

Applicant: Elisabeth Dietzel
Structural differences between two subtypes of progressive supranuclear palsy in the MRI: A voxel-based morphometric study with association to clinical aspects
Supervisor: Prof. Dr. Daniela Berg

Applicant: Katharina Knauel
Insulin-like growth factor 1 als Biomarker für Morbus Parkinson
Supervisor: Prof. Daniela Berg

Applicant: Caroline Merten
Evaluation motorischer sowie nicht-motorischer Symptome bei Parkinson Patienten mit heterozygoter GBA-Mutation im Vergleich zu Patienten mit idiopathischem Parkinson Syndrom
Supervisor: Prof. Dr. Daniela Berg

Applicant: Andreas Meyer
Echogenitätsveränderungen der Basalganglien in der transkraniellen Sonographie bei Patienten mit zervikalen Bandscheibenvorfällen
Supervisor: Prof. Dr. Daniela Berg

Applicant: Caroline Urban
Bewegungsanalytische Untersuchung von Probanden mit unterschiedlicher Echogenität der Substantia nigra im transkraniellen Ultraschall – ein Gruppenvergleich
Supervisor: Prof. Dr. Daniela Berg

Applicant: Dr. Vera Katharina Siegert
Störungen des axonalen Transports bei der hereditären spastischen Spinalparalyse im Drosophila-Modell
Supervisor: Prof. Dr. Ludger Schöls

Applicant: Marie Karam
Quantitative autonome Parameter beim Idiopathischen Parkinsonsyndrom: Potential für Verlaufsdarstellung
Supervisor: PD Dr. Walter Maetzler

Applicant: Johannes Georg Stirnkorb
Amyloid-beta-assoziierte Stoffwechselwege und kognitive Einschränkungen bei Lewy-Körper-Erkrankungen: Ein genetisch-klinisch-biochemischer Ansatz
Supervisor: PD Dr. Walter Maetzler

Applicant: Sinja Irina Meyer
Gleichgewichtsverhalten bei Risikopatienten für die Parkinson-Erkrankung
Supervisor: PD Dr. Walter Maetzler

DIPLOMA/MASTERS THESES (COMPLETED IN 2012)

Applicant: Stephanie Baur
Transthyretin als Biomarker für Lewy-Körper Erkrankungen: Eine Fall-Kontroll-Studie mit Gensequenzierung und Proteinmessung in Liquor und Serum
Supervisor: Prof. Dr. Daniela Berg

Applicant: Johannes Trambauer
Expression and Purification of ASK1 and the PD-linked protein DJ-1
Supervisor: Prof. Dr. Philipp Kahle
Faculty: Interfaculty Institute for Biochemistry, University of Tübingen

Applicant: Stefanie Vollmer
Regulation of Parkin Ubiquitin Ligase Activity by E2 Co-enzymes
Supervisor: Prof. Dr. Philipp Kahle
Faculty: Biomedical Engineering, University of Albstadt-Sigmaringen

DEPARTMENT OF NEURODEGENERATIVE DISEASES

CONFERENCES

Workshop "Transcranial Sonography (TCS) in Parkinsonian Syndromes", 2012
University Hospital Tübingen, Neurology, 24.-25.09.2012
Scientific Coordinator: Prof. D. Berg

Tübinger Therapiefortbildung Neurologie
University Hospital Tübingen, Neurology, 12.05.2012
Scientific Coordinator: Prof. D. Berg

Süddeutsches Stimulatortreffen
Odelzhausen, 14.-15.04.2012
Scientific Coordinators: Dr. T. Wächter, Prof. R. Krüger

Parkinson-Infotag
Tübingen, 02.10.2012
Scientific Coordinator: Prof. R. Krüger

Qualitätszirkel Parkinson Württemberg
Stuttgart, 19.11.2012
Scientific Coordinator: Prof. R. Krüger, Dr. Herbst

Süddeutsches Stimulatortreffen
Odelzhausen, 27.-28.04.2012
Scientific Coordinators: Dr. T. Wächter

Tübinger Summer School für Junge Neurologen
Tübingen, 30.7.-03.8.2012
Scientific Coordinators: Dr. T. Wächter, Prof. H. Lerche

Expertentreffen zu Dystonie und Botulinumtoxintherapie
Tübingen, 14.03.2012
Scientific Coordinator: Dr. T. Wächter

Expertentreffen zu Dystonie und Botulinumtoxintherapie
Tübingen, 09.10.2012
Scientific Coordinator: Dr. T. Wächter

Hand-on-training Botox for chronic Migraine
Tübingen, 16.07.2012
Scientific Coordinator: Dr. T. Wächter

Hand-on-training Botox for chronic Migraine
Tübingen, 29.11.2012
Scientific Coordinator: Dr. T. Wächter

Genetic Disorders in Arab Societies of Israel and the Palestinian Authorities
Jerusalem, Israel, 29.01.-01.02.2012
Scientific Coordinator: Prof. L. Schöls

STUDENT TRAINING

Lectures (Summer Term/Winter Term)

Introduction to Clinical Neurology (Summer Term/Winter Term)
Faculty: Medical School
Coordinators: Prof. D. Berg, PD F. Bischof

Neurologische Untersuchung für Fortgeschrittene
Faculty: Faculty of Medicine, University of Tübingen
Coordinators: Prof. T. Gasser, PD W. Maetzler, Prof. R. Krüger, Prof. L. Schöls

Einführung in die klinische Medizin (Neurologie)
Faculty: Medical Faculty
Coordinators: Prof. T. Gasser, PD F. Bischof, Prof. A. Melms

Genetic and Molecular Basis of Neural Diseases I
Faculty: Faculty of Medicine, University of Tübingen
Coordinators: Prof. T. Gasser, Prof. M. Jucker, Prof. L. Schöls, Prof. F. Baumann

Geriatrisch-neurologische-psychiatrische Fallkonferenz
Faculty: Faculty of Medicine, University of Tübingen
Coordinators: PD W. Maetzler, Appl. Prof. T. Leyhe, Prof. T. Gasser, Dr. T. Wächter

Vorlesung Grundlagen der Neurologie
Faculty: Faculty of Medicine, University of Tübingen
Coordinators: Prof. T. Gasser, Prof. A. Melms

Modul Neurobiologie
Faculty: Faculty of Medicine, University of Tübingen
Coordinators: Prof. T. Gasser, Prof. H. Lerche, Dr. S. Maljevic, Prof. A. Melms, Dr. U. Naumann, Prof. B. Wissinger

Neurochemistry and Neurotransmitters (full winter term)
Faculty: Graduate School of Cellular and Molecular Neurosciences
Coordinator: Prof. P. Kahle, Lecturer

DEPARTMENT OF NEURODEGENERATIVE DISEASES

Biochemistry II (1 wk Block Hormones)
Faculty: Faculty of Medicine, University of Tübingen
Coordinator: Prof. P. Kahle, Lecturer

Neurobiochemistry (Ring Lecture)
Faculty: Molecular Medicine
Coordinator: Prof. P. Kahle, Lecturer

Genetic and Molecular Basis of Neural Diseases
Faculty: Graduate School of Cellular and Molecular Neuroscience
Coordinator: Prof. M. Jucker

Parkinson für Pharmazeuten
Faculty: Faculty of Pharmacology, University of Tübingen
Coordinator: Prof. P. Ruth

Neurogenetic Disorders
Faculty: Summer School of Young Neurologists
Coordinator: Prof. H. Lerche

Seminars and Courses

Neurology Seminar and Bedside Teaching (Summer Term/Winter Term)
Host: Medical School
Coordinators: Prof. D. Berg, PD F. Bischof, Prof. T. Haarmeier, Prof. R. Krüger, Prof. L. Schöls, PD Y. Weber and staff of the Departments of General Neurology and Neurodegenerative Diseases

TüKliS "Treatment of Neurological Disorders" (Summer Term/Winter Term)
Host: Medical School
Coordinators: Prof. D. Berg, PD Bischof, Prof. T. Haarmeier, Prof. R. Krüger, Prof. A. Melms, Prof. L. Schöls, PD Y. Weber, Prof. T. Gasser, Prof. H. Lerche, Prof. H.-O. Karnath

Bedside teaching in the final year of medical studies (Summer Term/Winter Term)
Host: Medical School
Coordinators: Prof. D. Berg, PD Bischof, Prof. T. Haarmeier, Prof. R. Krüger, Prof. A. Melms, Prof. L. Schöls, PD Y. Weber, Prof. T. Gasser, Prof. H. Lerche, Prof. H.-O. Karnath

Neurobiologisches Montagskolloquium (Summer Term/Winter Term)
Host: Medical School
Coordinators: Prof. D. Berg, PD Bischof, Prof. T. Haarmeier, Prof. R. Krüger, Prof. A. Melms, Prof. L. Schöls, PD Y. Weber, Prof. T. Gasser, Prof. H. Lerche, Prof. H.-O. Karnath

Neurologischer Untersuchungskurs
Coordinators: Prof. T. Gasser, Prof. A. Melms, Prof. H. Lerche , Prof. U. Ziemann

Neurologische Untersuchung für Fortgeschrittene
Coordinators: Prof. T. Gasser, Prof. R. Krüger, PD W. Maetzler, Prof. L. Schöls

Geriatrisch-neurologisch-psychiatrische Fallkonferenz
Coordinators: Prof. D. Berg, Prof. G. Eschweiler, Prof. T. Gasser, Prof. T. Leyhe, PD Dr. W. Maetzler, Dr. T. Wächter

Wissenschaftliches Kolloquium
Coordinators: Prof. T. Gasser, Prof. A. Melms, Prof. H. Lerche, Prof. P. Thier, Prof. M. Jucker, Prof. R. Krüger, Prof. U. Ziemann

Pathologische oszillatorische Aktivität bei Bewegungsstörungen: Pathophysiologische Konzepte und klinische Implikationen
Host: Prof. L. Timmermann
Coordinator: Prof. R. Krüger

Behandlung der Carotisstenosen: operativ versus endovaskulär
Host: Prof. T. Haarmeier
Coordinator: Prof. R. Krüger

Die klinische Variabilität der Glucose-Transporter-Typ-1-Syndrome
Host: PD Dr. Y. Weber
Coordinator: Prof. R. Krüger

Frühdiagnostik Neurodegenerativer Erkrankungen
Host: Prof. D. Berg
Coordinator: Prof. R. Krüger

Neuropsychologische Aspekte von Stress und Lampenfieber
Host: PD Dr. W. Maetzler
Coordinator: Prof. R. Krüger

Translational Implications of alpha-Synuclein Research
Host: Prof. D. Di Monte
Coordinator: Prof. R. Krüger

Neues zu den muskulären Kanalopathien
Host: Prof. F. Lehmann-Horn
Coordinator: Prof. R. Krüger

Vorhofohrverschluss – Alternative zur Antikoagulation?
Host: May
Coordinator: Prof. R. Krüger

Functional Imaging in the Epilepsies
Host: Prof. M. Richardson
Coordinator: Prof. R. Krüger

DEPARTMENT OF NEURODEGENERATIVE DISEASES

Fallbericht Station 43
Host: Dr. K. Brockmann
Coordinator: Prof. R. Krüger

Using Drosophila to Study Mechanisms of Axonal Regeneration and Degeneration After Injury
Host: Dr. C. Collins
Coordinator: Prof. R. Krüger

Spatial Attention and Parietal Subregions: Lesion Mapping and fMRI Converge
Host: Prof. Vandenberghe
Coordinator: Prof. R.Krüger

Hirntod-Diagnostik
Host: Dr. M. Dihné
Coordinator: Prof. R. Krüger

EEG-Seminar
Host: PD Dr. Y. Weber
Coordinator: Prof. R. Krüger

Epidemiology of neurodegenerative diseases: Lessons from the past and plans for the future
Host: Prof. M. Breteler
Coordinator: Prof. R. Krüger

The Potential of Induced Pluripotent StemCells in Development and Regenerative Medicine
Host: Prof. H. R. Schöler
Coordinator: Prof. R. Krüger

Reward Representation and Rule-based Cognitive Decisions in Auditory Cortex
Host: Prof. H. Scheich
Coordinator: Prof. R. Krüger

Mechanisms of Axonal De- and Regeneration in the CNS
Host: Dr. P. Ligor
Coordinator: Prof. R. Krüger

Epileptic Seizures in the MNRI: Haemodynamic Mapping of Ictal Networks
Host: Prof. J. Lemieux
Coordinator: Prof. R. Krüger

Lipid Metabolism and Neurodegeneration
Host: Prof. I Björkhem
Coordinator: Prof. R. Krüger

Stem Cell-derived In Vitro Neuronal Network Activity
Host: Dr. M. Dihné
Coordinator: Prof. R. Krüger

Seminar: Neurologie
Faculty: Faculty of Medicine, University of Tübingen
Coordinator: PD. Dr. F. Bischof

Therapieseminar: Genetische Diagnostik
Faculty: University Department of Neurology, Tübingen
Coordinator: Prof. R. Krüger

Bedside Teaching: Neurologische Untersuchung für Fortgeschrittene
Faculty: Faculty of Medicine, University of Tübingen
Coordinator: Prof. L. Schöls

LAB ROTATIONS

Summer Term 2012

Philipp Bauknecht
Internship
Coordinator: Prof. Dr. Thomas Gasser

Mai Atef
Internship
Coordinator: Prof. Dr. Thomas Gasser

Winter Term 2011/2012

Analysis of genes FBXO7 and GBA as possible causatives of early onset Parkinson's Disease
Coordinators: Prof. Dr. Thomas Gasser, Prof. Dr. Mathias Jucker, Dr. Ingrid Ehrlich

Julia Westermeier
Master Thesis (by 05/2012)
Coordinator: Prof. Dr. Rejko Krüger

GUEST RESEARCHERS

Dr. Rita de Cassia Leite Fernandes, Brazil
Supervisor: Prof. D. Berg

Dr. Rajka Liscic, Croatia
Supervisor: Prof. D. Berg

Dr. Solveig Hlin Kristjansdottir, Iceland
Supervisor: Prof. D. Berg

Dr. Heimir Snorrason, Iceland
Supervisor: Prof. D. Berg

DEPARTMENT OF COGNITIVE NEUROLOGY

CLINICAL AND SCIENTIFIC STAFF

Head of the Department

Prof. Dr. Peter Thier

Group leaders/Attending physicians

Prof. Dr. Martin Giese
Dr. Marc Himmelbach
Prof. Dr. Uwe Ilg
Prof. Dr. Dr. Hans-Otto Karnath
Prof. Dr. Cornelius Schwarz
PD Dr. Fahad Sultan

Scientists/Residents

Dr. Daniela Balslev
Dr. Marissa Barabas
Dr. Alia Benali
Dr. Dominik Brugger
Dr. Shubodeep Chakrabarti
Dr. Enrico Chiovetto
Dr. Peter Dicke
Dr. Dominik Endres
Dr. Bianca de Haan
Dr. Winfried Ilg
Dr. Axel Lindner
Dr. Jason Martin
Dr. Christine Pedroarena
Dr. Tobias Pflugshaupt
Dr. Jörn Pomper
Piret Rebassoo
Dr. Julia Suchan (until 12/2012)

Technical staff/Administration

Mirjana Angelovska
Ina Baumeister
Rüdiger Berndt
Ira Breitkreuz (until 09/2012)
Dr. Friedemann Bunjes
Ute Großhennig
Dagmar Heller-Schmerold
Dr. Martin Löffler
Ursula Pascht

PhD Doctoral Students

Daniel Arnstein
Artin Atabaki
Tobias Beck

Svenja Borchers
Christoph Budziszewski
Andrea Christensen
André Maia Chagas
Sonja Cornelsen
Nabil Daddaoua
Petya Georgieva
Salah Hamodeh
Julian Hofmann
Bettina Joachimsthaler
Marc Junker
Mohammad Khazali
Dongyun Li
David Mack
Karolina Marciniak
Urszula Mihulowicz
Jens R. Müller
Albert Mukovskiy
Nima Noury (until 06/2012)
Bartholomäus Odoj
Artur Pilacinski
Barbara Piotrowska
Hamidreza Ramezanpour
Johannes Rennig
Manuel Roth
Akshay Sharma
Cornelia Schatton
Aleksandra Smilgin
Zong-Peng Sun
Nick Taubert
Christian Waiblinger
Melanie Wallscheid
Ann-Kristin Weiser
Barbara Wirxel
Ida Zündorf

Medical Doctoral Students

Heike Beha
Caroline Bergner (until 07/2012)
Maria Bither
Anna Maria Friemann
Lena Gebert
Magdalena Gössling (until 07/2012)
Kathrin Konzelmann
Karla Lauer
Lukas Olszewski
Sebastian Scheidt
Isabelle Schmeh (until 07/2012)
Jessica Schwarz

DEPARTMENT OF COGNITIVE NEUROLOGY

Evgeny Sheygal
Tine Stoll
Carlo Wilke
Lisa Ziegler

Master Students

Daniel Arnstein (until 07/2012)
Thomas Börner (until 07/2012)
Anne Brauer
Seda Cavdaroglu
Marina Fridman (until 05/2012)
Nele Hellbernd
Elisabeth Kiely (until 06/2012)
Björn Müller
Lara Neugebauer
Girija Ravishankar
Tim Schroeder (until 07/2012)
David Wojnar

Diploma Students

Monika Eckstein
Katrin Festl (until 01/2012)

CLINICAL STUDIES

Quantification of subtle movement changes in healthy subjects with increased echogenicity of the substantia nigra.
Investigators: W. Ilg, I. Liepelt, C. Urban, N. Röhrich, M. A. Giese, D. Berg

Motor learning in patients suffering from cerebellar ataxia.
Investigators: W. Ilg, M. Synofzik, S. Burkhard, D. Brötz, M. A. Giese, L. Schöls

Examination of the influence of visual feedback on real and pantomimed object use in apraxia.
Investigators: A. Christensen, W. Ilg, M. A. Giese, H.-O. Karnath

Affective biological motion recognition in schizophrenia.
Investigators: J. Peterman, S. Park, M. A. Giese, A. Christensen, J. Mayer

Die Rolle des parietalen Kortex bei der Wahrnehmung der eigenen Bewegungen.
Investigators: M. Synofzik, A. Lindner

Examination of the influence of the cerebellum on the interaction between action and perception.
Investigators: D. Timmann-Braun, W. Ilg, A. Christensen, M. A. Giese

Videogame-based coordinative training in children with degenerative ataxia.
Investigators: W. Ilg, M. Synofzik, M. A. Giese, L. Schöls

Neurobiologische Grundlagen der Emotionserkennung aus menschlichen Gangsequenzen bei Gesunden und Patienten mit psychischen Erkrankungen.
Investigators: A.-C. Ehlis, A. Christensen, A. Fallgatter, M. A. Giese

THIRD-PARTY FUNDING

Ongoing Grants

Neuroanatomy of selective attention: testing the competitive interaction hypothesis (Juniorantrag) (F 1312057.1)

Project leader:	Dr. Bianca de Haan
Funding institution:	Faculty of Medicine, University of Tübingen, fortüne program
Funding period:	1 year
Awarded on:	April 7, 2011

Selektive Aufmerksamkeit und bewusste Wahrnehmung: Die Überprüfung der Hypothese konkurrierender Interaktionen (HA 5839/3-1)

Project leader:	Dr. Bianca de Haan, Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	02/2012 – 01/2015
Awarded on:	September 26, 2011

Setup and maintenance of the Section for Computational Sensomotorics (EXC 307 – CIN)

Project leader:	Prof. Dr. Martin Giese
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	08/2008 – 10/2017
Awarded on:	October 26, 2007

Neural encoding of visual action stimuli in mirror neurons in monkey premotor area F5 (GI 305/4-1)

Project leader:	Prof. Dr. Martin Giese, Prof. Dr. Peter Thier
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	09/2010 – 08/2013
Awarded on:	August 3, 2010

Adaptive modular architecture for rich motor skills (ICT-248311-AMARSi)

Project leader:	Prof. Dr. Martin Giese
Funding institution:	EU
Funding period:	03/2010 – 02/2014
Awarded on:	February 26, 2010

DEPARTMENT OF COGNITIVE NEUROLOGY

Emotional interaction grounded in realistic context (ICT-249858 TP3-TANGO)

Project leader:	Prof. Dr. Martin Giese
Funding institution:	EU
Funding period:	04/2010 – 03/2013
Awarded on:	April 29, 2010

Adaptive Brain Computations (PITN-GA-011-290011-ABC)

Project leader:	Prof. Dr. Martin Giese
Funding institution:	EU Training Network (ITN)
Funding period:	06/2012 – 05/2016
Awarded on:	December 08, 2011

Human reaching and grasping – cognitive networks of visual action control (ERC-2007-StG 211078-GRASP-CN)

Project leader:	Dr. Marc Himmelbach
Funding institution:	EU
Funding period:	09/2008 – 08/2013
Awarded on:	August 26, 2008

Beteiligung der Colliculi superiores an der räumlichen Planung und Ausführung von visuell gesteuerten Handbewegungen (HI 1371/1-1)

Project leader:	Dr. Marc Himmelbach, Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	09/2008 – 04/2013
Awarded on:	December 13, 2007

Schülerlabor Neurowissenschaften (00.139.2008)

Project leader:	Prof. Dr. Uwe Ilg
Funding institution:	Tschira-Foundation
Funding period:	01/2009 – 07/2012
Awarded on:	September 3, 2008

Videogame-based coordinative training in children with degenerative ataxia

Project leader:	Dr. Winfried Ilg, Dr. Matthis Synofzik
Funding institution:	Oliver-Vaihinger-Fond, Stiftung für kranke Kinder
Funding period:	starting 07/2011
Awarded on:	May 26, 2011

Störungen motorischen Handelns nach Schädigungen des parietalen und des temporalen Kortex beim Menschen (KA 1258/10-1)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath, Dr. Marc Himmelbach
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	01/2010 – 09/2013
Awarded on:	November 5, 2009

Symptomorientierte voxelbasierte statistische Läsionsanalyse bei Aphasie und Akalkulie (KA 1258/11-1)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	07/2010 – 06/2014
Awarded on:	November 9, 2009

Selektive auditive räumliche Aufmerksamkeit in akustisch komplexen Situationen (KA 1258/12-1)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	07/2010 – 06/2013
Awarded on:	May 27, 2010

Mechanismen und Störungen visuell gesteuerter Alltagshandlungen (KA 1258/15-1)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath, Prof. Dr. Martin Giese
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	05/2012 – 04/2015
Awarded on:	July 29, 2011

How do cortical representations of eye position impact spatial cognition? (FP7-People-2009-IEF)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	EU
Funding period:	09/10 – 08/12
Awarded on:	August 6, 2010

How do cortical representations of eye position impact spatial cognition? (Nr. 09-072209)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Danish Council
Funding period:	09/2010 – 08/2012
Awarded on:	September 8, 2010

European Research Network for Investigating Human Sensorimotor Function in Health and Disease (05RNP089 ERNI-HSF)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	The European Science Foundation (ESF)
Funding period:	01/2007 – 12/2012
Awarded on:	December 2006

ERNI-Conference: „Orienting of attention: neural implementation, underlying mechanisms and clinical implications“ (Science Meeting No. 4248)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	The European Science Foundation (ESF)
Funding period:	11/2012
Awarded on:	March 16, 2012

DEPARTMENT OF COGNITIVE NEUROLOGY

Cerebral processing of multimodal emotional signals

Project leader:	Prof. Dr. Dirk Wildgruber, Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	12/2011 – 11/2012
Awarded on:	September 29, 2011

National Network of Computational Neuroscience (Bernstein Center). Projekt "Die neuronalen Grundlagen sensorischer Vorhersagen für Wahrnehmung und Verhalten", C4

Project leader:	Dr. Axel Lindner, Prof. Dr. Martin Giese
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	05/2010 – 04/2015
Awarded on:	July 5, 2010

Entwicklung von dynamischer Hirnstimulation für die Anwendung in zukünftigen kortikalen sensorischen Neuroprothesen (SCHW 577/9-1)

Project leader:	Prof. Dr. Cornelius Schwarz
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	08/2009 – 01/2013
Awarded on:	April 22, 2009

FG BARREL CORTICAL FUNCTION, TP 6 Neuronal processing of task-specific afferent whisker information in the rat barrel cortex (SCHW 577/10-1)

Project leader:	Prof. Dr. Cornelius Schwarz
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	01/2010-12/2012
Awarded on:	December 4, 2009

National Network of Computational Neuroscience (Bernstein Center). Projekt "Bildgebung neuronaler Populationskodierungen von Wahrnehmungsgrößen in wachen Tieren", B2

Project leader:	Prof. Dr. Cornelius Schwarz
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	05/2010 – 04/2015
Awarded on:	July 5, 2010

D-USA-Verbund: Wie dynamisch ist neuronale Kodierung? Zustandsabhängige Stimulusselektivität in thalamo-cortikalen Netzwerken im Tasthaarsystem der Ratte (01GQ1113)

Project leader:	Prof. Dr. Cornelius Schwarz
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	12/2011 – 10/2014
Awarded on:	October 28, 2011

From 3D surface models to the cellular and molecular architecture of the dentate nucleus: characterizing human-typical traits in the cerebellum (SU 171/3-1)

Project leader:	PD Dr. Fahad Sultan
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	11/2011 – 10/2014
Awarded on:	July 25, 2011

Cerebellar-Cortical Control: Cells, Circuits, Computation, and Clinic (C7) (PITN-GA-2009-238214)

Project leader:	Prof. Dr. Peter Thier
Funding institution:	EU
Funding period:	11/2009 – 10/2013
Awarded on:	September 30, 2009

National Network of Computational Neuroscience (Bernstein Center) Projekt "Inferenzprozesse in der visuellen Bewegungswahrnehmung", C3

Project leader:	Prof. Dr. Peter Thier, Prof. Dr. Martin Giese
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	05/2010 – 04/2015
Awarded on:	July 5, 2010

New Grants

Corticofugal control of brainstem sensory gating in the rodent whisker system (CH 1232/1-1)

Project leader:	Dr. Shubhodeep Chakrabarti
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	10/2012 – 09/2015
Awarded on:	July 26, 2012

Schülerlabor Neurowissenschaften (32.5.8051.0149.1)

Project leader:	Prof. Dr. Peter Thier
Funding institution:	Robert Bosch Foundation
Funding period:	10/2012 – 09/2015
Awarded on:	July 26, 2012

Towards the neural basis of joint attention (TH 425/12-1)

Project leader:	Prof. Dr. Peter Thier
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	01/2013 – 12/2015
Awarded on:	December 21, 2012

DEPARTMENT OF COGNITIVE NEUROLOGY

ERNI-Conference: „Orienting of attention: neural implementation, underlying mechanisms and clinical implications" (Science Meeting No. 4248)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	The European Science Foundation (ESF)
Funding period:	11/2012
Awarded on:	March 16, 2012

Functional neuroimaging of the human tectum at 9,4 T (EXC 307-CIN)

Project leader:	Dr. Marc Himmelbach, Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	04/2013-03/2015
Awarded on:	November 15, 2012

Bewertung der Funktionalität von Objekten und schlussfolgerndes Denken über mechanische Probleme (HI 1371/2-1)

Project leader:	Dr. Marc Himmelbach, Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	36 months
Awarded on:	December 18, 2012

Evaluation of object functionality and mechanical reasoning in humans (fortüne F1312065)

Project leader:	Dr. Marc Himmelbach, Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Medical Faculty, University of Tübingen
Funding period:	01/2013-12/2013
Awarded on:	November 19, 2012

Reorganisation kognitiver Funktionen nach Schlaganfall

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	The German Academic Exchange Service (DAAD)
Funding period:	01/2013 – 12/2014
Awarded on:	October 24, 2012

Move'n Up: Videospiel-basiertes koordinatives Training für rollstuhlpflichtige Kinder mit erblicher Ataxie

Project leader:	Dr. Matthis Synofzik, Dr. Winfried Ilg
Funding institution:	Katarina Witt-Stiftung
Funding period:	08/2012 – 12/2013
Awarded on:	August 1, 2012

MOVE'n FUN: Videogame-based coordinative training in children with degenerative ataxia

Project leader:	Dr. Matthis Synofzik, Dr. Winfried Ilg
Funding institution:	Ataxia UK
Funding period:	02/2012 – 12/2013
Awarded on:	January 24, 2012

Einfluss der Objekterkennung auf die neuronalen Prozesse der Steuerung von Greifbewegungen (PK 2012-23)

Project leader:	Prof. Dr. Dr. Hans-Otto Karnath
Funding institution:	Faculty of Medicine, University of Tübingen, IZKF Promotionskolleg
Funding period:	04/2012 – 03/2013
Awarded on:	February 14, 2012

AWARDS

Dr. Danila Balslev

Attempo Prize 2012, Universitätsbund Tübingen

Dr. Winfried Ilg

Heredo-Ataxie-Preis 2012, Deutsche Heredo-Ataxie-Gesellschaft

Prof. Dr. Martin Giese

Teaching Award of the Graduate School for Neural and Behavioural Sciences

Dr. Dominik Endres

Teaching Award of the Graduate School for Neural and Behavioural Sciences

PHD THESES (COMPLETED IN 2012)

Applicant:	Daniel Oberhoff
Hierarchical probabilistic graphical models for image recognition	
Supervisor:	Prof. Dr. Martin Giese
Faculty:	Ulm University

Applicant:	Julia Suchan
Lateralization aspects of spatial orienting in humans: Evidence from acute stroke patients and healthy subjects	
Supervisor:	Prof. Dr. Dr. Hans-Otto Karnath
Faculty:	Graduate Training Centre of Neuroscience

Applicant:	Svenja Borchers
The impact of object familiarity on visuomotor programming	
Supervisor:	Dr. Marc Himmelbach
Faculty:	Graduate Training Centre of Neuroscience

DEPARTMENT OF COGNITIVE NEUROLOGY

MEDICAL THESES (COMPLETED IN 2012)

Applicant: Kathrin Johanna Konzelmann
Untersuchung der subjektiven visuellen Vertikalen bei Gesunden und Schlaganfallpatienten mit akuten unlateralen zentralen Läsionen und den anatomischen Korrelaten einer gestörten Vertikalrezeption
Supervisor: Prof. Dr. Dr. Hans-Otto Karnath

Applicant: Caroline Bergner
Psychophysik und neuronale Kodierung vibratiler Stimuli im Tasthaarsystem der Ratte
Supervisor: Prof. Dr. Cornelius Schwarz

Applicant: Magdalena Gössling
Die Rolle interner Vorhersagen bei Morbus Parkinson
Supervisors: Prof. Dr. Peter Thier, Dr. Matthis Synofzik

Applicant: Julia Monika Schwarz
Detektion visueller Formagnosie nach unilateraler Hirnschädigung
Supervisor: Prof. Dr. Dr. Hans-Otto Karnath

Applicant: Isabella Schmeh
Genexpression von potentiellen Modulatoren inhibitorischer Neurotransmission in der Maus-Mutante Lurcher
Supervisor: Prof. Dr. Conelius Schwarz

DIPLOMA/MASTERS THESES (COMPLETED IN 2012)

Applicant: Girija Ravishankar
Neural theories for the recognition of dynamic faces in monkey cortex
Supervisor: Prof. Dr. Martin Giese
Faculty: Graduate Training Centre of Neuroscience

Applicant: Monika Eckstein
Investigating the separate contributions of the IPL and the SPL in visual search and bisection
Supervisor: Prof. Dr. Dr. Hans-Otto Karnath
Faculty: Faculty of Science, University of Tübingen

Applicant: Anne Brauer
Cue and target related activity in response to bilateral stimuli: an fMRI study
Supervisors: Prof. Dr. Dr. Hans-Otto Karnath, Dr. Bianca de Haan
Faculty: Graduate Training Centre of Neuroscience

Applicant: Marina Fridman
Looking for the path not taken: An investigation of the influence of alternative motor plans on reach trajectories and self-action perception
Supervisor: Dr. Axel Lindner
Faculty: Graduate Training Centre of Neuroscience

Applicant: Daniel Arnstein
A psychophysical task of action understanding for primates
Supervisor: Prof. Dr. Peter Thier
Faculty: Graduate Training Centre of Neuroscience

Applicant: Thomas Börner
Inhibitory activity in the barrel cortex during whisker mediated trace eyeblink conditioning
Supervisor: Prof. Dr. Cornelius Schwarz
Faculty: Graduate Training Centre of Neuroscience

Applicant: Tim Schröder
Dynamic encoding of tactile stimuli in primary afferents of the rat's whisker pathway
Supervisor: Prof. Dr. Cornelius Schwarz
Faculty: Graduate Training Centre of Neuroscience

Applicant: Julian Hofmann
Contributions of GABAA-receptor subunits to tactile coding in local field potentials in the primary somatosensory cortex of the awake mouse
Supervisor: Prof. Dr. Cornelius Schwarz
Faculty: Faculty of Science, University of Tübingen

Applicant: Natalie Mandel
Die Diagnose der optischen Ataxie im Zusammenhang mit propriozeptiven Defiziten
Supervisor: Dr. Marc Himmelbach
Faculty: Faculty of Science, University of Tübingen

Applicant: Elizabeth Kiely
Investigating reach-related activity in the human superior colliculus: an fMRI study
Supervisor: Dr. Marc Himmelbach
Faculty: Graduate Training Centre of Neuroscience

Applicant: Helene Wiesmann
Aufmerksamkeitsverlagerung bei wöchentlicher Computer- und Konsolenspielzeit
Supervisor: Prof. Dr. Uwe Ilg
Faculty: Faculty of Science, University of Tübingen

Applicant: Lara Neugebauer
Neuromodulation der selektiven auditiven räumlichen Aufmerksamkeit in aktustisch komplexen Situationen mit transkranieller Gleichstromsimulation
Supervisor: Prof. Dr. Dr. Hans-Otto Karnath
Faculty: Graduate Training Centre of Neuroscience

DEPARTMENT OF COGNITIVE NEUROLOGY

CONFERENCES

5th Primate Neurobiology Conference
Tübingen, 12.-14.03.2012
Scientific Coordinator: Prof. Dr. Peter Thier

ESF-ERNI Science Meeting: Orientation of Attention: Neuroal Implementation, Underlying Mechanisms and Clinical Implications
Tübingen, 02.-03.11.2012
Scientific Coordinators: Prof. Dr. Dr. Hans -Otto Karnath, Dr. Daniela Balslev

AMARSi Symposium „Adaptive Motor Primitives in Brains and Machines“
Tübingen, 05.-07.11,2012
Scientific Coordinator: Prof. Dr. Martin Giese

STUDENT TRAINING

Lectures (Summer Term/Winter Term)

Motor Systems
Faculty: Graduate Training Center of Neuroscience
Coordinator: Prof. Dr. Peter Thier

Grundlagen der Neurologie
Faculty: Medicine
Lecturer: Prof. Dr. Dr. Hans-Otto Karnath

Motor Systems
Faculty: Graduate Training Centre of Neuroscience
Lecturer: Prof. Dr. Peter Thier

Fundamentals of Sensorimotor Integration
Faculty: Faculty of Science
Lecturer: Prof. Dr. Uwe Ilg

Brain Stimulation Technique – TMS
Faculty: Graduate Training Centre of Neuroscience
Lecturer: Dr. Daniela Balslev, Dr. Sonja Cornelsen

Neural Motor Control
Faculty: Graduate Training Centre of Neuroscience
Lecturer: Dr. Winfried Ilg

Machine Learning II
Faculty: Graduate Training Centre of Neuroscience
Lecturer: Prof. Dr. Martin Giese, Dr. Dominik Endres

Perception, Cognition and Behaviour
Faculty: Graduate Training Centre of Neuroscience
Lecturer: Dr. Marc Himmelbach, Dr. Bianca de Haan

Behaviour and Cognition: Neuropsychology
Faculty: Graduate Training Centre of Neuroscience
Lecturer: Prof. Dr. Dr. Hans-Otto Karnath

Functional Organization of Vertebrate CNS
Faculty: Graduate Training Centre of Neuroscience
Lecturer: PD Dr. Fahad Sultan

Molekulare Medizin – Neuroanatomie
Faculty: Medicine
Lecturer: PD Dr. Fahad Sultan

Methods in Neuropsychology
Faculty: Graduate Training Centre of Neuroscience
Lecturers: Dr. Marc Himmelbach, Dr. Bianca de Haan

Neurophysiology
Faculty: Graduate Training Centre of Neuroscience
Lecturers: Prof. Dr. Cornelius Schwarz, Dr. Christine Pedroarena

Dynamics of Neural Systems
Faculty: Graduate Training Centre of Neuroscience
Lecturer: Prof. Dr. Martin Giese

Seminars and Courses

Neurokolloquium
Host: Miscellaneous
Coordinator: Prof. Dr. Peter Thier

Neurobiologisches Montagskolloquium
Host: Miscellaneous
Coordinator: Prof. Dr. Uwe Ilg

Weekend Seminar on Neural Prosthetics
Host: Graduate Training Centre of Neuroscience
Coordinator: Dr. Axel Lindner

Lab Practicals Neurophysiology
Host: Graduate Training Centre of Neuroscience
Coordinator: Prof. Dr. Cornelius Schwarz

DEPARTMENT OF COGNITIVE NEUROLOGY

Aktuelle Probleme in der Neuropsychologie
Host: Prof. Dr. Dr. Hans-Otto Karnath
Coordinator: Prof. Dr. Dr. Hans-Otto Karnath

Praktikum Klinische Neuropsychologie
Host: Prof. Dr. Dr. Hans-Otto Karnath
Coordinator: Prof. Dr. Dr. Hans-Otto Karnath

Aktuelle Probleme der Sensomotorik
Host: Prof. Dr. Peter Thier
Coordinator: Prof. Dr. Peter Thier

Neurobiologie des Kleinhirns
Host: Prof. Dr. Peter Thier
Coordinator: Prof. Dr. Peter Thier

Machine Learning II (Übungen)
Host: Prof. Dr. Martin Giese, Dr. Dominik Endres
Coordinator: Prof. Dr. Martin Giese

Tübingen International Summer School
Host: Forum Scientiarum,
Werner Reichardt Centre for Integrative Neuroscience (CIN)
Coordinators: Dr. Kirsten Volz, Dr. Liz Irvine, Dr. Hong-Yu Wong, Dr. Axel Lindner

CIN Systems Neuroscience Retreat
Host: Werner Reichardt Centre for Integrative Neuroscience (CIN)
Coordinator: Dr. Ziad Hafed, Dr. Marc Himmelbach, Dr. Axel Lindner

Tierphysiologischer Kurs für Bioinformatiker
Host: Prof. Dr. Uwe Ilg
Coordinator: Prof. Dr. Uwe Ilg

Fachdidaktik: Neurobiologie in der Schule
Host: Prof. Dr. Uwe Ilg
Coordinator: Prof. Dr. Uwe Ilg

Dynamics of Neural Systems (Übungen)
Host: Prof. Dr. Martin Giese, Tobias Beck
Coordinator: Prof. Dr. Martin Giese

LAB ROTATIONS

Summer Term 2012

Nicolas Ludolph
The influence of motor variance on reinforcement learning for motor adaptation
Coordinator: Dr. Winfried Ilg

Gündüz Rümeysa
An MRI-guided TMS investigation of the neural correlates that mediate online-control of reach-to-grasp actions
Coordinators: Prof. Dr. Dr. Hans-Otto Karnath, Dr. Marc Himmelbach

Galyna Pidpruzhnikova
Layer specificity in perception of cortical microstimulation
Coordinator: Prof. Dr. Cornelius Schwarz

Shervin Safavi
Towards understanding the neural computations in recognition of dynamic faces
Coordinator: Prof. Dr. Martin Giese

Dmytro Velychko
Implementation of a versatile machine-learning framework for human psychophysical experiments in a virtual reality
Coordinators: Dr. Dominik Endres, Prof. Dr. Martin Giese

Cody Merritt
The facets of high-level action semantics in behaviour and the human brain
Coordinators: Dr. Dominik Endres, Prof. Dr. Martin Giese

Winter Term 2012/2013

Marcus Siems
fMRI resting-state networks of the human superior colliculi
Coordinator: Dr. Marc Himmelbach

DEPARTMENT OF CELLULAR NEUROLOGY

CLINICAL AND SCIENTIFIC STAFF

Head of the Department

Prof. Dr. Mathias Jucker

Group leaders

Dr. Frank Baumann
Prof. Dr. Christoph Laske (Section of Dementia Research, jointly with the Clinic Psychiatry)

Scientists/Residents

Dr. Yvonne Eisele
Sarah Fritschi
Dr. Petra Füger
Jasmin Hefendehl
Götz Heilbronner
Stephan Käser
Franziska Langer
Jasmin Mahler
Luis Maia
Dr. Giusi Manfredi
Dr. Anne-Marie Marzcesco
Amudha Nagarathinam
Dr. Jonas Neher
Renata Novotny
Dr. Jörg Odenthal
Manuel Schweighauser
Dr. Angelos Skodras
Dr. Nicholas Varvel
Dr. Bettina Wegenast-Braun
Ulla Welzel
Jan Winchenbach
Lan Ye

Technical staff/Administration

Andrea Bosch
Isolde Breuer
Anika Bühler
Simone Eberle
Bernadette Graus
Michael Hruscha
Christian Krüger
Ulrike Obermüller
Claudia Schäfer

Medical Doctoral Students

Niels Rupp

Master Students

Mehtap Bacioglu
Karoline Degenhart
Borka Jojic
Jasmin Mahler

CLINICAL STUDIES

DIAN Dominatly Inherited Alzheimer Network: The goal of DIAN is to study brain changes and biomarker changes in people who carry an Alzheimer's disease mutation to determine how the disease process develops before any symptoms are detected.
Investigators: M. Jucker, C. Laske, S. Gräber-Sultan, T. König, N. Köhler

THIRD-PARTY FUNDING

Ongoing Grants

Generation of APP transgenic mice

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Koesler
Funding period:	01/2005 – 12/2012
Awarded on:	December 29, 2004

ERA-Net "NEURON" Transfer of misfolded protein as a pathogenetic mechanism in neuro-degenerative disease (01EW0901)

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Federal Ministry of Education and Research (BMBF) / German Aerospace Center (DLR), Project Management Agency
Funding period:	02/2009 – 01/2012
Awarded on:	February 11, 2009

EC-FP7 (LUPAS, Luminescent polymers for in vivo imaging of amyloid signatures) FP7-Health-2009-1.2-5, Project No. 242098s

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Commission of the European Community
Funding period:	11/2009 – 10/2012
Awarded on:	October 22, 2009

DEPARTMENT OF CELLULAR NEUROLOGY

Membrane anchored Aβ as a prerequisite for neurotoxicity in vitro and in vivo? (BA 2257/2-1)

Project leader:	Dr. Frank Baumann
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	02/2010 – 02/2013
Awarded on:	December 17, 2009

AD pathologies in the absence of microglia (NIRG-10-173099)

Project leader:	Dr. Nicholas Varvel
Funding institution:	Alzheimer's Association USA
Funding period:	10/2010 – 09/2012
Awarded on:	September 3, 2010

Kompetenznetz Demenzen – Amyloid (01GI1004F)

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Federal Ministry of Education and Research (BMBF)/ German Aerospace Center (DLR), Project Management Agency
Funding period:	01/2011 – 12/2013
Awarded on:	February 21, 2011

NGFN-Plus: Pathomechanism of Cerebral Amyloid Angiopathy (01GS08131), 2nd funding

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Federal Ministry of Education and Research (BMBF)/ German Aerospace Center (DLR), Project Management Agency
Funding period:	06/2011 – 05/2013
Awarded on:	May 16, 2011

Research fellowship

Project leader:	Luis Oliveira da Maia
Funding institution:	Ministério da Ciéncia e de Tecnologia, Lisboa
Funding period:	12/2010 – 12/2012
Awarded on:	May 21, 2010

Donation for Alzheimer research

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Anonymous donor
Funding period:	12/2010 – 12/2012
Awarded on:	December 10, 2010

Roman Herzog Postdoctoral Fellowship

Project leader:	Dr. Jonas Neher
Funding institution:	Hertie Foundation
Funding period:	12/2011 – 11/2012
Awarded on:	June 9, 2011

New Grants

Generation of APP transgenic mice

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Koesler
Funding period:	01/2012 – 12/2012
Awarded on:	January 10, 2012

Research fellowship, extension

Project leader:	Luis Oliveira da Maia
Funding institution:	Ministério da Ciéncia e de Tecnologia, Lisboa
Funding period:	12/2012 – 12/2013
Awarded on:	May, 2012

Roman Herzog Postdoctoral Fellowship, Extension

Project leader:	Dr. Jonas Neher
Funding institution:	Hertie Foundation
Funding period:	12/2012 – 11/2013
Awarded on:	October 30, 2012

Donation for Alzheimer Biomarker research

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Anonymous donor
Funding period:	02/2013 – 01/2015
Awarded on:	November 26, 2012

Organotypic Slice Cultures (031A198A)

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Federal Ministry of Education and Research (BMBF)/ Project Management Jülich (PTJ)
Funding period:	02/2013 – 01/2015
Awarded on:	November 27, 2012

Donation for Alzheimer research

Project leader:	Prof. Dr. Mathias Jucker
Funding institution:	Anonymous donor
Funding period:	12/2012 – 12/2013
Awarded on:	December 10, 2012

DEPARTMENT OF CELLULAR NEUROLOGY

PHD THESES (COMPLETED IN 2012)

Applicant: Jasmin Hefendehl
In vivo 2-photon imaging of amyloid deposits in mouse models of cerebral amyloidosis
Supervisor: Prof. Dr. Mathias Jucker
Faculty: Faculty of Science, Faculty of Medicine, University of Tübingen

Applicant: Franziska Langer
Amyloid-β Aggregation – Insights from models for inducible β-Amyloidosis
Supervisor: Prof. Dr. Mathias Jucker
Faculty: Faculty of Science, Faculty of Medicine, University of Tübingen

MEDICAL THESES (COMPLETED IN 2012)

Applicant: Niels Rupp
Early onset amyloid lesions lead to severe neuritic abnormalities and local but not global neuron loss in APPPS1 transgenic mice
Supervisor: Prof. Dr. Mathias Jucker
Faculty: Faculty of Medicine, University of Tübingen

DIPLOMA/MASTERS THESES (COMPLETED IN 2012)

Applicant: Methap Bacioglu
Exogenous induction of alpha-synucleinopathy in transgenic mouse model
Supervisor: Prof. Dr. Mathias Jucker
Faculty: Faculty of Science, Faculty of Medicine, University of Tübingen

Applicant: Bora Jojic
Novel cell models to investigate molecular mechanisms of Aβ toxicity
Supervisor: Dr. Frank Baumann
Faculty: Faculty of Science, Faculty of Medicine, University of Tübingen

Applicant: Jasmin Mahler
Ex vivo and in vivo analysis of protein aggregates in transgenic mouse models of cerebral amyloidosis using luminescent conjugated oligothiophenes
Supervisor: Dr. Bettina Wegenast Braun
Faculty: Faculty of Science, Faculty of Medicine, University of Tübingen

STUDENT TRAINING

Lectures (Summer Term/Winter Term)

Genetic and Molecular Basis of Neural Disease I

Faculty:	Graduate School of Cellular and Molecular Neuroscience
Coordinators:	Prof. Dr. Mathias Jucker, Dr. Frank Baumann, Prof. Dr. Thomas Gasser, Prof. Dr. Ludger Schöls

Cellular and Molecular Neuroscience

Faculty:	Graduate School of Neuronal & Behavioural Sciences
Coordinators:	Prof. Dr. Horst Herbert, Dr. Frank Baumann

Neurobiology for students of Molecular Medicine

Faculty:	Faculty of Medicine, University of Tübingen
Coordinators:	Prof. Dr. Thomas Gasser, Dr. Frank Baumann

Seminars and Courses

Neurohistology/pathology and Quantitative Neuromorphology

Host:	Graduate School of Cellular and Molecular Neuroscience
Coordinators:	Prof. Dr. Mathias Jucker, Dr. Yvonne Eisele, Dr. Bettina Wegenast-Braun

LAB ROTATIONS

Summer Term 2012

Graduate School of Cellular and Molecular Neuroscience

Coordinators:	Prof. Dr. Mathias Jucker, Prof. Dr. Philipp Kahle, Dr. Simone Di Giovanni, Prof. Dr. Rejko Krüger, Prof. Dr. Ludger Schöls, Prof. Dr. Thomas Gasser, Dr. Ingrid Ehrlich

Winter Term 2012/2013

Graduate School of Cellular and Molecular Neuroscience

Coordinators:	Prof. Dr. Mathias Jucker, Prof. Dr. Rejko Krüger, Prof. Dr. Philipp Kahle, Prof. Dr. Ludger Schöls, Dr. Simone Di Giovanni, Dr. Tobias Rasse, Dr. Frank Baumann, Prof. Dr. Holger Lerche, Dr. Snezana Maljevic

INDEPENDENT RESEARCH GROUP NEUROREGENERATION AND REPAIR

CLINICAL AND SCIENTIFIC STAFF

Head of the Research Group

Dr. Simone Di Giovanni

Scientists/Residents

Henning Beck
Mohamed Elnaggar
Elisa Floriddia
Kirsi Forsberg
Arnau Hervera-Abad
Yashashree Joshi
Radhika Puttagunta
Giorgia Quadrato
Khizr Rathore

Technical staff/Administration

Andrea Sabino
Anja Wuttke

Master Students

Gizem Inak

THIRD-PARTY FUNDING

Ongoing Grants

The role of p53 and cGKI pathways in axonal regeneration following CNS injury

Project leader:	Dr. Simone Di Giovanni
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	02/2011-02/2014
Awarded on:	December 2011

The role of cGMP-GKI signalling in spinal cord axonal sprouting and regeneration following injury

Project leader:	Dr. Simone Di Giovanni
Funding institution:	Wings for Life
Funding period:	10/2010-10/2012
Awarded on:	June 2010

Enhancement of acetyl-p53 transcriptional activity to promote corticospinal regeneration and functional recovery following spinal injury

Project leader:	Dr. Simone Di Giovanni
Funding institution:	Wings for Life
Funding period:	10/2010-09/2012
Awarded on:	June 2010

New Grants

Molecular strategies to foster functional reinervation of the dysfuntional urinary sphincter using a novel p53-dependent

Project leader:	Dr. Simone Di Giovanni
Funding institution:	Deutsche Forschungsgemeinschaft (DFG)
Funding period:	05/2012-04/2015
Awarded on:	May 2012

NFAT3 dependent transcriptome analysis in hippocampal neurogenesis and plasticity upon brain ischemia

Project leader:	Dr. Simone Di Giovanni
Funding institution:	Faculty of Medicine, University of Tübingen, fortüne programm
Funding period:	09/2012-08/2013
Awarded on:	July 2012

PHD THESES (COMPLETED IN 2012)

Applicant:	Elisa Floriddia
Cellular and molecular mechanisms regulating CNS regeneration	
Supervisor:	Dr. Simone Di Giovanni
Faculty:	Graduate School of Cellular and Molecular Neuroscience

Applicant:	Henning Beck
Serum Response Factor and Actin Treadmilling Influence Neuronal Mitochondrial Dynamics	
Supervisor:	Dr. B. Knöll, Dr. Simone Di Giovanni
Faculty:	Graduate School of Cellular and Molecular Neuroscience

DIPLOMA/MASTERS THESES (COMPLETED IN 2012)

Applicant:	Gizem Inak
Observing IL-4 effects on functional recovery, axonal regeneration, and glial response following spinal cord injury in the mice	
Supervisor:	Dr. Simone Di Giovanni
Faculty:	Graduate School of Cellular & Molecular Neuroscience,

INDEPENDENT RESEARCH GROUP NEUROREGENERATION AND REPAIR

STUDENT TRAINING

Lectures (Summer Term)

NeuroRegeneration and Neuro-Tissue Engineering
Faculty: Graduate School of Cellular and Molecular Neuroscience
Coordinators: Dr. S. Di Giovanni, Prof. Dr. Schlosshauer

LAB ROTATIONS

Winter Term 2012/2013

Ceren Duman
NFATc4 role in the regulation of adult hippocampal neurogenesis following stroke injury
Coordinator: Dr. S. Di Giovanni

Ramazan Uyar
Deletion of MDMX Leads to Enhanced p53 Transactivation and Neuroregeneration
Coordinator: Dr. S. Di Giovanni

DIPLOMA/MASTERS THESES (COMPLETED IN 2012)

Applicant: Gizem Inak
Observing IL-4 effects on functional recovery, axonal regeneration, and glial response following spinal cord injury in the mice
Supervisor: Dr. Simone Di Giovanni
Faculty: Graduate School of Cellular and Molecular Neuroscience, Tübingen

INDEPENDENT RESEARCH GROUP PHYSIOLOGY OF LEARNING AND MEMORY

CLINICAL AND SCIENTIFIC STAFF

Head of the Research Group

Dr. Ingrid Ehrlich

Scientists/Residents

Dr. Daniel Bosch

Technical staff/Administration

Andrea Gall

Master Students

Alaa Sharif
Cyril Daniel

PhD Doctoral Students

Douglas Asede
Elsa Bonnard
Cora Hübner

THIRD-PARTY FUNDING

Ongoing Grants

Synaptic Mechanisms of Fear Memory in the amygdala: Role of plasticity in prefrontal cortical inputs and specialized inhibitory circuits

Project leader:	Dr. Ingrid Ehrlich
Funding institution:	National Alliance for Research in Schizophrenia and Depression, USA (NARSAD)
Funding period:	07/2010 – 06/2012
Awarded on:	June 2009

Development of optogenetic tools for probing synaptic and network mechanisms in learning and memory

Project leader:	Dr. Ingrid Ehrlich, Dr. Anton Sirota
Funding institution:	Werner Reichardt Centre for Integrative Neuroscience (CIN pool project Exc 307)
Funding period:	11/2010 – 10/2012
Awarded on:	May 10, 2010

INDEPENDENT RESEARCH GROUP PHYSIOLOGY OF LEARNING AND MEMORY

Mechanisms underlying developmental changes in fear and extinction learning

Project leader:	Dr. Daniel Bosch
Funding institution:	CIN, Exc 307 (Pool Project)
Funding period:	04/2011 – 04/2013
Awarded on:	February 28, 2011

Functional role of AMPA-R signaling at neuron-glia synapses in white matter

Project leader:	Dr. Maria Kukley, Dr. Ingrid Ehrlich
Funding institution:	CIN, Exc 307 (Pool Project)
Funding period:	12/2011 – 12/2012
Awarded on:	September 14, 2011

Emotional modulation of ventral hippocampal connectivity with the amygdala

Project leader:	Dr. Ingrid Ehrlich, Dr. Menahem Segal
Funding institution:	Werner Reichardt Centre for Integrative Neuroscience, Exc 307 (CIN-Weizmann project)
Funding period:	01/2012 – 12/2012
Awarded on:	December 21, 2011

New Grants

Function of axo-axonicsynapses in amygdala circuits and fear learning and memory

Project leader:	Dr. Ingrid Ehrlich, Dr. Hansjürgen Volkmer, Dr. Gal Richter-Levin
Funding institution:	Werner Reichardt Centre for Integrative Neuroscience (CIN pool project Exc 307)
Funding period:	03/2013 – 02/2015
Awarded on:	December 15, 2012

DIPLOMA/MASTERS THESES (COMPLETED IN 2012)

Applicant:	Cyril Daniel

Developmental changes in the amygdala inhibitory circuit

Supervisor:	Dr. ingrid Ehrlich
Faculty:	University of Strasbourg, France

STUDENT TRAINING

Lectures (Summer Term/Winter Term)

Molecular and Cellular Basis of Learning and Memory
Faculty: Graduate School of Cellular & Molecular Neuroscience, Graduate School of Neural and Behavioral Sciences, Tuebingen
Coordinator: Dr. Ingrid Ehrlich

Neurobiology for students of Molecular Medicine
Faculty: Faculty of Medicine, University of Tübingen
Coordinator: Prof. Thomas Gasser

Neurophysiology for students of Medicine, Dentistry and Molecular Medicine
Faculty: Faculty of Medicine, University of Tübingen
Coordinator: Prof. Olga Garaschuk

LAB ROTATIONS

Summer Term 2012

Marie Lechler
Department of Biochemistry, University Tübingen
Coordinator: Dr. Ingrid Ehrlich

Robert Konz
Department of Psychology, University Giessen
Coordinator: Dr. Ingrid Ehrlich

Winter Term 2012/2013

Alaa Sharif
Graduate Training Center of Neuroscience
Coordinator: Dr. Ingrid Ehrlich

INDEPENDENT RESEARCH GROUP SYNAPTIC PLASTICITY

CLINICAL AND SCIENTIFIC STAFF

Head of the Research Group

Dr. Tobias Rasse

Scientists/Residents

Katharina Daub
Shabab Hannan
Jeannine Kern
Josephine Ng
Carola Schneider
Vrinda Sreekumar
Dr. Doychin Stanchev
Dr. Karthikeyan Tangavelou,
Dr. Natalia Veresceaghina
Yao Zhang
Jun-yi Zhu

THIRD-PARTY FUNDING

Ongoing Grants

Characterizing the role of fluglotse's FHA domain

Project leader:	Dr. Tobias Rasse
Funding institution:	Deutsche Forschnungsgemeinschaft (DFG)
Funding period:	08/2010 – 07/2013
Awarded on:	July 8, 2010

BMBF Antrag: CNDD Research Project 2 (FTD)

Project leader:	Prof. Philipp Kahle
Funding institution:	Federal Ministry of Education and Research (BMBF)
Funding period:	04/2011 – 12/2013
Awarded on:	September 17, 2010

New Grants

Synaptic lack of ATP: molecular cause of SPG10?

Project leader:	Dr. Tobias Rasse
Funding institution:	Fritz Thyssen Foundation
Funding period:	05/2012 – 04/2014
Awarded on:	February 13, 2012

STUDENT TRAINING

Lectures (Summer Term/Winter Term)

Microscopy – Cell Imaging Techniques
Faculty: Graduate School of Cellular & Molecular Neuroscience
Coordinator: Dr. Tobias Rasse

Model Organisms in Neurobiology
Faculty: Graduate School of Cellular & Molecular Neuroscience
Coordinator: Prof. Dr. Robert Feil

Cell Biochemistry in Model Organisms
Faculty: Faculty of Science, University of Tübingen
Coordinator: Prof. Dr. Gabriele Dodt

Seminar and Courses

Cell Biochemistry in Model Organisms
Coordinator: Prof. Dr. Gabriele Dodt

PHD THESES (COMPLETED IN 2012)

Applicant: Yao Zhang
The role of Kinesin-3 in regulating synaptic development in drosophila.
Supervisor: Dr. Tobias Rasse
Faculty: Faculty of Science, University of Tübingen

Applicant: Petra Füger
The drosphila neuromuscular junction as a model system to study the molecular mechanisms of neurodevelopment and synaptic regeneration
Supervisor: Dr. Tobias Rasse
Faculty: Faculty of Science, University of Tübingen

Applicant: Jeannine Viola Kernber
Die Bedeutung von KInesin-1 und Kinesin-3 basiertem Transport für die Entwicklung und Stabilisierung von Drosophila melanogaster.
Supervisor: Dr. Tobias Rasse
Faculty: Faculty of Science, University of Tübingen

LIST OF PUBLICATIONS IN 2012 (IN ALPHABETICAL ORDER)

PEER REVIEWED ARTICLES

Albert MV, Catz N, **Thier P**, Kording K. Saccadic gain adaptation is predicted by the statistics of natural fluctuations in oculomotor function. Front Comput Neurosci. 2012;6:96:1-7. doi: 10.3389/fncom.2012.00096

Arai N, Lu M-K, Ugawa Y, **Ziemann U**. Effective connectivity between human supplementary motor area and primary motor cortex: a paired-coil TMS study. Experimental Brain Research 2012; 220:79-87

Appenzeller S, Thier S, Papengut F, Klein C, Hagenah J, Kasten M, **Berg D**, **Srulijes K, Gasser T,** Schreiber S, Deuschl G, Kuhlenbäumer G. No association between NOD2 variants and Parkinson's disease. Mov Disord. 2012 Aug;27(9):1191-2.

Baier B, **Suchan J, Karnath H-O**, Dieterich M. Neural correlates of disturbed perception of verticality. Neurology. 2012;78:728-735.

Balslev D, Himmelbach M, Karnath H-O, Borchers S, Odoj B. Eye proprioception used for visual localization only if in conflict with the oculomotor plan. J Neurosci. 2012;32:8569-8573.

Balslev D, Newman W, Knox PC. Extraocular muscle afferent signals modulate visual attention. Investigative Ophthalmol Vis Sci. 2012;53:7004-7009.

Balslev D, Siebner HR, Paulson OB, Kassuba T. The cortical eye proprioceptive signal modulates neural activity in higher-order visual cortex as predicted by the variation in visual sensitivity. Neuroimage. 2012; 61:950-956.

Beck H, Flynn K, Lindenberg KS, Schwarz H, Bradke F, **Di Giovanni S**, Knöll B. Serum Response Factor (SRF)-cofilin-actin signaling axis modulates mitochondrial dynamics. Proc Natl Acad Sci U S A. 2012 Sep 18;109(38):E2523-32

Berg D. Is pre-motor diagnosis possible? - The European Experience. Parkinsonism Relat Disord. 2012 Jan;18 Suppl 1:S195-8.

Berg D, Behnke S, Seppi K, **Godau J, Lerche S**, Mahlknecht P, **Liepelt-Scarfone I**, Pausch C, Schneider N, Gaenslen A, Brockmann K, **Srulijes K**, Huber H, **Wurster I**, Stockner H, Kiechl S, Willeit J, Gasperi A, Fassbender K, **Gasser T**, Poewe W. Enlarged hyperechogenic substantia nigra as a risk marker for Parkinson's disease. Mov Disord. 2012 Oct 31. [Epub ahead of print]

Berg D, Marek K, Ross GW, Poewe W. Defining at-risk populations for Parkinson's disease: Lessons from ongoing studies. Mov Disord. 2012 Apr 15;27(5):656-65.

Berg D, Poewe W. Can we define "pre-motor" Parkinson's disease? Mov Disord. 2012 Apr 15;27(5):595-6.

Bittner T, Burgold S, Dorostkar MM, Fuhrmann M, **Wegenast-Braun BM**, Schmidt B, Kretzschmar H, Herms J. Amyloid plaque formation precedes dendritic spine loss. Acta Neuropathol. 2012;124:797-807.

Bolmont T, Bouwens A, Pache C, Dimitrov M, Berclaz C, Villiger M, **Wegenast-Braun BM**, Lasser T, Fraering PC. Label-Free Imaging of Cerebral-Amyloidosis with Extended-Focus Optical Coherence Microscopy. J Neurosci. 2012; 32:14548-56.

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