

Annual Report 2017

APPENDIX





Content

Appendix

UNIVERSITY HOSPITAL OF NEUROLOGY



DEPARTMENT OF NEUROLOGY WITH NEUROVASCULAR
MEDICINE AND NEURO-ONCOLOGY



DEPARTMENT OF NEUROLOGY AND EPILEPTOLOGY



DEPARTMENT OF NEURODEGENERATIVE DISEASES



DEPARTMENT OF COGNITIVE NEUROLOGY



DEPARTMENT OF CELLULAR NEUROLOGY



INDEPENDENT RESEARCH GROUPS



PUBLICATIONS AND STUDENT TRAINING IN 2017



University Hospital of Neurology



Clinical Staff

HEAD OF NURSING SERVICES

Dr. Renate D. Fuhr
(Head of Nursing Services)

Doris Stenske-Bader
(Deputy Head of Nursing Services)

Adriana Hurcikova
(Division Manager, Ward 46/24/27)

Olga Krämer
(Deputy Division Manager,
Ward 46/24/27)

Christine Reuter
(Ward Manager, Ward 20)

Gerda Weise
(Deputy Ward Manager, 20)

WARD 46

Diana Arko
Annette Eisele
Karl Andrew Gallar
Joann Gallo
Corinna Kalmbach
Gabriele Kern-Braun
Renate Maier-Korneck
Bettina Mollenhauer
Lisa Nickel
Iris Sadowski
Sarah Schneider
Ulrike Schweizer
Gudrun Siegl
Birgit Weimar

WARD 43

Luther Basa
Meike Besser
Önder Bilen
Roslyn Chin
Friedhelm Chmell
Michelle Dupke
Rebecca Fais
Maria Flohr
Jay Carl Garcia
Alice Hoffmann
Tobias Illhardt
Eva Kern
Dorothe Pacholleck
Nicole Steiner
Sina Westbomke

WARD 44 INTENSIVE CARE/ STROKE UNIT

Andrea Albrecht
Nina Begemann
Karin Brunner
Abrar Döger
Laura Gabriele
Tobias Göttermann
Susanne Grumann
Carmen Haag
Frank Hauber
Kathrin Haug
Marc-Sebastian Haug
Stefanie Herholz
Regina Johner
Sandra Kästner
Petra Kaschowitz
Lothar Kunz
Ines Lange
Christine Löffler
Giusi Marchese
Christine Moosmann
Birgit Moryson
Markus Müller
Petra Nipprasch
Claudia Romeikat
Thomas Rottmann
Mirjam Schafer
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Lena Seelmann
Brigitte Steinau
Tanja Striebich
Gudrun Wamsler-Lutz
Angelika Weber
Bettina Weisser
Eva Wener-Buck
Dieter Zeller
Michelle Zimmermann
Ulrike Zimmermann

WARD 45

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Johanna Eisele
Isaac Emwinghare
Tatjana Graz
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Werner Hansen
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Michael Heymann
Sevbenur Ibrahimova
Beate Kloster
Andrea Langmann
Annika Löweke
Kevin Lux
Alisa Mansour-Tokovic
Banu Sahin
Katrin Schindl
Karola Schweinbenz
Anja Siegle
Zoe Weigel
Katharina Wehner
Nadine Wolter

NURSING ASSISTANTS

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Christina Tomschitz
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TECHNICIANS

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Evelyn Dubois (CFS Chemistry)
Irina Köhnlein (Nurse)
Renate Mahle (EEG Neurosonography)
Yvonne Schütze
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Veronika Serwotka (Nerve conduction)
Elke Stransky (CSF Chemistry)
Deborah Tünnerhoff-Barth
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Nathalie Vetter
(ENG Neurosonography)
Kathrin Vohrer (EEG, EP)
Barbara Wörner (EEG)

SECRETARIES

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Martina Pabst

Department of Neurology with Neurovascular Medicine and Neuro-Oncology



Clinical and Scientific Staff

HEAD OF THE DEPARTMENT

Prof. Dr. Ulf Ziemann

GROUP LEADERS/ATTENDING PHYSICIANS

Prof. Dr. Hermann Ackermann
Dr. Rainer Greulich (Cardiologist)
Dr. Markus Kowarik (since 11/2017)
Dr. Markus Krumbholz
Dr. Annerose Mengel (since 05/2017)
Dr. Florian Müller-Dahlhaus (10% after 07/2016)
Prof. Dr. Ulrike Naumann
Dr. Sven Poli, MSc
Dr. Johannes Rieger (5%)
Dr. Dennis Schlak (50%)
Prof. Dr. Dr. Ghazaleh Tabatabai
(Interdisciplinary Division of Neuro-Oncology)

SCIENTISTS/RESIDENTS

David Baur (since 03/2017)
Dr. Paolo Belardinelli
Dr. Til Ole Bergmann
Dr. Corinna Blum
Dr. Susanne Dietrich
Mohamed Yasser Elnaggar
Irina Gepfner-Tuma
Dr. Felix Geser (01-06/2017)
Dr. Pedro Caldana Gordon (since 09/2017)
Dr. Parameswari Govindarajan
Florian Härtig
Prof. Dr. Ingo Hertrich
Dr. Marilin Koch
Noemi Maros (since 02/2017)
Magdalena Mrozek (05-11/2017)
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Dr. Margarethe Paech (50%)
Dr. Justyna Przystal
Elisabeth Rexer
Dr. Hardy Richter
Dr. Christina Roggia
Dr. Christoph Ruschil
Dr. Natalie Schaworonkow (since 12/2017)
Vera Stadler (since 03/2017)
Maria-Ioanna Stefanou
Dr. Mihály Sulyok (since 12/2017)
Johannes Tünnerhoff
Charlotte Weyland (until 11/2017)
Dr. Martin Wolf (until 02/2017)
Dr. Lena Zeltner (until 11/2016)
Dr. Carl Moritz Zipser (until 03/2017)
Dr. Brigitte Zrenner
Dr. Christoph Zrenner

TECHNICAL STAFF/ADMINISTRATION

Dipl.-Ing. Rüdiger Berndt (Electronics,
together with the Dept. of Cognitive Neurology)
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Sandra Gäßler-Kegelmann, MBa (since 04/2017)
Sarah Hendel
Marion Jeric
Anna Kempf
Gabriele Kuebart
Kerstin Sahlmann (02-09/2017)
Matthias Scholl (since 10/2017)
Elke Stransky
Julia Zeller

PHD STUDENTS

Angela Armento (Supervisor Prof. Dr. Naumann)
Denis Canjuga (Supervisor Prof. Dr. Dr. Tabatabai)
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Debora Desideri (Supervisor Prof. Dr. Ziemann)
Bingshuo Li (Supervisors Prof. Dr. Schwarz, Prof. Dr. Ziemann)
Srinath Rajaraman (Supervisor Prof. Dr. Dr. Tabatabai)
Sonja Schötterl (Supervisor Prof. Dr. Naumann)
Yi Wang (Supervisors Prof. Dr. Ziemann, Dr. Sven Poli)

MASTER STUDENTS

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Rajka Sieger (Supervisor Prof. Dr. Dr. Tabatabai)

MEDICAL DOCTORAL STUDENTS

Abdullah Alekuzei (Supervisor Prof. Dr. Naumann)
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Miriam Thies (Supervisor Prof. Dr. Ziemann)
Natalia Tveriakhina (Supervisor PD Dr. Bischof)
Xueyu Yang (Supervisor Prof. Dr. Ziemann)

PROFESSORSHIP FOR NEUROREHABILITATION

Prof. Dr. Hermann Ackermann
Prof. Dr. Ingo Hertrich

Clinical Studies

STROKE STUDIES

ACTION II (EudraCT: 2015-004783-11): A multicenter, double-blind, placebo-controlled, randomized, parallel-group study to evaluate the safety and efficacy of intravenous natalizumab (BG00002) on reducing infarct volume in acute ischemic stroke

Investigator: Dr. Sven Poli

ANNEXA-4: Prospective, open-label study of Andexanet alfa in patients receiving a factor XA-Inhibitor who have acute major bleeding

Investigator: Dr. Sven Poli

ATTICUS: Apixaban for treatment of embolic stroke of undetermined source

Investigator: Dr. Sven Poli

CAPIAS: The carotid plaque imaging in acute stroke (CAPIAS) study: protocol and initial baseline data

Investigator: Prof. Dr. Ulf Ziemann

CL1-44819-004: Randomized Efficacy and Safety Trial with Oral S 44819 after Recent Ischemic Cerebral Event

Investigator: Prof. Dr. Ulf Ziemann

DS1040_A_U103: Safety, Pharmacokinetics and pharmacodynamics of DS1040B in Subjects with Acute Ischemic Stroke

Investigator: Dr. Sven Poli

ECASS-4 (EudraCT: 2012-003609-80): European cooperative acute stroke study-4 extending the time for thrombolysis in emergency neurological deficits, (ECASS-4: EXTEND).

Investigator: Dr. Sven Poli

EuroHYP1 (EudraCT: 2012-002944-25): European multicenter, randomised, phase III clinical trial of therapeutic hypothermia plus best medical treatment versus best medical treatment alone for acute ischaemic stroke.

Investigator: Dr. Sven Poli

LYSA: Beobachtungsstudie zur Untersuchung des inhaltlichen Verständnisses eines Aufklärungsgesprächs zur Thrombolyse bei ischämischem Schlaganfall

Investigator: Dr. Sven Poli

MISTIE III: Minimally Invasive Surgery plus rt-PA for ICH Evacuation Phase III

Investigator: Dr. Sven Poli

Precious: PREvention of Complications to Improve Outcome in elderly patients with acute Stroke. A randomised, open, phase III, clinical trial with blinded outcome assessment

Investigator: Dr. Sven Poli

Prodast: Prospective Record Of the use of Dabigatran in patients with Acute Stroke or TIA

Investigator: Dr. Sven Poli

RASUNOA-Prime: Register für Akute Schlaganfälle Unter Neuen Oralen Antikoagulantien - Prime

Investigator: Dr. Sven Poli

RESPECT CVT: A clinical trial comparing efficacy and safety of dabigatran etexilate with warfarin in patients with cerebral venous and dural sinus

Investigator: Dr. Sven Poli

RESPECT ESUS: Randomized, double-blind Evaluation in secondary Stroke Prevention comparing the Efficacy and safety of the oral Thrombin inhibitor dabigatran etexilate (110 mg or 150 mg, oral b.i.d.) versus acetylsalicylic acid (100 mg oral q.d.) in patients with Embolic Stroke of Undetermined Source

Investigator: Dr. Sven Poli

REVACEPT (EudraCT-Nr.: 2011-001006-10): An inhibitor of platelet adhesion in symptomatic carotid stenosis: A phase II, multicenter, randomized, dose-finding, double-blind and placebo controlled superiority study with parallel groups.

Investigator: Dr. Sven Poli

Risikostratifizierung von Schlaganfallpatienten durch Analyse der autonomen Funktion (AKF-Programm)

Investigators: Prof. Dr. Christine Meyer-Zürn,

PD Dr. Jennifer Diedler

SITSopen: An open, prospective, international, multicentre, controlled study of safety and efficacy of thrombectomy in acute occlusive stroke following initiation with intravenous thrombolysis with alteplase in accordance with accepted guidelines, compared to intravenous thrombolysis only

Investigators: Dr. Sven Poli, Prof. Dr. Ulrike Ernemann

SPOCT-NOAC 1: Specific Point-of-Care Testing of Coagulation in Patients Treated with Non-Vitamin K Antagonist Oral Anticoagulants – Part Ia/b
Investigator: Dr. Sven Poli

WakeUP (EudraCT: 2011-005906-32): Efficacy and safety of MRI-based thrombolysis in wake-up stroke. A randomised, double-blind, placebo-controlled trial
Investigator: Dr. Sven Poli

NEUROIMMUNOLOGY STUDIES

CASTING (EudraCT-Nr. 2015-005597-38): A study of Ocrelizumab in participants with Relapsing Remitting Multiple Sclerosis (RRMS) who have had a suboptimal response to an adequate course of Disease-Modifying Treatment (DMT)
Investigator: Prof. Dr. Ulf Ziemann

CD-IA-MEDI-551-1155 – Medi-551 (EudraCT Nr. 2014-000253-36): A double-masked, placebo-controlled study with open-label period to evaluate the efficacy and safety of MEDI-551 in adult subjects with neuromyelitis optica and neuromyelitis optica spectrum disorder
Investigator: Dr. Markus Krumbholz

CFTY720D2406 PASSAGE (NIS – Phase 4): Prospektive, nicht-interventionelle, multinationale Studie mit Parallel-Kohorten zur Bewertung der Langzeit-Sicherheit in Patienten mit MS, deren Behandlung kürzlich auf tägliche Fingolimod-Gabe umgestellt wurde oder die mit einer anderen zugelassenen krankheitsmodifizierenden Therapie behandelt werden
Investigator: Dr. Markus Krumbholz

CFTY720DDE02 PANGAEA (NIS – Phase 4): 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
Investigator: Dr. Markus Krumbholz

CFTY720DDE17 START (EudraCT-Nr. 2012-000653-32): A 1-week, open-label, multicenter study to explore conduction abnormalities during first-dose administration of Fingolimod in patients with relapsing-remitting multiple sclerosis
Investigator: Dr. Markus Krumbholz

CFTY720D2399 Longterms (EudraCT-Nr. 2010-020515-37): 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.
Investigator: Prof. Dr. Ulf Ziemann

Competence Network MS – Concerted Action on Biomarker for Individualized Multiple Sclerosis Therapy in Germany (Control MS): Prospective cohort study in patients with clinically isolated syndrome (CIS) and early-stage multiple sclerosis.
Investigator: Prof. Dr. Ulf Ziemann

DIFUTURE/ProVal-MS – BMBF-supported, Prospective study to validate a multidimensional risk score (DIFUTURE-MSRS) which predicts the 24-month outcome in early Multiple Sclerosis patients)
Investigator Tübingen: Prof. Dr. Ulf Ziemann

Dimethyl fumarate: Influence of Dimethyl fumarate (DMF) on fMRI markers of cortical resting state network connectivity in relapsing remitting multiple sclerosis (RRMS)
Investigator: Prof. Dr. Ulf Ziemann

ENSEMBLE (EudraCT Nr. 2016-002937-31: This is a prospective, multicenter, open-label, single-arm, phase 3b study which evaluates effectiveness and safety of ocrelizumab in participants with early stage RRMS. The study will consist of an open-label treatment period of 192 weeks and follow-up period of at least 48 weeks.
Investigator: Dr. Markus Krumbholz

Pangaea 2.0 (CFTY720DDE26): Post-Authorization Non-interventional GermAn treatment benefit study of GilEnYA in MS).
Investigator: Dr. Markus Krumbholz

REGIMS Register: Ein Immuntherapieregister zur Verbesserung der Arzneimittelsicherheit in der MS-Therapie
Investigator: Dr. Markus Krumbholz

TMP001_MS (EudraCT Nr. 2014-004483-38): TMP001 in relapsing-remitting multiple sclerosis: a multicentre open, baseline-controlled phase IIa clinical trial.
Investigator: Prof. Dr. Ulf Ziemann

Clinical Studies

NEUROIMMUNOLOGY STUDIES

TRUST (GER-TYS-14-10626): Eine multizentrische, prospektive, nicht-interventionelle Studie zur Untersuchung der Auswirkung eines integrierten Patientenmanagements, inklusive Biomarkern, Magnetresonanztomographie und Expertenrat auf den Krankheitsverlauf bei Patienten mit schubförmiger Multipler Sklerose, die seit mindestens 12 Monaten mit TYSABRI behandelt wurden.

Investigator: Dr. Markus Krumbholz

Vision (EudraCT-Nr. 2014-000395-26): A 3-year open-label, exploratory, single arm study to describe long term changes in the visual system of patients with relapsing remitting multiple sclerosis (RRMS) on oral dimethyl fumarate (VISION).

Investigator: Prof. Dr. Ulf Ziemann

WA 21493 OLE (EudraCT-Nr. 2007-006338-32): 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.

Investigator: Prof. Dr. Ulf Ziemann

WA21092 OPERA (EudraCT-Nr. 2010-020337-99): 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.

Investigator: Prof. Dr. Ulf Ziemann

WA25046 ORATORIO (EudraCT-Nr.2010-020338-25):

A phase III, multicenter, randomized, parallel-group, double-blinded, placebo-controlled study to evaluate the efficacy and safety of ocrelizumab in adults with primary progressive multiple sclerosis.

Investigator: Prof. Dr. Ulf Ziemann

NEUROONCOLOGY STUDIES RECRUITING TRIALS (OPEN FOR ENROLLMENT)

BMS-CA209-548 (NCT02667587): Study of Temozolomide Plus Radiation Therapy With Nivolumab or Placebo, for Newly Diagnosed Patients With Glioblastoma (GBM, a Malignant Brain Cancer) (CheckMate548)

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai
Sponsor: BMS

AbbVie M13-813 (NCT02573324): A study of ABT-414 in subjects with newly diagnosed Glioblastoma (GBM) with Epidermal Growth Factor Receptor (EGFR) amplification (Intelligence 1)

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai
Sponsor: RTOG and AbbVie

iMRI/5-ALA: A parallel group phase II trial to investigate maximum extent of resection based on iMRI versus 5-ALA
Lead Principal Investigators: PD Constantin Roder, Prof. Dr. Marcos Tatagiba

Sponsor: University Hospital Tübingen

NOA-10 (NCT01252459): Amino-acid PET versus MRI-guided re-irradiation in patients with recurrent Glioblastoma Multiforme (GLIOMA)

Investigator in Tübingen: Prof. Dr. Daniel Zips
Sponsor: University Hospital Freiburg

NOA-16 (NCT02454634): Phase I trial of IDH1-peptide vaccine in IDH1R132H-mutated grade III-IV gliomas

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai
Sponsor: University Hospital Heidelberg

Bayer 18239 (NCT02746081): Phase I study of BAY1436032 in Isocitrate Dehydrogenase-1 (IDH1)-mutant advanced solid tumors

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai
Sponsor: Bayer

EORTC 1320: Phase II trial in atypical and anaplastic meningioma

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai
Sponsor: EORTC

NEUROONCOLOGY STUDIES TRIALS IN TREATMENT AND FOLLOW-UP PHASE (ENROLLMENT CLOSED)

NOA12: Phase I/II trial exploring the combination of the compound BIBF120 with re-irradiation versus re-irradiation alone in progressive glioblastoma.

Investigator in Tübingen: Prof. Dr. Daniel Zips

Sponsor: University Hospital Heidelberg

BMS CA 209-498 (NCT02617589): Phase III trial of Nivolumab Compared to Temozolomide, Given With Radiation Therapy, for Newly-diagnosed Patients With Unmethylated Glioblastoma (GBM, a Malignant Brain Cancer) (CheckMate 498)

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai

Sponsor: BMS

EORTC1410/AbbVie M14-483 (NCT02343406): ABT-414 Alone or ABT-414 Plus Temozolomide vs. Lomustine or Temozolomide for recurrent glioblastoma (INTELLANCE 2)

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai

Sponsor: EORTC

CINC280X2204 (NCT01870726): Safety and efficacy of INC280 and Buparlisib (BKM120) in patients with recurrent glioblastoma

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai

Sponsor: Novartis

GAPVAC-101: A phase I study using an innovative individualized peptide-vaccination-based immunotherapy in newly diagnosed glioblastoma (www.gapvac.eu)

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai

Sponsor: Immatix GmbH, Tübingen

CeTeG (NCT01149109): Efficacy and safety study of Lomustine/Temozolomide combination therapy versus standard therapy for glioblastoma patients

Investigator in Tübingen: Prof. Dr. Dr. Ghazaleh Tabatabai

Sponsor: University Hospital Bonn

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

Investigator: Prof. Dr. Dr. Ghazaleh Tabatabai

Sponsor: EORTC

EORTC 26101 (NCT01290939): Bevacizumab and Lomustine for Recurrent GBM

Investigator: Prof. Dr. Dr. Ghazaleh Tabatabai

Sponsor: EORTC

Third-Party Funding

ONGOING GRANTS

Perception of speech at normal and ultra-fast syllable rates – functional neuroplasticity in blind subjects and its relation to the normal speech processing network (DFG HE 1573/6-2)

Project leader: Prof. Dr. Ingo Hertrich

Funding institution: Deutsche Forschungsgemeinschaft (DFG)

Cardiac Autonomic Function for Risk Prediction in Cryptogenic Stroke (CRYPTIC-Study)

Project leaders: Prof. Dr. Christine Meyer-Zürn, Dr. Sven Poli, Prof. Dr. Jennifer Diedler

Funding institution: Medtronic

Erforschung der molekularen Mechanismen einer ISCADOR Behandlung des Glioblastoms

Project leader: Prof. Dr. Ulrike Naumann

Funding institution: Innovationsstiftung Ulrike Sauer, Förderverein komplementärmedizinische Forschung

Funktionelle und therapeutische Bedeutung einer Behandlung des Glioblastoms mit Mistellektinen

Project leader: Prof. Dr. Ulrike Naumann

Funding institution: Software AG

Influence of tumor irradiation on glioma therapy using the oncolytic adenovirus Ad-Delo3-RGD

Project leader: Prof. Dr. Ulrike Naumann

Funding institution: Else-Übelmesser-Stiftung

Penumbra Rescue by normobaric O₂ Administration in patients with ischemic Stroke and target mismatch profile:

A phase II Proof-of-Concept Trial

Project leader: Dr. Sven Poli

Funding institution: European Commission

Interdisciplinary translational Neuro-Oncology from molecular alterations to patient stratification and therapy

Project leader: Prof. Dr. Dr. Ghazaleh Tabatabai

Funding institution: Medical Faculty Tübingen

Individualizing the treatment of CNS Metastases

Project leader: Prof. Dr. Dr. Ghazaleh Tabatabai

Funding institution: Medical Faculty Tübingen

EKFS-Forschungskolleg „Therapieresistenz solider Tumore“

Project leader: Prof. Dr. Dr. Ghazaleh Tabatabai

Funding institution: Else Kröner Fresenius-Stiftung

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)

Correlated oscillations as biomarkers of neuronal dysfunction in multiple sclerosis

Project leaders: Prof. Dr. Ulf Ziemann, Prof. Dr. Markus Siegel

Funding institution: Werner Reichardt Centre for Integrative Neuroscience (CIN)

Strengthening the SMA-M1 connection of human motor cortex by a novel non-invasive brain stimulation protocol to enhance motor performance and learning (DFG ZI 542/7-1)

Project leader: Prof. Dr. Ulf Ziemann

Funding institution: German Research Foundation (DFG)

Drug Repositioning for Multiple Sclerosis – DrugRep-Teilvorhaben Zentrale Studienleitung (BMBF 16GW0059)

Project leader: Prof. Dr. Ulf Ziemann

Funding institution: Federal Ministry of Education and Research (BMBF)

Influence of Dimethylfumarate (DMF) on fMRI markers of cortical resting state network connectivity in relapsing remitting multiple sclerosis (RRMS)

Project leader: Prof. Dr. Ulf Ziemann

Funding institution: Biogen Idec GmbH

Inhibition in the somatosensory system: an integrated neuropharmacological and neuroimaging approach

Project leaders: Prof. Dr. Ulf Ziemann,

Prof. Dr. Christoph Braun

Funding institution: Werner Reichardt Centre for Integrative Neuroscience (CIN)

Implantable, bidirectional brain-computer-interface for restoration of motor functions (MOTOR-BIC)

Project leaders Tübingen: Prof. Dr. Niels Birbaumer,

Prof. Dr. Ulf Ziemann

Funding institution: Federal Ministry of Education and Research (BMBF)

Apixaban for treatment of embolic stroke of undetermined source (ATTICUS randomized trial)

Project leaders: Prof. Dr. Tobias Geisler, Prof. Dr. Ulf Ziemann
Funding institution: Bristol-Myers Squibbs

An exploratory study assessing TMS plasticity deficits in patients with AD and aMCI in comparison to healthy controls

Project leaders: Prof. Dr. Ulf Ziemann, Prof. Dr. Daniela Berg, Prof. Dr. Christoph Laske
Funding institution: Janssen Pharmaceuticals NV

Transcranial magnetic stimulation; Electroencephalography; TMS-EEG; human cortex; excitability; neuro-pharmacology; glutamatergic system; GABAergic system; voltage-gated ion channels; anticonvulsants (ZI 542/9-1)

Project leader: Prof. Ulf Ziemann
Funding institution: German Research Foundation (DFG)

Induction of brain plasticity with closed-loop EEG-triggered transcranial magnetic stimulation

Project leader: Dr. Christoph Zrenner
Funding institution: Medical Faculty University Tübingen, fortune Program

NEW GRANTS

The sensorimotor μ -rhythm as cholinergically controlled pulsed inhibition

Project leader: Dr. Til Ole Bergmann
Funding institution: German Research Foundation (DFG)

Assessment of YB-1 Dependent Oncolytic Adenovirus-Based Glioma-Virotherapy on Cellular Immune Responses (NA 770/4-1)

Project leader: Prof. Dr. Ulrike Naumann
Funding institution: German Research Foundation (DFG)

Wie beeinflussen Gliomzellen den Differenzierungsstatus von Perizyten tumor-assoziiertes Gefäße und damit angiogene Prozesse? Spielen EMT-Faktoren dabei eine Rolle?

Project leader: Prof. Dr. Ulrike Naumann
Funding institution: IZKF Promotionskolleg

Specific Point-of-Care Testing of Coagulation In Patients Treated with Edoxaban (SPOCT-Edoxaban)

Project leader: Dr. Sven Poli
Funding institution: Daiichi Sankyo

Multipeptide vaccination with a new immunomodulatory agent XS15 in newly diagnosed glioblastoma: a first in man phase 1 trial

Project leaders: Prof. Dr. Dr. Ghazaleh Tabatabai, Prof. Dr. Hans-Georg Rammensee
Funding institution: Medical Faculty

Phänotypisierung von Meningeomen

Project leader: Prof. Dr. Dr. Ghazaleh Tabatabai
Funding institution: Adolf Leuze-Stiftung

Combined inhibition of PD1 and CTLA4 in CNS metastases from malignant melanoma: a multicenter phase 2

investigator-initiated clinical trial
Project leaders: Prof. Dr. Claus Garbe, Prof. Dr. Dr. Ghazaleh Tabatabai
Funding institution: Bristol-Myers Squibbs

DIFUTURE/ProVal-MS – Prospective study to validate a multi-dimensional risk score (DIFUTURE-MSRS) which predicts the 24-month outcome in early Multiple Sclerosis patients)

Project leader Tübingen: Prof. Dr. Ulf Ziemann
Funding institution: Federal Ministry of Education and Research (BMBF)

EXIST Forschungstransfer: NEUROSYNC

Project leader: Dr. Christoph Zrenner
Funding institution: Federal Ministry of Education and Research (BMBF)

Induction of brain plasticity with closed-loop EEG-triggered transcranial magnetic stimulation

Project leader: Dr. Christoph Zrenner
Funding institution: Medical Faculty University Tübingen, Clinician Scientist Program

Awards

Prof. Dr. Ulrike Naumann

“Best Abstract”; 22nd World Congress on Advances in Oncology and 20th International Symposium on Molecular Medicine, Athens

Prof. Dr. Dr. Ghazaleh Tabatabai

Listing “Top physician 2017” (Focus, Hirntumore)

Prof. Dr. Ulf Ziemann

Listing “Top Physicians 2017” (Guter Rat)

Medical Theses

(Completed in 2017)

Ruth Haas

N-Glykosylierung von T Helfer Zell-Populationen bei Patienten mit Multipler Sklerose

Supervisor: PD Dr. Felix Bischof

Claudius Speer

Der Effekt von Tocilizumab auf terminal differenzierte Lymphozyten bei Patienten mit Rheumatoider Arthritis

Supervisor: PD Dr. Felix Bischof

Benjamin Walz

Der Effekt von Natalizumab auf terminal differenzierte Lymphozyten bei Patienten mit Multipler Sklerose

Supervisor: PD Dr. Felix Bischof

Master Theses

(Completed in 2017)

Miriam Grunau

Zweitspracherwerb per App: Vokabeln lernen mit visueller Animation und motorischer Interaktion

Supervisor: Prof. Dr. Ingo Hertrich

Anna-Lena Kast

Verfällt die deutsche Sprache? Sprachwandel im Deutschen, der Einfluss des Englischen und die Entwicklung des Stellenwerts der deutschen Sprache in den vergangenen Jahrzehnten – Die Verarbeitung temporär ambiger Sätze in Abhängigkeit vom Kontext - Güte und Reaktionszeit

Supervisor: Prof. Dr. Ingo Hertrich

Alisa Selent

Die Verarbeitung temporär ambiger Sätze in Abhängigkeit vom Kontext – Güte und Reaktionszeit

Supervisor: Prof. Dr. Ingo Hertrich

Bachelor Theses

(Completed in 2017)

Clara García

What can we learn from nonhuman primate communication about the evolution of human language?

Supervisor: Prof. Dr. Ingo Hertrich

Anne-Kathrin Mahlke

Phonological and semantic priming of accelerated speech

Supervisor: Prof. Dr. Ingo Hertrich

Jennifer Theresia Miemietz

Expression des Gangliosides und ML-1 Rezeptors CD75s auf Gliomzellen und GBM-Biopsieproben

Supervisor: Prof. Dr. Ulrike Naumann

Lisa Rahm

Speech Production Abilities, Cognition and Cerebral Abnormalities in Children with Down Syndrome

Supervisor: Prof. Dr. Ingo Hertrich

Sabrina Ross

Intraoperatives Testen von Sprachfunktionen – Zwischen Forschung und Praxis

Supervisor: Prof. Dr. Ingo Hertrich

Conferences & Workshops

Interdisziplinäre Therapietagung der klinischen Neurowissenschaften Tübingen

University Hospital Tübingen, 30 June – 1 July 2017

Scientific Coordinator: Prof. Dr. Dr. Ghazaleh Tabatabai

International Meningioma Meeting

University Hospital Tübingen 1-2 September 2017

Scientific Coordinators: Prof. Dr. Dr. Ghazaleh Tabatabai,

Prof. Dr. Marcos Tatagiba

19. Gemeinsame Herbsttagung der Klinik für Psychiatrie und Psychotherapie und des Zentrums für Neurologie des Universitätsklinikums Tübingen

University Hospital Tübingen, 20-21 October 2017

Scientific Coordinators: Prof. Dr. Andreas Fallgatter,

Prof. Dr. Ulf Ziemann, Dr. Benjamin Kreifelts,

Dr. Alexander Rapp, PD Dr. Matthias Synofzik

5. BW-Stroke Unit Symposium am Universitätsklinikum Tübingen

University Hospital Tübingen, 10 November 2017

Scientific Coordinator: Dr. Sven Poli

Guest Researchers

Prof. Dr. Luis Velazquez-Perez, Cuba

(Awardee of a Georg Forster Research Award of the Alexander-von-Humboldt Foundation)

Host: Prof. Dr. Ulf Ziemann

Department of Neurology and Epileptology



Clinical and Scientific Staff

HEAD OF THE DEPARTMENT

Prof. Dr. Holger Lerche

GROUP LEADERS/ATTENDING PHYSICIANS

Prof. Dr. Niels Focke (full time until 05/2017,
from 06/2017 on partially affiliated)
PD Dr. Tobias Freilinger
PD Dr. Alexander Grimm (50%;
other 50% Department of Neurology with Neurovascular
Medicine and Neuro-Oncology)
Prof. Dr. Yvonne Weber

SCIENTISTS/RESIDENTS

Dr. Eva Auffenberg
Murtadha Alshabaan
Felicitas Becker
Dr. Christian Boßelmann
Dr. Nele Dammeier
Dr. Katharina Friebe
Samira Hamzehian
Dr. Ulrike Hedrich
Dr. Yiwen Li Hegner
Julian Hofmeister
Josua Kegele
Dr. Silke Klamer
Kevin Klett
Dr. Henner Koch
Dr. Sandra Kruszynski
Dr. Stefan Lauxmann
Christina Lipski
Dr. Yuanyuan Liu
Florian Lutz
Dr. Pascal Martin
Dr. Justus Marquetand
Dr. Cristina Niturad (until 08/2017)
Dr. Joohyun Park
Dr. Julian Schubert
Dr. Victoria Schubert
Dr. Niklas Schwarz
Debora Vittore-Welliong
Dr. Nathalie Winter
Dr. Sophia Willikens
Dr. Stefan Wolking
Dr. Thomas Wuttke

**TECHNICAL STAFF/
ADMINISTRATION**

Dr. Patricia Beck (until 11/2017)
Ana Fulgencio-Maisch
Christian Hengsbach
Heidrun Löffler
Sarah Rau
Susanne Stimmler
Doris Wieder

MD/PHD STUDENTS

Adham Elshahabi
Merle Harrer
Haosi Huang
Mahmoud Koko
Robert Lauerer
Philipp-Justus Lühns
Raviteja Kotikalapudi
Nicole Kusch
Harshad Pannikkaveettil Ashraf
Filip Rosa
Hannah Schwarz
Theresa Simperl
Christina Stier
Niklas Vogel
Pu Yan

INTERNSHIPS

Gianfranco Chávez
Supervisor: Dr. Henner Koch

Kirsten Torge
Supervisor: Dr. Ulrike Hedrich

Clinical Studies

ZEDEBAC: A multicenter, open-label and non-interventional study to investigate Eslicarbazepinacetat in focal epilepsies
Investigator: Prof. Dr. Yvonne Weber

VALUE / SP0982: A double-blind, randomized, placebo-controlled, parallel-group, multicenter study to evaluate the efficacy and safety of lacosamide as adunctive therapy for uncontrolled primary generalized tonic-clonic seizures in subjects with IGE
Investigator: Prof. Dr. Yvonne Weber

BASE / EP0077: A 12-month noninterventional, postmarketing multicentre study to evaluate the effectiveness of brivaracetam as adjunctive therapy in patients with epilepsy with partial-onset
Investigator: Prof. Dr. Yvonne Weber

VIBES / EP0045: A noninterventional study of Vimpat (lacosamide) added to one baseline antiepileptic drug therapy in patients with brain tumor-related epilepsy
Investigator: Prof. Dr. Yvonne Weber

A multicenter, single-arm, open-label, post-marketing safety study to evaluate the risk of seizure among subjects with metastatic castration-resistant prostate cancer treated with enzalutamide who are at potential increased risk of seizure.
Investigator: Prof. Dr. Yvonne Weber

PredCh – Efficacy and safety of oral prednisone as add-on therapy in prophylactic treatment of episodic cluster headache: a randomized, placebo controlled parallel study
Investigator: PD Dr. Tobias Freilinger

GM-11 – a randomized, multicenter, double-blind, parallel, sham-controlled study of the gammaCore®-R, a non-invasive neurostimulator device, for the prevention of episodic migraine
Investigator: PD Dr. Tobias Freilinger

REGAIN / I5Q-MC-CGAI – a phase 3, randomized, double-blind, placebo-controlled study of LY2951742 in patients with chronic migraine
Investigator: PD Dr. Tobias Freilinger

EVOLVE-2 / I5Q-MC-CGAH – a phase 3, randomized, double-blind, placebo-controlled study of LY2951742 in patients with episodic migraine
Investigator: PD Dr. Tobias Freilinger

LIBERTY / CAMG334A2301 – a 12-week double-blind, randomized, multicenter study comparing the efficacy and safety of once monthly subcutaneous 140 mg AMG 334 against placebo in adult episodic migraine patients who have failed 2-4 prophylactic treatments.
Investigator: PD Dr. Tobias Freilinger

HeMiLa – Prophylactic treatment of hemiplegic migraine with lamotrigine
Investigator: PD Dr. Tobias Freilinger

UX007G-CL301 – a phase 3, randomized, double-blind, placebo-controlled, crossover study to assess the efficacy and safety of UX007 in the treatment of movement disorders associated with Glucose Transporter Type 1 Deficiency Syndrome (Glut1 DS).
Investigator: Prof. Dr. Yvonne Weber

EP0104 / Non-interventional Study – effectiveness of initiating brivaracetam add-on therapy in patients with epilepsy requiring a change in antiepileptic drug regimen: a retrospective data collection
Investigator: Prof. Dr. Holger Lerche

VOTE / EP0076 – Patient preferences in epilepsy monotherapy – a non-interventional study of lacosamide and other antiepileptic drugs in the treatment of partial-onset seizures, including a discrete choice experiment.
Investigator: Prof. Dr. Holger Lerche

Third-Party Funding

ONGOING GRANTS

**Pathophysiology of familial hemiplegic migraine:
Examination of a newly developed transgenic SCNC1A
mouse model**

Project leader: PD Dr. Tobias Freilinger

Funding institution: German Research Foundation (DFG)
(FR 3324/2-1)

**Pathophysiology of non-classical epileptic
encephalopathies (EE)**

Project leader: Prof. Dr. Yvonne Weber

Funding institution: German Research Foundation (DFG)
(WE 4896/3-1)

**Pathophysiology-triggered therapy of epileptic
encephalopathies**

Project leader: Prof. Dr. Yvonne Weber

Funding institution: AKF (Angewandte Klinische Forschung),
University of Tübingen

**Prophylactic treatment of hemiplegic migraine with
lamotrigine – a pilot study**

Project leader: PD Dr. Tobias Freilinger

Funding institutions: Centre for Rare Diseases, Tübingen;
AKF (Angewandte Klinische Forschung), University of
Tübingen

**Exploring the function of the central control of breathing
in mice with sodium-channel mutations causing epilepsy,
implications for sudden unexpected death in patients with
epilepsy (SUDEP)**

[Die zentrale Kontrolle der Atmung in Mäusen mit Natriumkanalmutationen, die Epilepsien verursachen und die Implikation für den plötzlichen unerwarteten Tod bei Epilepsie]

Project leader: Dr. Henner Koch

Funding institution: German Research Foundation (DFG)
(KO 4877/2-1)

Structural Highfield-d-MRI-Imaging in Epilepsy

Project participant: Dr. Pascal Martin

Funding institution: University of Tübingen (Pate)

Cooperation Genetic Research

Project leader: Prof. Dr. Holger Lerche

Funding institution: Université Lxembourg

DAAD PhD Stipendium

Project participant: Filip Rosa

Funding institution: DAAD

**Generation of a human disease model for epilepsy caused
by a sodium channel mutation**

Project participant: Dr. Niklas Schwarz

Funding institution: University of Tübingen (Pate)

Third-Party Funding

NEW GRANTS

Mechanisms underlying epileptic encephalopathies caused by human mutations in KCNA2 gene

Project leaders: Prof. Dr. Olga Garaschuk,

Prof. Dr. Holger Lerche

Funding institution: University of Tübingen
(CIN pool project)

DAAD PhD Stipendium

Project participant: Mahmoud Koko

Funding institution: DAAD

Network-Imaging in genetic epilepsy

Project leader: Prof. Dr. Niels Focke

Funding Institution: German Research Foundation (DFG) (FO 750/5-1)

Non-invasive vagal nerve stimulation (nVNS) for acute treatment of prolonged aura in hemiplegic migraine –

an open-label, single-arm, multiple attack pilot trial

Project leader: PD Dr. Tobias Freilinger

Funding institution: Centre for Rare Diseases

Trimodale Bildgebung humaner Hirnnetzwerke mittels simultaner PET/MR/EEG

Project leader: Prof. Dr. Niels Focke

Funding Institution: German Research Foundation (DFG)
FO 750/7-1

Entwicklung von Computermodellen zur Vorhersage der Auswirkungen von Ionenkanalmutationen auf neuronales Verhalten

Project participant: Dr. Stefan Lauxmann

Funding institution: University of Tübingen (Pate)

Die Effekte von Doxapram auf die Aktivität des Hirnstammes

Project participant: Dr. Sandra Kruszynski

(Pediatric Clinic, rotation to the HIH, Dr. Henner Koch)

Funding institution: University of Tübingen (Pate)

Effect of Eslicarbazepine on genetic gain-of-function mutations in voltage-gated Na⁺ channels causing epilepsies in young children

Project leaders: Prof. Dr. Holger Lerche, Dr. Stefan Lauxmann

Funding Institution: Bial

Neurological Clinical Problem Solving (Neuro-ClipS) Tübingen

Project leader: PD Dr. Tobias Freilinger

Funding institution: University of Tübingen,
PROFIL programme

Guest Physician Stipend

Project participant: Murtadha Alshabaan

Funding institution: Saudi-Arabien

Grant support for DFG Research Unit

Project leader: Prof. Dr. Holger Lerche

Funding institution: Medical Faculty University of Tübingen
and State of Baden-Württemberg

DFG-Research Unit FOR2715

'Epileptogenesis of genetic epilepsies'

Speaker: Prof. Dr. Holger Lerche

Funding institution: Deutsche Forschungsgemeinschaft
(DFG)

*Additional Funding by the FNR (Luxembourg):
including the following five grants:*

P1: Genetic mechanisms of epileptic encephalopathies

Project leader: Prof. Dr. Yvonne Weber

(with Ingo Helbig from Kiel University)

P2: Rare genetic factors in epileptogenesis

Project leader: Prof. Dr. Holger Lerche

*(with Michael Nothnagel from Cologne University and
Roland Krause from Luxembourg University)*

P5: Brain region-specific epileptogenesis in a conditional mouse model

Project leaders: Prof. Dr. Holger Lerche, Dr. Henner Koch

P6: Mechanisms of epileptogenesis in KCNA2-/SCN2A-mediated epilepsies

Project leader: Dr. Ulrike Hedrich

(with Prof. Dr. Olga Garaschuk from Tübingen University)

Z3: Central Management

Project leader: Prof. Dr. Holger Lerche

Master Theses

(Completed in 2017)

Kai Herz

Entwicklung und Implementierung einer automatisierten Subfeld-Segmentierung des Hippocampus und des Cortex in Hochfeld-MRT-Datensätzen

Supervisor: Prof. Dr. Niels Focke

Conferences & Workshops

Young Neurologists Summer School 2017

Tübingen, 1-5 August 2017

*Scientific coordinators: Prof. Dr. Holger Lerche,
Dr. Justus Marquetand, Dr. Eva Auffenberg,
Charlotte Weylandt, Dr. Benjamin Röben*

Epilepsy Genetics

Symposium at the Annual Meeting of the German Society of Epilepsy (DGfE)

Scientific coordinators: Prof. Dr. Yvonne Weber, PD Dr. Sarah von Spiczak (University of Kiel)

Seizure Detection Systems

Symposium at the Annual Meeting of the German Society for Neurology (DGN)

Scientific coordinator: Prof. Dr. Yvonne Weber

Department of Neuro- degenerative Diseases



Clinical and Scientific Staff

HEAD OF THE DEPARTMENT

Prof. Dr. Thomas Gasser

DEPUTY HEAD OF THE DEPARTMENT

Prof. Dr. Ludger Schöls

GROUP LEADERS/ATTENDING PHYSICIANS

Prof. Dr. Daniela Berg
Dr. Dr. Saskia Biskup
Dr. Kathrin Brockmann
Dr. Dr. Michela Deleidi
Prof. Dr. Philipp Kahle
Prof. Dr. Rejko Krüger
PD Dr. Inga Liepelt-Scarfone
Prof. Dr. Walter Maetzler (until 09/2017)
PD Dr. Rebecca Schüle
Dr. Javier Simón-Sánchez (jointly with DZNE)
PD Dr. Matthias Synofzik
PD Dr. Daniel Weiß

SCIENTISTS/RESIDENTS/PHD STUDENTS

Burcu Atasu
Sara Becker
Dr. Friedemann Bender
Dominik Blum
Dr. Kathrin Brockmann
Christine Bus
Andres Caballero
Silvia De Cicco
Morad Elshehabi
Dr. Julia Fitzgerald
Dr. Monika Fruhmann-Berger
Dr. Natalja Funk
Jorge Garcia Morato
Dr. Sven Geisler
Anamika Giri
Idil Hanci
Dr. Friederike Hans
Dr. Stefan Hauser
Dr. Stefanie Hayer
Dr. Holger Hengel
Philip Höflinger
Dr. Jennifer Just
Stefanie Krüger
Dr. Stefanie Lerche
PD Dr. Inga Liepelt-Scarfone
Dr. Ebba Lohmann
Maike Nagel
Zhen Peng
Dr. Tim Rattay
Erik Riesch

Dr. Benjamin Roeben
 Dr. Lorenzo Roncoroni
 Dr. Carola Rotermund
 Dr. Anna Schöllmann
 Dr. Marlieke Scholten
 David Schöndorf
 Claudia Schulte
 Stefanie Schuster
 Katharina Stegen
 Patrizia Sulzer
 Ulrike Sünkel
 Catherine Thömmes
 Zuzanna Tkaczynska
 Dr. Dr. Andreas Traschütz
 Ulrike Ulmer
 Dr. Adam Vogel
 Dr. Sarah Wiethoff
 Dr. Carlo Wilke
 Dr. Richard Wüst
 Dr. Isabel Wurster
 Milan Zimmermann

TECHNICAL STAFF/ ADMINISTRATION

Maren Albers
 Marcel Armbruster
 Cindy Boden (03/2017)
 Friedhelm Chmell (since 10/2017)
 Christian Deuschle
 Katrin Dillmann
 Christian Erhardt
 Dr. Jutta Eymann
 Dr. Bettina Faust
 Elke Feil
 Christine Haaga (until 01/2017)
 Ann-Kathrin Hauser
 Tanja Heger
 Heiderose Heiss
 Ella Hilt
 Susanna Hoffmann
 Dina Ivanjuk
 Marina Karakhanyan (since 05/2017)
 Mirjam Knöll
 Jürgen Kronmüller (until 09/2017)
 Manuela Kübler (since 02/2017)
 Isolde Marterer
 Corina Maetzler (until 09/2017)

Petra Mech
 Katja Michaelis
 Marita Munz (until 06/2017)
 Susanne Nussbaum
 Dr. Angelika Oehmig
 Miriam Peleman
 Ina Posner
 Selina Reich
 Jennifer Reichbauer
 Elisabeth v. Schalkwyk
 Yvonne Schelling
 Lukas Kristoffer Schwarz
 (until 04/2017)
 Susanne Stimmler
 Dr. Anna-Katharina v. Thaler
 Doris Wieder
 Cong Yu
 Maria Zarani

MEDICAL DOCTORAL STUDENTS

Grammato Amexi-Olibia
 Raphael Barbe
 Carolin Bellut
 Kristina Bettecken
 Aline Beyle
 Jan-Hinrich Busch
 Gabriela Carvajal
 Bernhard Cerff
 Meltem Ciliz
 Steffen Dengler
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 Alexandra Gutfreund
 Elena Hager
 Jochen Hallwachs

Linda Härtner
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 Kim-Susann Hennefarth
 Hanna Hentrich
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 Svenja Hucker
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 Sandra Lachenmaier
 Lena Löffler
 Katrin Maier
 Julian Meinhardt
 Sascha Otterbein
 Sylvia Pflederer
 Kathrin Prah
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 Pavel Saraykin
 Jennifer Sartor
 Alina Schermann
 Anna Schöllmann
 Patricia Schöpfer
 David Scheibner
 Johannes Sprengel
 Jana Stäbler
 Lena Stetz
 Stefan Streich
 Inga Caroline Thielker
 Margarete Teresa Walach
 Melanie Wayand
 Sofie Weiss
 Katarzyna Wojcik
 Laura Zaunbrecher
 Florian Zirbs

Clinical and Scientific Staff

MASTER & BACHELOR STUDENTS

Sarah Dölker
Marie Gauder
Hanna Glasebach
Madeline Nagel
Rebecca Rinas
Srinethe Saravanan
David Skrabak
Fabienne Waga

DIPLOMA STUDENTS

Rahel Lewin

TRAINEES

Huong Giang Hoang

BUNDESFREIWILLIGEN-DIENSTLEISTERINNEN

Jonathan Göth
Sina Kurz (until 08/2017)
Pascal Marx
Ina Wiedmann (until 03/2017)

Clinical Studies

Ergotherapie bei Essentiellem Tremor (ET):

a monocenter single blind study to evaluate the symptomatic effect of ergotherapy on ET

Investigators: Dr. Isabel Wurster, Prof. Dr. Daniela Berg

Ergotherapie bei Parkinson (PD):

a monocenter single blind study to evaluate the symptomatic effect of ergotherapy on PD

Investigators: Dr. Eva Schäffer, Prof. Dr. Daniela Berg

Training PD: a monocenter center study assessing the clinical and neuroimaging effect of various trainings (physiotherapy, brain games, exergaming) in PD.

Investigators: Dr. Eva Schäffer, Dr. Benjamin Roeben, Prof. Dr. Daniela Berg

PPMI – The Parkinson’s Progression Markers Initiative

(please see: <http://www.ppmi-info.org/>)

Multicenter longitudinal observational study in PD

Investigators: Dr. Kathrin Brockmann

P-PPMI (please see also: Fox-Trial-Finder): **Prodromal**

Parkinson’s Progression Markers Initiative: Multicenter

longitudinal observational study in individuals at risk for PD

Investigators: Dr. Kathrin Brockmann

PPMI Genetic Cohort: Multicenter longitudinal

observational study in genetic PD

Investigators: Dr. Kathrin Brockmann

ABC-PD: monocenter longitudinal study on the predictive value of CSF abeta-pathology for PD dementia.

Investigators: PD Dr. Inga Liepelt-Scarfone,

Prof. Dr. Daniela Berg, Prof. Dr. Walter Maetzler

DEMPARK / LANDSCAPE: multicenter longitudinal observational study on dementia in Parkinson’s disease.

Investigators: PD Dr. Inga Liepelt-Scarfone, Sara Becker,

Prof. Dr. Daniela Berg

Kognitive Mechanismen der Blasenschwäche bei Morbus Parkinson

Investigators: PD Dr. Inga Liepelt-Scarfone,

Zuzanna Tkaczynska, Prof. Dr. Daniela Berg

TMS-AD: An exploratory study assessing TMS plasticity deficits in patients with AD and aMCI in comparison to healthy controls

Investigators: Andrea Pilotto, PD Dr. Inga Liepelt-Scarfone, Patricia Sulzer, Prof. Dr. Daniela Berg

TREND-Studie (Tübinger evaluation of Risk factors for Early detection of NeuroDegeneration): Monocenter longitudinal observational study on individuals at high risk for PD to determine the value of risk, prodromal and progression markers in the prodromal phase. Please see also: <http://www.trend-studie.de/english/>

Investigators: group of Prof. Dr. Walter Maetzler and Prof. Dr. Daniela Berg

iMed-Studies: within this German-wide project, Tübingen is involved in several studies to understand the relation of Parkinson's disease and diabetes.

These include:

- 1) Serologic infectious markers and oral microbiom in relation to neuro-degenerative diseases and HbA1c values
- 2) Evaluation of the influence of diabetes and prediabetes on cognitive markers
- 3) Genomic stratification of a subgroup of PD patients with diabetes
- 4) Evaluation of hypoglycemia and cognitive decline in a cohort of diabetes patients
- 5) Association of plasma A β 40 peptides with coronary artery disease and diabetes mellitus
- 6) Targeted proteomics for prediction of diabetes and neurodegeneration
- 7) Changes in carbohydrate intake in PD
- 8) Metabolomics in PD-Patients with Diabetes. A cooperation with CETICS Health Solutions GmbH

Investigators: Dr. Eva Schäffer, Dr. Benjamin Roeben, Prof. Dr. Daniela Berg

MIGAP: (Markers in GBA-associated PD) multicenter study of the DZNE to detect biomarkers and protective factors in GBA-associated PD.

Investigators: Dr. Kathrin Brockmann, Prof. Dr. Thomas Gasser

PDdementia: A BMBF-funded study to assess Biomarkers for dementia in PD using Cell Models and human CSF

Investigators: Dr. Kathrin Brockmann, Prof. Dr. Thomas Gasser

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: Dr. Tobias Wächter, Dr. Kathrin Brockmann, Prof. Dr. Thomas Gasser

A94-52120-165: A national, multicenter, non-interventional, prospective, longitudinal study of treatment with botulinum toxin A injections in previously treated or untreated patients with cervical dystonia (Dysport®).

Investigators: Dr. Tobias Wächter, Dr. Ebba Lohmann, Prof. Dr. Thomas Gasser

A 94-52120-174: An international, multicenter, non-interventional, prospective, longitudinal study to investigate the effectiveness of botulinum toxin A (Dysport®) injections in patients suffering from post-stroke arm spasticity with respect to early, medium or late start of treatment.

Investigators: Dr. Katerina Freitag, Prof. Dr. Thomas Gasser

AGN191622: BOTOX prophylaxis in chronic migraine.

An international, multicentre, non-interventional, prospective study of treatment with botulinum toxin A injections in patients with chronic migraine.

Investigators: Dr. Katerina Freitag, Prof. Dr. Thomas Gasser

ETAM: Validierungsstudie des Erlangen Test of Activities of Daily Living in Persons with Mild Dementia or Mild Cognitive Impairment (ETAM) bei Parkinson Patienten mit leichten kognitiven Einschränkungen

Investigators: PD Dr. Inga Liepelt-Scarfone, Patricia Sulzer

Klinische Charakterisierung der Parkinson Demenz:

detaillierte Beschreibung und Identifikation von PDD Subgruppen aufgrund des kognitiven, genetischen, motorischen und nicht-motorischem klinischen Profils und deren Progression der Erkrankung über einen Verlauf von zwei Jahren

Investigators: PD Dr. Inga Liepelt-Scarfone, Sara Becker, Patricia Sulzer

Clinical Studies

Study B7601011: “A 15-week, phase 2, double blind, randomized, placebo controlled, flexible dose study to investigate the efficacy, safety and tolerability of PF-06649751 in subjects with early stage Parkinson’s disease”

*Investigators: Dr. Kathrin Brockmann,
PD Dr. Inga Liepelt-Scarfone, Prof. Dr. Thomas Gasser*

ACT14820-MOVES-PD: Multizentrische, randomisierte, doppelblinde, placebokontrollierte Studie zur Beurteilung der Wirksamkeit, Sicherheit, Pharmakokinetik und Pharmakodynamik von GZ/SAR402671 bei Patienten mit Morbus Parkinson im Frühstadium, die eine GBA-Mutation oder eine vorspezifizierte Variante tragen

*Investigators: Dr. Kathrin Brockmann,
PD Dr. Inga Liepelt-Scarfone, Prof. Dr. Thomas Gasser*

TrainParC: Cognitive training for treatment of cognitive dysfunctions and prevention of cognitive decline in patients with Parkinson’s disease and Mild Cognitive Impairment (PD-MCI): behavioral effects, prediction of response and underlying mechanisms

Investigator: PD Dr. Inga Liepelt-Scarfone

EPI589-15-002: A phase 2A Safety and Biomarker Study of EPI-589 in Mitochondrial Subtype and Idiopathic Parkinson’s Disease Subjects

*Investigators: Dr. Kathrin Brockmann,
PD Dr. Inga Liepelt-Scarfone, Prof. Dr. Thomas Gasser*

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: Dr. Katerina Freitag, Prof. Dr. Thomas Gasser

Multicenter evaluation of the effect of botulinum toxin therapy on quality of life: A multicenter, non-interventional, prospective study to investigate the effect of botulinum toxin therapy on quality of life in previously not treated patients with various neurological diseases.

Investigators: Dr. Katerina Freitag, Prof. Dr. Thomas Gasser

EarlyStim – Post study follow up: 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: Prof. Dr. Rejko Krüger, PD Dr. Daniel Weiß

Health-related quality of life in LCIG-treated and LCIG-amenable patients with continued oral dopaminergic therapy: Non-interventional, multicentre observational trial for levodopa-carbidopa gel (LCIG) in Germany – BALANCE

Investigator: PD Dr. Daniel Weiß

Subthalamic steering for therapy optimization in Parkinson’s disease (SANTOP)

Investigator: PD Dr. Daniel Weiß

Lateral steering of nigral stimulation for freezing of gait in Parkinson’s disease (NIGRASTEER)

Investigator: PD Dr. Daniel Weiß

Restitution of oral transport, deglutition, and aspiration with nigral stimulation in Parkinson’s disease?

Investigator: PD Dr. Daniel Weiß

Combined stimulation of STN and SNr for Resistant Freezing of Gait in Parkinson’s disease

*Investigator: PD Dr. Daniel Weiß, Prof. Dr. Alireza Gharabaghi,
Prof. Dr. Rejko Krüger, Dr. Georgios Naros*

Statin Treatment of Oxysterol Pathology in SPG5 (STOP SPG5)

*Investigators: PD Dr. Rebecca Schüle, Dr. Tim Rattay,
Prof. Dr. Ludger Schöls*

Physiotherapie bei Hereditärer Spastischer Spinalparalyse (HSP)

*Investigators: PD Dr. Rebecca Schüle, Dr. Tim Rattay,
Prof. Dr. Ludger Schöls*

Natural history in Hereditary Spastic Paraplegia (HSP registry)

*Investigators: PD Dr. Rebecca Schüle, Dr. Sarah Wiethoff,
Prof. Dr. Ludger Schöls*

Charakterisierung nicht-motorischer Symptome der Hereditären Spastischen Spinalparalyse (non-motor HSP)

*Investigators: PD Dr. Rebecca Schüle,
PD Dr. Inga Liepelt-Scarfone*

Phenotype, Genotype and Biomarkers in ALS and Related Disorders (Clinical Research in ALS and Related Disorders for Therapeutic Development Consortium / CReATe)

Investigators: PD Dr. Rebecca Schüle, PD Dr. Matthias Synofzik, Dr. Dr. Sarah Wiethoff, Dr. Carlo Wilke

European Friedreich's Ataxia Consortium for Translational Studies (EFACTS)

Investigators: Prof. Dr. Ludger Schöls, Dr. Jennifer Just, Prof. Dr. Jörg B. Schulz (Aachen)

ESMI: European Spinocerebellar Ataxia Type 3 / Machado-Joseph Disease Initiative

Investigators: Prof. Dr. Ludger Schöls, PD Dr. Matthias Synofzik, Dr. Winfried Ilg

Sporadic ataxia with adult onset: Natural history study (SPORTAX)

Investigators: Prof. Dr. Ludger Schöls, PD Dr. Matthias Synofzik, Prof. Dr. Thomas Klockgether (Bonn)

Early onset ataxia: Genetic basis and natural history (EOA)

Investigators: PD Dr. Matthias Synofzik, Prof. Dr. Ludger Schöls

Solving the unsolved Rare Diseases (Solve RD)

Investigators: PD Dr. Rebecca Schüle, PD Dr. Matthias Synofzik, Prof. Dr. Ludger Schöls

MOVE' n UP: Video game-based coordinative training for children with advanced degenerative ataxia

Investigators: PD Dr. Matthias Synofzik, Dr. Winfried Ilg

Detecting PreAtaxia: A mixed challenge strategy to identify ataxia at its preclinical stage

Investigators: PD Dr. Matthias Synofzik, Dr. Winfried Ilg

A randomised delayed entry trial of intensive home-based speech therapy in spinocerebellar ataxias

Investigators: PD Dr. Matthias Synofzik, Dr. Adam Vogel (University of Melbourne)

A randomised delayed entry trial of intensive home-based speech therapy in ARSACS

Investigators: PD Dr. Matthias Synofzik, Dr. Adam Vogel (University of Melbourne)

Slowing down disease progression in premanifest SCA: a piloting interventional exergame trial (SlowSCA)

Investigators: PD Dr. Matthias Synofzik, Dr. Winfried Ilg

Third-Party Funding

ONGOING GRANTS

Landscape

Project leader: PD Dr. Inga Liepelt-Scarfone, Prof. Dr. Daniela Berg

Funding institution: Federal Ministry of Education and Research (BMBF)

Joint Research Project "Identification of prediction and progression biomarkers in the earliest stages of Parkinson's disease (Neuro-D13B)"

Project leaders: Prof. Dr. Daniela Berg, Prof. Dr. Walter Maetzler, Prof. Dr. Olaf Riess (UKT)

Funding institutions: Federal Ministry of Education and Research (BMBF), UCB Pharma GmbH

PPMI – The Parkinson's Progression Markers Initiative

Project leaders: Dr. Kathrin Brockmann

Funding institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

PPMI – Amendment: Genetic PPMI

Project leaders: Dr. Kathrin Brockmann

Funding institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

PPMI Amendment – Cognitive categorization assessment

Project leader: Dr. Kathrin Brockmann

Funding institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

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

Project leader: Dr. Kathrin Brockmann

Funding institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

P-PPMI – Prodromal subjects

Project leader: Dr. Kathrin Brockmann

Funding institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

Observational study in non-demented patients with Parkinson's disease with lowered A-beta1-42 CFS levels

Project leaders: PD Dr. Inga Liepelt-Scarfone, Prof. Dr. Daniela Berg, Prof. Dr. Walter Maetzler

Funding institution: Janssen Pharmaceutica NV

Third-Party Funding

ONGOING GRANTS

Effects of various training activities on symptoms and adaptive brain plasticity in patients with idiopathic PD

Project leader: Prof. Dr. Daniela Berg

Funding institution: AKF (Applied Clinical Research) program, University of Tübingen

Validation study on the MDS clinical criteria of Parkinson's disease

Project leader: Prof. Dr. Daniela Berg

Funding institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

An exploratory study assessing TMS plasticity deficits in patients with AD and aMCI in comparison to healthy controls

Project leaders: Prof. Dr. Ulf Ziemann, Prof. Dr. Daniela Berg, Prof. Dr. Christoph Laske

Funding institution: Janssen Pharmaceutica NV

NCER-PD – National Centre of Excellence in Research on Parkinson's Disease

Project leader: PD Dr. Inga Liepelt-Scarfone

Funding institution: Fonds nationale de la Recherche Luxembourg / Université Luxembourg

PPMI – Amendment 10

Project leader: Dr. Kathrin Brockmann

Funding institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

PPMI – Amendment 11

Project leader: Dr. Kathrin Brockmann

Funding institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

TrainParC: Cognitive training for treatment of cognitive dysfunctions and prevention of cognitive decline in patients with Parkinson's disease and Mild Cognitive Impairment (PD-MCI): behavioral effects, prediction of response and underlying mechanisms

Project leader: PD Dr. Inga Liepelt-Scarfone

Funding institution: ParkinsonFonds Deutschland gGmbH

EPI589-15-002: A phase 2A Safety and Biomarker Study of EPI-589 in Mitochondrial Subtype and Idiopathic Parkinson's Disease Subjects

Project leader: Prof. Dr. Thomas Gasser

Funding institution: Edison Pharmaceuticals, Inc.

Tumorigenesis in LRRK2 associated Parkinson's disease

Project leaders: Prof. Rachel Saunders-Pullman,

Dr. Saskia Biskup

Funding institution: Michael J. Fox Foundation for Parkinson's Research

Monocyte monitoring in LRRK2 associated Parkinson's disease

Project leaders: Prof. Dr. Thomas Gasser, Dr. Dr. Saskia Biskup

Funding institution: Michael J. Fox Foundation for Parkinson's Research

The Edmond J. Safra Fellowship in Movement Disorders 2016

Project leader: Prof. Dr. Thomas Gasser

Funding Institution: Michael J. Fox Foundation for Parkinson's Research (MJFF)

Genetic basis of Dystonia in Turkish families

Project leaders: Prof. Dr. Thomas Gasser, Dr. Ebba Lohmann

Funding institution: German Research Foundation (DFG)

Mitochondrial endophenotypes of PD (Mito-PD)

Project leaders: Prof. Dr. Thomas Gasser (coordinator),

Prof. Dr. Rejko Krüger, Dr. Kathrin Brockmann

Funding institution: Federal Ministry of Education and Research (BMBF)

Comprehensive unbiased risk factor assessment for genetics and environment in Parkinson's disease (COURAGE-PD)

Project leaders: Prof. Dr. Thomas Gasser (coordinator),

Prof. Dr. Rejko Krüger

Funding institution: Federal Ministry of Education and Research (BMBF)

Unraveling the Missing Heritability of Rare Neurodegenerative Diseases and Movement Disorders in German and Tunisian Populations (TUNGERGENE)

Project leader: Prof. Dr. Thomas Gasser

Funding institution: BMBF

Multimodal imaging of rare synucleinopathies (MultiSyn)*Project leader: Prof. Dr. Thomas Gasser (coordinator)*

Funding institution: EU

CENTRE-PD: TWINNING for a Comprehensive Clinical Centre for the Diagnosis and Treatment of Parkinson's Disease (Luxemburg, Oxford, Tübingen)*Project leaders: Prof. Dr. Thomas Gasser,**PD Dr. Inga Liepelt-Scarfone*

Funding institution: EU

Towards a unifying theory of Parkinson's disease: Investigation of the biochemical and genetic role of Rab GTPases*Project leader: Prof. Dr. Thomas Gasser*

Funding institution: Centers of Excellence Network (CoEN)

Understanding the molecular pathogenesis of GBA1-associated Parkinson's disease by using engineered induced pluripotent stem cells*Project leader: Dr. Dr. Michela Deleidi*

Funding institution: German Research Foundation (DFG)

Investigation of molecular and cellular functions of TDP-43 and FUS, pathorelevant proteins in frontotemporal dementias (FTD) and amyotrophic lateral sclerosis (ALS)*Project leader: Prof. Dr. Philipp Kahle*

Funding institution: German Research Foundation (DFG)

Decipher the Complexity and Plasticity of Epigenomic Characteristics Under Influence of Environmental Factors in the Pathomechanistic Regulation of Parkinson's Disease (decipherPD): German-Canadian-French Joint Transnational Project „Epigenomics of Complex Diseases“*Project Leader: Prof. Dr. Philipp Kahle*

Funding Institution: Federal Ministry of Education and Research (BMBF)

Virtual Institute: RNA dysmetabolism in ALS and FTD*Project leader: Prof. Dr. Philipp Kahle*

Funding institution: German Center for Neurodegenerative Diseases (DZNE)

DZNE Crosscutting Project: Posttranslational Modifications of TDP-43*Project leader: Prof. Dr. Philipp Kahle*

Funding institution: NOMIS Foundation

Genomweiter RNAi Screen der Parkin abhängigen Eliminierung von depolarisierten Mitochondrien*Project leader: Dr. Sven Geisler*

Funding institution: German Research Foundation (DFG)

Identification of modulators of the PINK1/Parkin-dependent mitophagy by siRNA based high-content screening of mitochondrial Parkin translocation*Project leader: Dr. Sven Geisler*

Funding institution: ONO Pharmaceuticals

The importance of DJ-1 for the regulation of mitochondrial dynamics and autophagy in murine and human neuronal models of Parkinson's disease*Project leaders: Prof. Dr. Thomas Gasser, Prof. Dr. Rejko Krüger*

Funding institution: German Research Foundation (DFG)

Mitochondria in neurodegeneration and ageing – translating impaired mitochondrial dynamics to novel therapeutic strategies*Project leaders: Prof. Dr. Rejko Krüger, Prof. Dr. Philipp Kahle*

Funding Institution: German Center for Neurodegenerative Diseases (DZNE)

Combined interleaved stimulation of STN and SNr for mobility impairment related to freezing of gait:

A randomized controlled clinical trial

Project leaders: PD Dr. Daniel Weiß, Prof. Dr. Alireza Gharabaghi, Prof. Dr. Rejko Krüger, Dr. Georgios Naros

Funding institution: Medtronic

Subthalamic steering for therapy optimization in Parkinson's disease (SANTOP)*Investigator: PD Dr. Daniel Weiß*

Funding Institution: Abott

Lateral steering of nigral stimulation for freezing of gait in Parkinson's disease (NIGRASTEER)*Investigator: PD Dr. Daniel Weiß*

Funding Institution: Boston Scientific

Restitution of oral transport, deglutition, and aspiration with nigral stimulation in Parkinson's disease?*Investigator: PD Dr. Daniel Weiß*

Funding Institution: Michael J. Fox Foundation

Development of a screening tool for the treatment of chronic migraine with botulinum toxin*Project leader: Dr. Tobias Wächter*

Funding institution: Pharm-Allergan

Third-Party Funding

ONGOING GRANTS

Genetic disorders in Arab societies of Israel and the Palestinian authorities

Project leader: Prof. Dr. Ludger Schöls

Funding institution: German Research Foundation (DFG)

Integrated European Project on Omics Research of Rare Neuromuscular and Neurodegenerative Diseases (NEUROMICS):

Diagnosis and therapy project of Rare Neuromuscular and Neurodegenerative Diseases (NEUROMICS)

Project leaders: Prof. Dr. Ludger Schöls,

Prof. Dr. Olaf Rieß (UKT)

Funding institution: EU

Genetic basis of hereditary spastic paraplegias

Project leaders: Prof. Dr. Ludger Schöls, PD Dr. Rebecca Schüle

Funding institution: HSP Support Group; Germany e.V.

27 hydroxy-sterol toxicity in the pathophysiology of SPG5

Project leaders: Prof. Ludger Schöls, PD Dr. Rebecca Schüle

Funding institution: HSP Support Group; Germany e.V.

Next generation genetics of axonopathies HSP / CMT genetics

Project leader: PD Dr. Rebecca Schüle

Funding institution: EU

Alliance for Treatment in HSP and PLS

Project leader: PD Dr. Rebecca Schüle

Funding institution: Spastic Paraplegia Foundation (SPF)

European HSP registry

Project leaders: PD Dr. Rebecca Schüle, Prof. Dr. Ludger Schöls

Funding institution: HSP Selbsthilfegruppe e.V.

E-RARE composite NEURO LIPID: Role of lipid metabolism hereditary spastic paraplegia in the pathogenesis: genes, biomarkers and therapeutic models

Project leader: PD Dr. Rebecca Schüle

Funding institution: EU

Statin Treatment of Oxysterol Pathology in SPG5 (STOP SPG5)

Project leaders: PD Dr. Rebecca Schüle, Prof. Dr. Ludger Schöls

Funding institution: Eva-Luise und Horst Köhler Stiftung

Entwicklung und Evaluation eines modularen Physiotherapiekonzepts für Patienten mit Hereditärer Spastischer Spinalparalyse (HSP)

Project leaders: PD Dr. Rebecca Schüle, Prof. Ludger Schöls

Funding institution: Förderverein für HSP-Forschung e.V.

Natural history in Hereditary Spastic Paraplegia

Project leaders: PD Dr. Rebecca Schüle, Prof. Dr. Ludger Schöls

Funding institution: HSP Support Group; Germany e.V.

Clinical Research in ALS and Related Disorders for Therapeutic Development (CReATe) Consortium

Project leader: PD Dr. Rebecca Schüle

Funding institution: National Institutes of Health (NIH)

Exome Studies in Hereditary Spastic Paraplegia – Beyond the Exome

Project leader: PD Dr. Rebecca Schüle

Funding institution: National Institutes of Health (NIH)

Alliance for Treatment in HSP and PLS

Project leader: PD Dr. Rebecca Schüle

Funding institution: Spastic Paraplegia Foundation Inc.

Validierung eines Physiotherapiekonzeptes für die Hereditäre Spastische Spinalparalyse

Project leader: PD Dr. Rebecca Schüle

Funding: Interdisziplinäres Zentrum für Klinische Studien (IZKF) Tübingen

Detecting PreAtaxia: A mixed challenge strategy to identify ataxia at its preclinical stage

Project leader: PD Dr. Matthias Synofzik

Funding institution: Interdisciplinary Center for Clinical Research (IZKF)

A randomised delayed entry trial of intensive home-based speech therapy in Friedreich ataxia

Project leader: PD Dr. Matthias Synofzik

Funding institution: Centre for Rare Diseases, Tübingen

A randomised delayed entry trial of intensive home-based speech therapy in spinocerebellar ataxias

Project leader: PD Dr. Matthias Synofzik

Funding institution: German Heredo-Ataxia Society

Predicting falls and fall patterns in the elderly:

A comparative investigation of neurogeriatric high-risk groups

Project leader: PD Dr. Matthias Synofzik

Funding institution: Robert-Bosch-Foundation

A randomised delayed entry trial of intensive home-based speech therapy in ARSACS – Detecting PreAtaxia: A mixed challenge strategy to identify ataxia at its preclinical stage

Project leader: PD Dr. Matthias Synofzik

Funding institution: Fondation de l'Ataxie Charlevoix, Saguenay

Targeted massively parallel ataxia gene sequencing (ataxia gene panel) as a novel diagnostic tool for broad NPC1/NPC2 screening in unexplained ataxia patients with early onset

Project leader: PD Dr. Matthias Synofzik

Funding institution: Actelion Pharmaceuticals

Slowing down disease progression in premanifest SCA:

A piloting interventional exergame trial (SlowSCA)

Project leader: PD Dr. Matthias Synofzik

Funding Institution: Center for Rare Diseases, Tübingen

Implementation of registry- and biobank-based patient and expert network for early-onset ataxias

Project leader: PD Dr. Matthias Synofzik

Funding Institution: Actelion Pharmaceuticals

Solving the unsolved: Next generation genomics of early-onset ataxia (NextGenATAX)

Project leader: PD Dr. Matthias Synofzik

Funding Institution: Else Kröner Fresenius Stiftung

NCER-PD – National Centre of Excellence in Research on Parkinson's Disease

Project leaders: Prof. Dr. Daniela Berg,

PD Dr. Inga Liepelt-Scarfone

Funding institution: Fonds nationale de la Recherche Luxembourg / Université Luxembourg

PREPARE: Preparing therapies for autosomal recessive ataxias

Project leader: PD Dr. Matthias Synofzik

Funding Institution: ERARE JTC Grant

NEW GRANTS

Study B7601011: "A 15-week, phase 2, double blind, randomized, placebo controlled, flexible dose study to investigate the efficacy, safety and tolerability of PF-06649751 in subjects with early stage Parkinson's disease"

Project leaders: Prof. Dr. Thomas Gasser,

Dr. Kathrin Brockmann, PD Dr. Inga Liepelt-Scarfone

Funding institution: Pfizer Inc.

ACT14820-MOVES-PD: Multizentrische, randomisierte, doppelblinde, placebokontrollierte Studie zur Beurteilung der Wirksamkeit, Sicherheit, Pharmakokinetik und Pharmakodynamik von GZ/SAR402671 bei Patienten mit Morbus Parkinson im Frühstadium, die eine GBA-Mutation oder eine vorselektierte Variante tragen

Project leaders: Prof. Dr. Thomas Gasser,

Dr. Kathrin Brockmann, PD Dr. Inga Liepelt-Scarfone,

Funding institution: Sanofi-Aventis Deutschland GmbH

Identification of compounds preventing cognitive decline in Parkinson's disease patients using clinically correlated iPSC cell models (PDDementia)

Project leaders: Prof. Dr. Thomas Gasser,

Dr. Kathrin Brockmann

Funding institution: Federal Ministry of Education and Research (BMBF)

Identification of modulators of the PINK1/Parkin-dependent mitophagy by siRNA based high-content screening of mitochondrial Parkin translocation

Project leader: Dr. Sven Geisler

Funding institution: ONO Pharmaceuticals

ESMI: European Spinocerebellar Ataxia Type 3 / Machado-Joseph Disease Initiative

Project leader: Prof. Dr. Ludger Schöls

Funding Institution: EU

Biomarkers of Axonal Degeneration in HSP

Project leaders: PD Dr. Rebecca Schüle,

PD Dr. Matthias Synofzik

Funding institution: National Institutes of Health (NIH), HSP Research Foundation

Solving the unsolved Rare Diseases (Solve RD)

Principle Investigators: PD Dr. Rebecca Schüle,

PD Dr. Matthias Synofzik, Prof. Dr. Ludger Schöls

Funding Institution: EU

Third-Party Funding

NEW GRANTS

Translate NAMSE

Principle Investigator: Prof. Dr. Ludger Schöls

Funding Institution: Innovationsfond

Frequency of putative high-frequency NPC1 and NPC2 variants in neurological and control populations

Project leaders: PD Dr. Matthias Synofzik,

PD Dr. Rebecca Schüle

Funding Institution: Actelion Pharmaceuticals

EU Horizon 2020 RIA Research and Innovation action: “Solving the Unsolved Rare Diseases (Solve RD)”

Co-Project leaders: PD Dr. Matthias Synofzik,

PD Dr. Rebecca Schüle

Funding Institution: EU

Bronya J. Keats International Research Collaboration

Award: Speech Trial in FA

Project leaders: PD Dr. Matthias Synofzik, Dr. Adam Vogel

Funding Institution: Friedreich’s Ataxia Research Alliance (FARA)

SpeechAtax: A rater-blinded randomised controlled trial of intensive home-based speech treatment for ataxia

Co-Project leaders: Dr. Adam Vogel,

PD Dr. Matthias Synofzik

Funding Institution: Australian National Health and Research Council- MRFF - Research Grants

Awards

Sara Becker

in Tübingen, Germany, CENTRE-PD Annual Meeting Poster Prize 1st prize (2017)

Conferences & Workshops

Centre-PD Annual Meeting

Tübingen, 16-17 March 2017

Scientific Coordinators: Prof. Dr. Thomas Gasser,

PD Dr. Inga Liepelt-Scarfone

Centre-PD Training Workshop Clinical Cohorts and Genetics of PD

Tübingen, 18-19 May 2017

Scientific Coordinators: PD Dr. Inga Liepelt-Scarfone,

Dr. Kathrin Brockmann

PhD Theses

(Completed in 2017)

Dr. Marlieke Scholten

Electrophysiological dissection of the neurophysiological and neuromuscular correlates of freezing phenomena in Parkinson's disease

Supervisors: Prof. Dr. Rejko Krüger, PD Dr. Daniel Weiß

Claudia Funke

Genetische Untersuchungen am Eisenstoffwechsel und deren Bedeutung für die Pathogenese der Parkinson-Erkrankung

Supervisors: Prof. Dr. Olaf Rieß, Prof. Dr. Daniela Berg

MD Theses

(Completed in 2017)

Bernhard Cerff

Ambulantes Bewegungsprofil kognitiver Subgruppen von Morbus Parkinson

*Supervisors: Prof. Dr. Daniela Berg,
PD Dr. Inga Liepelt-Scarfone*

Linda Maya Härtner

Zusammenhang zwischen Drehbewegungen und Sturzgefährdung bei idiopathischen Parkinsonpatienten: Klinische Validierung und quantitative Erfassung in der Klinik und im häuslichen Umfeld mittels tragbarer Sensoren

Supervisor: Prof. Dr. Walter Maetzler

Dr. Johannes Klemt

Modulation neuromuskulärer Gangintegration durch Tiefe Hirnstimulation bei Morbus Parkinson

Supervisor: PD Dr. Daniel Weiß

Dr. Lena Kuhn

Mutationscreening und Assoziationsstudien im SLC9A6 Gen als Kandidatengen für corticobasale Degeneration

Supervisor: Prof. Dr. Rejko Krüger

Dr. Margarete Walach

Combined interleaving stimulation of the subthalamic nucleus and the substantia nigra pars reticulata for resistant gait disturbances in Parkinson's disease

Supervisor: PD Dr. Daniel Weiß

Master Theses

(Completed in 2017)

Sarah Dölker

Validierung des Functional Activities Questionnaire bei Patienten mit Parkinson Erkrankung

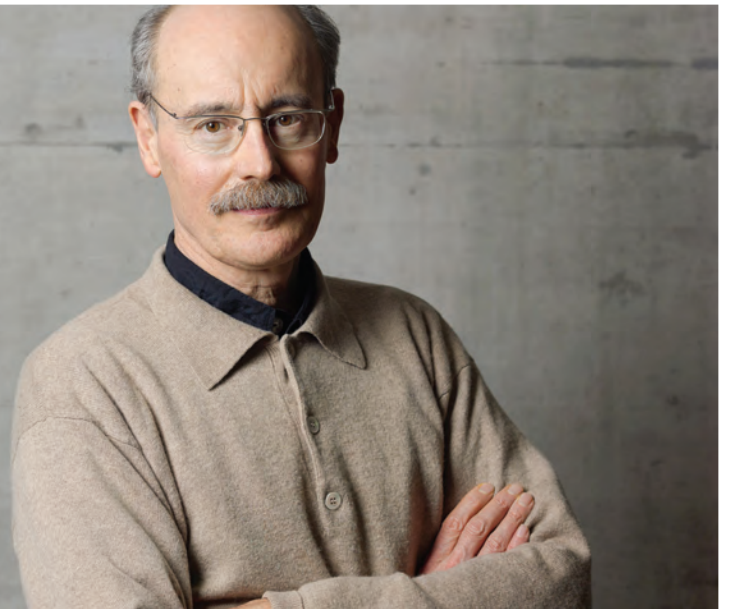
Supervisor: PD Dr. Inga Liepelt-Scarfone

Srinethe Saravanan

CRISPR-Cas9 mediated knockout of CHIP protein in iPSCs and induction of cotritical neurons

Supervisor: Prof. Dr. Ludger Schöls

Department of Cognitive Neurology



Clinical and Scientific Staff

HEAD OF THE DEPARTMENT

Prof. Dr. Hans-Peter Thier

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Dr. Daniel Häufle
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Dr. Marc Himmelbach
Prof. Dr. Uwe Ilg
Prof. Dr. Dr. Hans-Otto Karnath
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Dr. Jörn Pomper
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MASTER STUDENTS/ TEACHERS' THESES

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 Dagmar Heller-Schmerold
 Björn Müller
 Ursula Pascht

Clinical Studies

PreAtaxia: Changes in the control of posture and gait in pre-symptomatic and pre-clinical stages of degenerative cerebellar ataxia

Investigators: Dr. Winfried Ilg, Zofia Fleszar, Cornelia Schatton, Prof. Dr. Martin Giese, Prof. Dr. Ludger Schöls, PD Dr. Matthis Synofzik

Motor training in pre-clinical stages of degenerative cerebellar ataxia

Investigators: Dr. Winfried Ilg, Cornelia Schatton, Prof. Dr. Martin Giese, Prof. Dr. Ludger Schöls, PD Dr. Matthis Synofzik

Examination of the influence of visual feedback on real and pantomimed object use in apraxia

Investigators: Dr. Andrea Christensen, Dr. Winfried Ilg, Prof. Dr. Martin Giese, Prof. Dr. Dr. Hans-Otto Karnath, Christoph Sperber

Contributions of parietal cortex to the perception of self-action

Investigators: PD Dr. Matthis Synofzik, Dr. Marc Himmelbach, PD Dr. Axel Lindner

Examination of the specific influence of areas in the cerebellum on learning to control a dynamical system

Investigators: Nicolas Ludolph, Prof. Dr. Dagmar Timmann, Prof. Dr. Martin Giese, Dr. Winfried Ilg

Videogame-based coordinative training in children with degenerative ataxia

Investigators: Dr. Winfried Ilg, PD Dr. Matthis Synofzik, Prof. Dr. Martin Giese, Prof. Dr. Ludger Schöls

Cerebellar ataxia as a loss of precise velocity duration trade-off

Investigators: Julian Meßner, Akshay Markanday, Prof. Dr. Hans-Peter Thier

Disparate substrates for gaze following and face perception

Investigators: Dr. Peter Dicke, Kira Marquardt, Hamidreza Ramezani, Prof. Dr. Hans-Peter Thier

Auf kooperative Augen kommt es an — neuronale Grundlagen sozialer Interaktionen

Investigators: Dr. Peter Dicke, Maria Sophie Brey, Hamidreza Ramezani, Prof. Dr. Hans-Peter Thier

Neurobiologische Grundlagen der Emotionserkennung aus menschlichen Gangsequenzen bei Gesunden und Patienten mit psychischen Erkrankungen

Investigators: Ann-Christine Ehlis, Dr. Andrea Christensen, Prof. Dr. Andreas Fallgatter, Prof. Dr. Martin Giese

Examination of the influence of the cerebellum on the interaction between action and perception

Investigators: Dr. Winfried Ilg, Dr. Andrea Christensen, Prof. Dr. Martin Giese, Prof. Dr. Dagmar Timmann

Evaluation of object functionality and mechanical reasoning in humans

Investigators: Dr. Marc Himmelbach, Prof. Dr. Dr. Hans-Otto Karnath

Affective biological motion recognition in schizophrenia

Investigators: Prof. Dr. Martin Giese, Dr. Andrea Christensen and external partners

‘Gaze Following’ bei Autismus-Spektrumstörung

Investigators: Manuel Roth, PD Dr. Axel Lindner, Prof. Dr. Hans-Peter Thier

Neuronale Grundlagen der Integration geometrischer und kontextabhängiger Information zur Ausrichtung sozialer Aufmerksamkeit

Investigators: Dr. Peter Dicke, Prof. Dr. Hans-Peter Thier

Propriozeptive Defizite bei autosomal-rezessiv hereditären Ataxien

Investigators: Dr. Marc Himmelbach, PD Dr. Matthis Synofzik

Pattern recognition in neuro-vestibular diagnostics, a retrospective analysis

Investigators: Dr. Jörn Pomper, Dr. Friedemann Bunjes, Prof. Dr. Hans-Peter Thier

Clinical patterns in patients with dizziness: how much can we gain from subjective reports by questionnaires

Investigators: Dr. Jörn Pomper, Vincent Müller, Dr. Friedemann Bunjes, Prof. Dr. Hans-Peter Thier

Demarcation of subjective value from arousal during action observation in F5 mirror neurons

Investigators: Dr. Jörn Pomper, Dr. Dr. Silvia Spadacenta, Dr. Friedemann Bunjes, Prof. Dr. Martin Giese, Prof. Dr. Hans-Peter Thier

Comparison of action specificity during action execution and observation in F5 mirror neurons

Investigators: Dr. Jörn Pomper, Shengjun Wen, Dr. Dr. Silvia Spadacenta, Dr. Friedemann Bunjes, Prof. Dr. Hans-Peter Thier

Third-Party Funding

ONGOING GRANTS

Selective attention and perceptual awareness: Testing the competitive interaction hypothesis

(HA 5839/4-1)

Project leader: Dr. Bianca de Haan,

Funding institution: German Research Foundation (DFG)

CogIMon – Cognitive Interaction in Motion

(EU H2020-ICT-2014 644727)

Project leader: Prof. Dr. Martin Giese

Funding institution: EU

Setup and maintenance of the Section for Computational Sensomotorics

(EXC 307 – CIN)

Project leader: Prof. Dr. Martin Giese

Funding institution: German Research Foundation (DFG)

Neural mechanisms underlying the visual analysis of intent

(RGP0036/2016)

Project leader: Prof. Dr. Martin Giese

Funding institution: Human Frontiers Science Program (HFSP)

System Human Being: Multi-level modeling in motor control and rehabilitation robotics

(33-7533.-30-20/7/2)

Project leader: Dr. Daniel Häufle

Funding institution: Ministerium für Wissenschaft, Forschung und Kunst Baden Württemberg (MWK)

Evaluation of object functionality and mechanical reasoning in humans

(HI 1371/2-1)

Project leaders: Dr. Marc Himmelbach,

Prof. Dr. Dr. Hans-Otto Karnath

Funding institution: German Research Foundation (DFG)

Third-Party Funding

ONGOING GRANTS

Motor functions and connectivity of the superior colliculus (HI 1371/1-2)

Project leader: Dr. Marc Himmelbach

Funding institution: German Research Foundation (DFG)

Functional and structural magnetic resonance imaging of the human midbrain at 9.4T – doctoral scholarship Joana Loureiro

Project leader: Dr. Marc Himmelbach

Funding Institution: Carl Zeiss Foundation

MOOC Methods in clinical research

(F.7312016)

Project participants: Dr. Marc Himmelbach,

Snezana Maljevic, Prof. Dr. Thomas Gasser

Funding Institution: Medical Faculty Tübingen (PROFIL plus)

Pupils Lab for Neuroscience

(P1150100)

Project leader: Prof. Dr. Uwe Ilg

Funding institution: Hertie Foundation

Videogame-based coordinative training in children with degenerative ataxia

Project leaders: Dr. Winfried Ilg, PD Dr. Matthias Synofzik

Funding institution: Oliver-Vaihinger-Fond, Stiftung für kranke Kinder

Selective attention and perceptual awareness:

Testing the competitive interaction hypothesis

(KA 1258/20-1)

Project leaders: Prof. Dr. Dr. Hans-Otto Karnath,

Dr. Bianca de Haan

Funding institution: German Research Foundation (DFG)

Investigating body representation distortions in patient population using biometric self-avatars in virtual reality (EXC307-CIN)

Project leaders: Prof. Dr. Betty Mohler,

Prof. Dr. Stephan Zipfel, Prof. Dr. Dr. Hans-Otto Karnath,

Dr. Hong Yu Wong, Prof. Dr. Michael Black

Funding institution: German Research Foundation (DFG)

Mechanisms and disorders in visually controlled every day actions

(KA 1258/15-1)

Project leaders: Prof. Dr. Dr. Hans-Otto Karnath,

Prof. Dr. Martin Giese

Funding institution: German Research Foundation (DFG)

The neural correlates of apraxia and the role of feedback in apraxic errors – doctoral scholarship Christoph Sperber

Project leader: Prof. Dr. Dr. Hans-Otto Karnath

Funding institution: Friedrich Naumann Foundation

Reorganisation of cognitive functions after stroke

(57106574)

Project leader: Prof. Dr. Dr. Hans-Otto Karnath

Funding institution: The German Academic Exchange Service (DAAD)

Individuelle Erholung von kognitiven Defiziten nach Schlaganfall

(KA 1258/23-1)

Project leader: Prof. Dr. Dr. Hans-Otto Karnath

Funding institution: German Research Foundation (DFG)

Investigating distortion of self-body perception in stroke and eating disorder patients

Project leaders: Prof. Dr. Dr. Hans-Otto Karnath,

Azam Shavarougi Faharani

Funding institution: Vereinigung der Freunde der Universität e. V.

Bewertung der Werkzeugfunktion bei Apraxie und semantischer Demenz – doctoral scholarship Sarah Louisa Merkel (2016-2-19)

Project leader: Prof. Dr. Dr. Hans-Otto Karnath

Funding institution: Interdisciplinary Center for Clinical Research Post Graduate Program

The role of neocortex in declarative learning: Function and cellular mechanisms of plasticity in the primary sensorimotor cortex as bases for the conditioning of the blink reflex

(SCHW 577/12-1)

Project leader: Prof. Dr. Cornelius Schwarz

Funding institution: German Research Foundation (DFG)

Psychophysik und Kodierung des vibrotaktilen Signals im taktilen System von Ratte und Mensch

(SCHW 577/14-1)

Project leader: Prof. Dr. Cornelius Schwarz

Funding institution: German Research Foundation (DFG)

Research Unit FOR 1847 “Primate Systems Neuroscience” – Project A3: The role of the cerebellum in saccadic adaptation as a window into neural mechanisms of motor learning

(TH 425/13-1)

Project leader: Prof. Dr. Hans-Peter Thier

Funding institution: German Research Foundation (DFG)

Research Unit FOR 1847 “Primate Systems Neuroscience” – Central Office Project

(TH 425/14-1)

Project leader: Prof. Dr. Hans-Peter Thier

Funding institution: German Research Foundation (DFG)

Towards the neural basis of joint attention II

(TH 425/12-2)

Project leader: Prof. Dr. Hans-Peter Thier

Funding institution: German Research Foundation (DFG)

Erfüllung der Aufgaben der Abt. Kognitive Neurologie

(T0013/29010/2016/kg)

Project leader: Prof. Dr. Hans-Peter Thier

Funding institution: Hermann and Lilly Schilling Foundation

NEW GRANTS

Excellence Initiative: Bridging Fund Program

Project leader: Dr. Enrico Chiovetto

Funding institution: German Research Foundation (DFG)

CIN Mini Research Training Project

(EXC 3017, Mini_KG-2017-04)

Project leader: Prof. Dr. Martin Giese

Funding institution: German Research Foundation (DFG)

KONSENS-NHE – Entwicklung eines Kontext-sensitiven neural-gesteuerten Handexoskeletts zur Wiederherstellung der Alltagsfähigkeit nach Hirn- und Rückenmarksverletzungen

Project leaders: Prof. Dr. Martin Giese, Prof. Dr. Surjo Soekadar, Dr. Martin Spüler

Funding institution: Baden-Württemberg Foundation

Active Perception –

Übergangsfinanzierung zur W3-Professur

Project leader: Dr. Ziad Hafed

Funding institution: Excellence Initiative / German Research Foundation (DFG)

SFB 1233 – Project 11: Stable vision in the presence of fixational eye movements: where and how is the retinal image jitter compensated?

(DFG SFB 1233, Robust Vision', TP 11)

Project leaders: Prof. Dr. Frank Schaeffel, Dr. Ziad Hafed

Funding institution: German Research Foundation (DFG)

CIN Mini Research Training Project

(EXC 307, Mini_KG-2017-04)

Project leader: Dr. Ziad Hafed

Funding institution: German Research Foundation (DFG)

Research Unit FOR 1847 „Primate Systems Neuroscience” – Project A6: Brainstem control of slow ocular drifts during gaze fixation

(HA 6749/2-1)

Project leader: Dr. Ziad Hafed

Funding institution: German Research Foundation (DFG)

Defizite der räumlichen Orientierung nach posterioren cerebralen Infarkten – doctoral scholarship Jacob Clausen

Project leader: Prof. Dr. Hans-Otto Karnath

Funding institution: Sigmund-Kiener Foundation

Third-Party Funding

NEW GRANTS

Unresolved issues in unilateral neglect: An update

(Nr. 11601161)

*Project leaders: Prof. Dr. Dr. Hans-Otto Karnath,
Daniel Wiesen*

Funding institution: Luxembourg National Research Fund

Benefits of a game-based cognitive interface for knowledge work – from basic effects and neural correlates to neuro-psychological rehabilitation

*Project leaders: Prof. Dr. Manuel Ninaus,
Prof. Dr. Dr. Hans-Otto Karnath*

Funding institution: Leibniz-Institut für Wissensmedien

Functional modules in primary motor cortex

(SCHW 577/16-1)

Project leader: Prof. Dr. Cornelius Schwarz

Funding institution: German Research Foundation (DFG)

CIN Mini Research Training Project

(EXC 307, Mini_KG-2017-04)

Project leader: Prof. Dr. Cornelius Schwarz

Funding institution: German Research Foundation (DFG)

Research Unit FOR 1847 “Primate Systems Neuroscience” – Project A3: The role of the cerebellum in the control of saccades as a window into neural mechanisms of movement optimization

(TH 425/13-2)

Project leader: Prof. Dr. Hans-Peter Thier

Funding institution: German Research Foundation (DFG)

Research Unit FOR 1847 “Primate Systems Neuroscience” – Central Office Project

(TH 425/14-2)

Project leader: Prof. Dr. Hans-Peter Thier

Funding institution: German Research Foundation (DFG)

Awards

Prof. Dr. Martin Giese

Graduate Training Centre Teaching Award 2017

Mohammad Khazali

Trainee Professional Development Award,
Society for Neuroscience 2017

Conferences & Workshops

Lesion Analysis Workshop

Tübingen, 12-13 May 2017

*Scientific coordinators: Prof. Dr. Dr. Hans-Otto Karnath,
Dr. Bianca de Haan*

Schwierige Themen in der Schule – Kann Wissenschaftskommunikation Bewertungskompetenzen stärken?

Das Beispiel Tierversuche

Braunschweig, 28-29 November 2017

Moderator: Prof. Dr. Uwe Ilg

PhD Theses

(Completed in 2017)

Chih-Yang Chen

Seeing through the tectal eye: visual representations in the primate superior colliculus with and without eye movements

Supervisor: Dr. Ziad Hafed

Sonja Cornelsen

Dorsal and ventral stream contributions to goal-directed actions

Supervisor: Dr. Marc Himmelbach

Julian Hofmann

The role of mouse barrel cortex in tactile trace eye blink conditioning

Supervisor: Prof. Dr. Cornelius Schwarz

Mohammad Khazali

On the mechanisms underlying the perceptual compensation of eye torsion

Supervisor: Prof. Dr. Hans-Peter Thier

Joana Loureiro

Structural and functional MRI of the human Superior Colliculus at 9.4T

Supervisor: Dr. Marc Himmelbach

Zong-Peng Sun

Cerebellar control of eye movements: from cerebellar cortex to cerebellar nuclei

Supervisor: Prof. Dr. Hans-Peter Thier

Barbara Wirxel

Human Time Perception - Predictable visual stimuli are perceived earlier than unpredictable events

Supervisors: PD Dr. Axel Lindner, Prof. Dr. Hans-Peter Thier

MD Theses

(Completed in 2017)

Friedemann Bender

In-vivo-Konnektivität der menschlichen Colliculi superiores gemessen mit Resting-State fMRT

Supervisor: Prof. Dr. Dr. Hans-Otto Karnath

Maria Bither

Anatomical correlates for visual extinction — an fMRI study

Supervisor: Prof. Dr. Dr. Hans-Otto Karnath

Master Theses

(Completed in 2017)

Daniel Bauer

Pro- und Anti-Sakkaden auf farbige und Luminanz-definierte Ziele

Supervisor: Prof. Dr. Uwe Ilg

Annika Jahn

Motorisches Training bei cerebellären Bewegungsstörungen

Supervisors: Dr. Winfried Ilg, Prof. Dr. Martin Giese

Jan-Marco Moritz

Ganzkörper-Repräsentationen in der virtuellen Realität zur Anwendung in der Neurorehabilitation

Supervisors: Dr. Winfried Ilg, Prof. Dr. Martin Giese

Christina Pley

Analyse cerebellärer Armbewegungsstörungen

Supervisors: Dr. Winfried Ilg, Prof. Dr. Martin Giese

Jannis Plöger

The influence of motor expertise on state prediction in the cart-pole task

Supervisors: Dr. Winfried Ilg, Prof. Dr. Martin Giese

Julia Riede

Navigation asymmetrischer Mikroschwimmer - Quantifizierung des Kontrollaufwandes

Supervisor: Dr. Daniel Häufle

Konstantin Friedrich Willeke

Memory guided microsaccades: physiology and behavior

Supervisor: Dr. Ziad Hafed

Bachelor Theses

(Completed in 2017)

Maike Bruder

Nachweis der Efferenzkopie bei elektrischen Fischen

Supervisor: Prof. Dr. Uwe Ilg

Sabrina Fleißner

Fehler in der Lokalisation von bewegten Zielen

Supervisor: Prof. Dr. Uwe Ilg

Lilli Fritz

Blickbewegungen in der Erwartung eines bewegten Ziels

Supervisor: Prof. Dr. Uwe Ilg

Anna-Lena Kämpf

Der Flash-lag Effekt bei induzierter Bewegung

Supervisor: Prof. Dr. Uwe Ilg

Finn Klingler

Antizipatorische Augenbewegungen – Untersuchung des Einflusses von Videospielen

Supervisor: Prof. Dr. Uwe Ilg

Morgane Magyar

Asymmetrical filling-in of colour, pattern, and motion at the blind spot

Supervisor: Prof. Dr. Uwe Ilg

Petra Segsa

Der visuelle Zahlensinn – Eine Untersuchung von Adaptationsphänomenen beim Vergleich von Punktmengen und Zahlensymbolen

Supervisor: Prof. Dr. Uwe Ilg

Louisa Sting

Hysteresis in the bistable perception of biological motion

Supervisor: Prof. Dr. Martin Giese

Thede Witschel

Modellierung der motorischen Variabilität und der Anpassungsstrategien zerebellärer Patienten bei zielgerichteten Bewegungen

Supervisor: Dr. Winfried Ilg



Department of Cellular Neurology



Clinical and Scientific Staff

HEAD OF THE DEPARTMENT

Prof. Dr. Mathias Jucker

HUMBOLDT GUEST PROFESSOR

Prof. Dr. Lary C. Walker

GROUP LEADERS

Prof. Dr. Christoph Laske
(Section of Dementia Research,
jointly with the University Department of Psychiatry
and Psychotherapy)
Dr. Jonas Neher
(Experimental Immunology group, jointly with the
German Center for Neurodegenerative Diseases, DZNE)

SCIENTISTS/RESIDENTS

Anja Apel
Mehtap Bacioglu
Melanie Barth
Natalie Beschorner (since 03/2016)
Karoline Degenhardt
Ruth Dröge
Timo Eninger
Lisa Häsler
Stephan Käser
Dr. Sonia Mazzitelli (until 11/2017)
Dr. Jörg Odenthal
Jay Rasmussen
Dr. Juliane Schelle (until 09/2017)
Dr. Angelos Skodras (since 11/2017)
Dr. Matthias Staufenbiel
Jessica Wagner (since 02/2017)
Dr. Bettina Wegenast-Braun
Ann-Christin Wendeln

TECHNICAL STAFF/ ADMINISTRATION

Rawaa Al Shaana (since 04/2017)
Anika Bühler
Simone Eberle
Bernadette Graus
Maren Lösch
Ulrike Obermüller
Katleen Wild

CLINICAL STAFF

Elke Kuder-Buletta
Dr. Susanne Gräber-Sultan
Oliver Preische

MASTER STUDENTS

Christine Rother
Janine Brandes
Lisa Steinbrecher

Clinical Studies

DIAN Dominantly 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: Prof. Dr. Mathias Jucker, Prof. Dr. Christoph Laske, Oliver Preische, Dr. Susanne Gräber-Sultan, Elke Kuder-Buletta

DELCODE (DZNE – Longitudinal Cognitive Impairment and Dementia Study): The aim of the study is to characterize the neuronal network mechanisms of cognitive adaption and decompensation.

Investigators: Prof. Dr. Christoph Laske, Dr. Martina Buchmann, Christian Mychajliw, Petra Hinderer

LipiDiDiet Trail: Complimentary treatment of patients with mild cognitive impairment with a balanced nutrition drink (Souvenaid®). A randomized double-blind comparative study of 24 months including a 12-months extension study

Investigators: Prof. Dr. Christoph Laske, Dr. Martina Buchmann, Elke Vuckovic, Gertrud Schneider-Nyakotei

A Randomized, Two-Period, Double-blind, Placebo-controlled and Open-label, Multicenter Extension Study to Determine the Long-Term Safety and Tolerability of JNJ-54861911 in Subjects in the Early Alzheimer`s Disease Spectrum

Investigators: Prof. Dr. Christoph Laske, Oliver Preische, Dr. Stephan Müller, Elke Kuder-Buletta

A 24-month, Multicenter, Randomized, Double-blind, Placebo-controlled, Parallel-group, Efficacy, Safety, Tolerability, Biomarker, and Pharmacokinetic Study of AZD3293 in Early Alzheimer`s Disease (The AMARANTH Study)

Investigators: Prof. Dr. Christoph Laske, Oliver Preische, Dr. Stephan Müller, Dr. Christian Mychajliw, Elke Vukovic, Dilan Celik

Third-Party Funding

ONGOING GRANTS

Generation of APP transgenic mice

Project leader: Prof. Dr. Mathias Jucker

Funding institution: Koesler

Promotionsstipendium

Project leader: Ann-Christin Wendeln

Funding institution: Studienstiftung des deutschen Volkes

Donation for Alzheimer's biomarker research

Project leader: Prof. Dr. Mathias Jucker

Funding institution: Anonymous donor

Characterization of early proteopathic seeds in Alzheimer's disease

Project leader: Prof. Dr. Mathias Jucker

Funding institution: Academy of Sciences and Humanities in Hamburg

Award for medical research

Project leader: Prof. Dr. Mathias Jucker

Funding institution: MetLife Foundation USA

Donation for Alzheimer research and DIAN (Dominantly Inherited Alzheimer Network)

Project leader: Prof. Dr. Mathias Jucker

Funding institution: Anonymous donor

Intersite research grant DIAN (Tübingen site)

Project leader: Prof. Dr. Mathias Jucker

Funding institution: German Center for Neurodegenerative Diseases (DZNE)

JPND – TARGETs: Targeting the propagation of pathogenic protein assemblies in neurodegenerative disease (01ED1502)

Project leader: Prof. Dr. Mathias Jucker

Funding institution: BMBF: EU Joint Programme – Neurodegenerative Disease Research (JPND)

The role of medin, the most common human amyloid, in the pathology of Alzheimer's Disease (NE 1951/2-1)

Project leader: Dr. Jonas Neher

Funding institution: Deutsche Forschungsgemeinschaft (DFG)

Effects of transient peripheral immune stimulation on AD pathology

Project leader: Dr. Jonas Neher

Funding institution: The Paul G. Allen Family Foundation

Epigenetic microglial memory of peripheral inflammation as a non-genetic modifier of neurological disease (Az. 10.15.2.038MN)

Project leader: Dr. Jonas Neher

Funding institution: Fritz Thyssen Stiftung

Mechanisms of Neuronal Dysfunction and Death in Sepsis-induced Cognitive Impairment (NE 1951/4-1)

Project leader: Dr. Jonas Neher

Funding institution: Deutsche Forschungsgemeinschaft (DFG)

Verbundprojekt Sonderlinie Medizin Nr. 2440-0-0: Neuroinflammation bei der Neurodegeneration

Project leader: Prof. Dr. Mathias Jucker

Funding institution: Ministerium für Wissenschaft, Forschung und Kunst, Baden-Württemberg

JPND - REfrAME: Pathway complexities of protein misfolding in neurodegenerative diseases: a novel approach to risks evaluation and model development (01ED1607)

Project leader: Prof. Dr. Mathias Jucker

Funding institution: BMBF: EU Joint Programme – Neurodegenerative Disease Research (JPND)

NEW GRANTS

The role of medin, the most common human amyloid, in the pathology of Alzheimer's disease (NE 1951/2-2)

Project leader: Dr. Jonas Neher

Funding institution: Deutsche Forschungsgemeinschaft (DFG)

Single cell transcriptomics for the identification of microglial responder subtypes in Alzheimer's disease

Project leader: Dr. Jonas Neher

Funding institution: ONO Pharmaceuticals (Osaka, Japan)

IMPRiND (Inhibiting Misfolded protein Propagation in Neurodegenerative Diseases)

Project leader: Prof. Dr. Mathias Jucker

Funding institution: EU Joint Programme – IMI (Innovative Medicines Initiative)

EQIPD (Predictability of Alzheimer's Disease Animal Models)

Project leader: Prof. Dr. Mathias Jucker

Funding institution: EU Joint Programme – IMI (Innovative Medicines Initiative)

PhD Theses

(Completed in 2017)

Manuel Schweighauser

Exogenous induction of synucleinopathy in transgenic mice – An experimental study on the prion-like properties of alpha-synuclein

Supervisor: Prof. Dr. Mathias Jucker

Timo Eninger

CSF protein dynamics in murine models of alpha-synucleinopathy and cerebral alpha-amyloidosis

Supervisor: Prof. Dr. Mathias Jucker

Master Theses

(Completed in 2017)

Christine Rother

Biochemical characterization of natively purified amyloid- β species from murine and human brain extract

Supervisors: Mathias Jucker, Jonas Neher

Awards

Mehtap Bacioglu

Hertie Paper of the Year Award

Mehtap Bacioglu

Neurowind e.V. Forschungspreis für Experimentelle Neurologie

Dr. Jonas Neher

Teaching Award Graduate School of Molecular and Cellular Neuroscience 2017

Conferences & Workshops

2nd DIAN Family Meeting in Germany

Würzburg, 7-8 July 2017

Coordinator: Prof. Dr. Mathias Jucker

Guest Researcher

Prof. Dr. Lary C. Walker, Atlanta, USA

Host: Prof. Dr. Mathias Jucker

A photograph of two scientists in a laboratory setting. A man with glasses and a beard is looking at a woman with curly hair. They are both wearing white lab coats. The background shows shelves with various lab equipment and bottles.

Independent Research Groups

Neuroregeneration and Repair

Clinical and Scientific Staff

HEAD OF THE RESEARCH GROUP

Prof. Dr. Simone Di Giovanni, MD, PhD

SCIENTISTS/RESIDENTS

Guiping Kong
Luming Zhou

Third-Party Funding

ONGOING GRANTS

Breaking the epigenetic code: a new path to axonal regeneration following axonal injuries

Project leader: Prof. Dr. Simone Di Giovanni

Funding institution: German Research Foundation (DFG)

Physiology of Learning and Memory

Clinical and Scientific Staff

HEAD OF THE RESEARCH GROUP

Dr. Ingrid Ehrlich

SCIENTISTS/RESIDENTS

Dr. Ayla Aksoy-Aksel
Dr. Irene Melo (until 09/2017)

TECHNICAL STAFF/ADMINISTRATION

Andrea Gall

PHD DOCTORAL STUDENTS

Melina Matthiesen (from 04/2017)

MASTER STUDENTS

Tamara Vasilkovska (until 03/2017)

INTERNSHIPS

Charalampos Brakatselos
ERASMUS Program
Supervisor: Dr. Ingrid Ehrlich

Third-Party Funding

ONGOING GRANTS

The role of sleep in the consolidation of fear extinction memory

Project leader: Dr. Ingrid Ehrlich, Prof. Dr. Christian Büchel
Funding institution: German Research Foundation (DFG) (SFB-TR 654, TP A12)

Plasticity of intercalated cell microcircuits in fear learning

Project leader: Dr. Ingrid Ehrlich
Funding institution: German Research Foundation (DFG) (EH197/3-1)

MD Theses

(Completed in 2017)

Anna Gärtner

Elucidating projection patterns and postsynaptic partners of medial paracapsular intercalated cells in the mouse amygdala

Supervisor: Dr. Ingrid Ehrlich

Master Theses

(Completed in 2017)

Tamara Vasilkovska

Projection-specific medial paracapsular ITCs in the amygdala and their activation by fear learning and memory

Supervisor: Dr. Ingrid Ehrlich



**Publications
and Student
Training
in 2017**

List of Publications in 2017

(In alphabetical order)

Peer-Reviewed Articles

- Alber M, Kalscheuer VM, Marco E, Sherr E, Lesca G, Till M, Gradek G, Wiesener A, Korenke C, Mercier S, **Becker F**, Yamamoto T, Scherer SW, Marshall CR, Walker S, Dutta UR, Dalal AB, Suckow V, Jamali P, Kahrizi K, Najmabadi H, Minassian BA (2017) ARHGEF9 disease Phenotype clarification and genotype-phenotype correlation. *Neurology-Genetics* 3:9
- Allen AS, Berkovic SF, Bridgers J, Cossette P, Dlugos D, Epstein MP, Glauser T, Goldstein DB, Heinzen EL, Jiang Y, Johnson MR, Kuzniecky R, Lowenstein DH, Marson AG, Mefford HC, O'Brien TJ, Ottman R, Petrou S, Petrovski S, Poduri A, Ren Z, Scheffer IE, Sherr E, Wang QL, Balling R, Barisic N, Baulac S, Caglayan H, Craiu D, De Jonghe P, Depienne C, Guerrini R, Helbig I, Hjalgrim H, Hoffman-Zacharska D, Jahn J, Klein KM, Koeleman B, Komarek V, Krause R, Leguern E, Lehesjoki AE, Lemke JR, Lerche H, Linnankivi T, Marini C, May P, Moller RS, Muhle H, Pal D, Palotie A, Rosenow F, Selmer K, Serratosa JM, Sisodiya S, Stephani U, Sterbova K, Striano P, Suls A, Talvik T, von Spiczak S, **Weber Y**, Weckhuysen S, Zara F, Abou-Khalil B, Alldredge BK, Amrom D, Andermann E, Andermann F, Bautista JF, Berkovic SF, Bluvstein J, Cascino GD, Consalvo D, Crumrine P, Devinsky O, Dlugos D, Epstein MP, Fiol ME, Fountain NB, French J, Friedman D, Glauser T, Haas K, Haut SR, Hayward J, Joshi S, Kanner A, Kirsch HE, Kossoff EH, Kuperman R, Kuzniecky R, Lowenstein DH, McGuire SM, Motika PV, Novotny EJ, Ottman R, Paolicchi JM, Parent J, Park K, Poduri A, Scheffer IE, Shellhaas RA, Sherr E, Sirven J, Smith MC, Sullivan J, Thio LL, Venkat A, Vining EPG, Von Allmen GK, Weisenberg JL, Widdess-Walsh P, Winawer MR, Epi KC, Epi KC, Euro E-RESC, Epilepsy Phenome Genome P (2017) Application of rare variant transmission disequilibrium tests to epileptic encephalopathy trio sequence data. *European Journal of Human Genetics* 25:894-99
- Almandoz-Gil L, Lindstrom V, Sigvardson J, **Kahle PJ**, Lannfelt L, Ingelsson M, Bergstrom J (2017) Mapping of Surface-Exposed Epitopes of In Vitro and In Vivo Aggregated Species of Alpha-Synuclein. *Cellular and Molecular Neurobiology* 37:1217-26
- Amrom D, **Euro E-RC**, Euro E-RC, Epilepsy Phenome Genome P, Epi KC (2017) De Novo Mutations in Synaptic Transmission Genes Including DNMT1 Cause Epileptic Encephalopathies (vol 95, pg 360, 2014). *American Journal of Human Genetics* 100:179-79
- Androsova G, Krause R, Borghei M, Wassenaar M, Auce P, Avbersek A, **Becker F**, Berghuis B, Campbell E, Coppola A, Francis B, **Wolking S**, Cavalleri GL, Craig J, Delanty N, Koeleman BPC, Kunz WS, **Lerche H**, Marson AG, Sander JW, Sills GJ, Striano P, Zara F, Sisodiya SM, Depondt C, Epi PGXC (2017) Comparative effectiveness of antiepileptic drugs in patients with mesial temporal lobe epilepsy with hippocampal sclerosis. *Epilepsia* 58:1734-41
- Armento A**, Ilina EI, Kaoma T, Muller A, Vallar L, Niclou SP, Kruger MA, Mittelbronn M, **Naumann U** (2017) Carboxypeptidase E transmits its anti-migratory function in glioma cells via transcriptional regulation of cell architecture and motility regulating factors. *International Journal of Oncology* 51:702-14
- Bayer A, Schmitt S, Guenther M, **Haeufle DFB** (2017) The influence of biophysical muscle properties on simulating fast human arm movements. *Computer Methods in Biomechanics and Biomedical Engineering* 20:803-21
- Becker F**, Reid CA, Hallmann K, Tae H-S, Phillips AM, Teodorescu G, **Weber YG**, Kleefuss-Lie A, Elger C, Perez-Reyes E, Petrou S, Kunz WS, **Lerche H**, **Maljevic S** (2017) Functional variants in HCN4 and CACNA1H may contribute to genetic generalized epilepsy. *Epilepsia open* 2:334-42
- Behling F, Kaltenstadler M, Noell S, Schittenhelm J, Bender B, Eckert F, **Tabatabai G**, Tatagiba M, Skardelly M (2017) The Prognostic Impact of Ventricular Opening in Glioblastoma Surgery: A Retrospective Single Center Analysis. *World Neurosurgery* 106:615-24
- Belardinelli P**, Laer L, Ortiz E, Braun C, Gharabaghi A (2017) Plasticity of premotor cortico-muscular coherence in severely impaired stroke patients with hand paralysis. *NeuroImage: Clinical* 14:726-33
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Book Chapters

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List of Student Training in 2017

(In alphabetical order)

Lectures

(Summer Term/Winter Term)

Basic Neurobiology

Prof. Dr. Philipp Kahle (coordinator), Dr. Jonas Neher, Dr. Henner Koch, Dr. Sven Geisler, Dr. Ingrid Ehrlich, PD Dr. Daniel Weiß

Curriculum Molecular Medicine

Behavior and Cognition: Neuropsychology

Prof. Dr. Dr. Hans-Otto Karnath, Dr. Marc Himmelbach
Graduate Training Centre of Neuroscience

Biochemistry II for Medical Students

Prof. Dr. Philipp Kahle
Faculty of Science (Biochemistry)

Cell Imaging Techniques

Dr. Henner Koch et al.
Graduate Training Centre of Neuroscience

Computational Motor Control

Dr. Winfried Ilg, Dr. Daniel Häufle
Graduate Training Centre of Neuroscience

Diagnosis of Brain Death

Dr. Sven Poli
Medical Faculty

Dynamics of Neural Systems

Prof. Dr. Martin Giese
Graduate Training Centre of Neuroscience

Fundamentals of Sensorimotor Integration

Prof. Dr. Uwe Ilg
Graduate Training Centre of Neuroscience

Genetic and Molecular Basis of Neural Diseases I

Prof. Dr. Mathias Jucker, Prof. Dr. Thomas Gasser, Prof. Dr. Ludger Schöls, Prof. Dr. Manuela Neumann
Graduate Training Centre of Neuroscience

Genetic and Molecular Basis of Neural Diseases II

Prof. Dr. Holger Lerche, Prof. Dr. Ulrike Naumann, PD Dr. Felix Bischof, Dr. Henner Koch, Dr. Markus Krumbholz
Graduate Training Centre of Neuroscience

Genome-Editing Technologies for Gene and Stem Cell Therapy

Jun. Prof. Dr. Dr. Michela Deleidi
Graduate Training Centre of Neuroscience

Grundlagen naturwissenschaftlicher Forschungsmethoden

Dr. Daniel Häufle
Faculty of Science

Introduction to Clinical Neurology

PD Dr. Tobias Freilinger, PD Dr. Daniel Weiß, Dr. Markus Krumbholz
Medical Faculty

Laboratory Techniques

Dr. Daniel Häufle
Graduate Training Centre of Neuroscience

Lecture General Neurology

Prof. Dr. Thomas Gasser, Prof. Dr. Holger Lerche, Prof. Dr. Ulf Ziemann, Prof. Dr. Hans-Otto Karnath
Medical Faculty

Lecture series for doctoral candidates: Ion Channels and Epilepsy

Prof. Dr. Holger Lerche
Graduate Training Centre of Neuroscience

Lecture Series on the Fundamentals of Neurobiology – Part I + II

Dr. Henner Koch
Graduate Training Centre of Neuroscience

Machine Learning

Dr. Tjeerd Dijkstra
Graduate Training Centre of Neuroscience

Machine Learning II

Prof. Dr. Martin Giese, Dr. Tjeerd Dijkstra
Graduate Training Centre of Neuroscience

Methods in Neuropsychology

Dr. Marc Himmelbach, Christoph Sperber, Dr. Til Ole Bergmann
Graduate Training Centre of Neuroscience

Molecular and Cellular Basis of Learning and Memory*Dr. Ingrid Ehrlich (coordinator)*

Graduate Training Centre of Neuroscience

Motor Systems*Prof. Dr. Hans-Peter Thier*

Graduate Training Centre of Neuroscience

Motor Systems NIPS*Prof. Dr. Cornelius Schwarz*

Graduate Training Centre of Neuroscience

Neural Motor Control*Dr. Winfried Ilg*

Graduate Training Centre of Neuroscience

Neurochemistry and Neurotransmitters*Prof. Dr. Philipp Kahle*

Graduate Training Centre of Neuroscience

Neurocritical Care*Dr. Florian Müller-Dahlhaus*

Winter School Critical Care

(Society of Neurocritical Care Medicine)

Neurogenesis, Excitability, Plasticity and Neurostimulation*Dr. Christoph Zrenner*

Medical Technology – Human Biology IV

Neurogenetic Research*Prof. Dr. Ludger Schöls*

Medical Faculty

Neurogeriatrics (QB7)*PD Dr. Matthis, Synofzik*

Medical Faculty

Neuroglia*Dr. Jonas Neher & Dr. Maria Kukley*

Graduate Training Centre of Neuroscience

Neurointensive Care*Prof. Jennifer Diedler, Dr. Johannes Platz,**Dr. Annerose Mengel*

Medical Faculty

Neurological Emergencies*Dr. Sven Poli*

Medical Faculty

Neurophysiology*Prof. Dr. Cornelius Schwarz, Dr. Christine Pedroarena*

Graduate Training Centre of Neuroscience

Multimodal Therapy of Parkinson's Disease for Pharmacists*PD Dr. Rebecca Schüle*

Faculty of Science

Perception, Cognition & Behavior*Dr. Marc Himmelbach*

Graduate Training Centre of Neuroscience

Primary Headache Syndromes and Neuropathic Pain*PD Dr. Tobias Freilinger*

Medical Faculty

Ringvorlesung Laboratory Techniques*Dr. Daniel Häufle*

Medical Faculty & Medical of Science

Ringvorlesung Wissenschaftlichkeit (Neuroscience)*Prof. Dr. Mathias Jucker*

Medical Faculty

Sensory Systems*Dr. Ziad Hafed*

Graduate Training Centre of Neuroscience

Ultraschall in der Neurologie*PD Dr. Alexander Grimm*

Medical Faculty

Seminars and Courses

(Summer Term/Winter Term)

Addressing Current Questions in Research on Sensorimotor Coordination

Prof. Dr. Hans-Peter Thier
Medical Faculty

Animal Physiology Practical for Students of Bioinformatics (BSc)

Prof. Dr. Uwe Ilg
Faculty of Science (Biology)

Basics in Gene Therapy

Prof. Dr. Ulrike Naumann
Medical Faculty

Bedside Teaching: Neurological Examination for Advanced Students

Prof. Dr. Ludger Schöls, PD Dr. Rebecca Schüle, PD Dr. Matthias Synofzik
Medical Faculty

Bedside Training: Neurological Diagnostics

Prof. Dr. Yvonne Weber, Gabriela Zaiser, Nathalie Vetter, Yvonne Schütze, PD Dr. Alexander Grimm, Dr. Benjamin Röben, Dr. Tobias Lindig
Medical Faculty

Bedside Training: Neurology and Epileptology

Prof. Dr. Yvonne Weber, Dr. Sabine Rona, Prof. Dr. Holger Lerche, PD Dr. Niels Focke, Monika Fudali, Dr. Josua Kegele
Medical Faculty

Beyond Broca and Wernicke – Update of the Language Network

Prof. Dr. Ingo Hertrich
General Linguistics (Philosophical Faculty) and Cognitive Science (Faculty of Science)

Block Practical Electrophysiology

Prof. Dr. Cornelius Schwarz
Graduate Training Centre of Neuroscience

Chronic Pain Syndromes – Bedside Teaching (QB14)

PD Dr. Tobias Freilinger
Medical Faculty

Current Problems in Neuropsychology

Prof. Dr. Dr. Hans-Otto Karnath
Medical Faculty

Current Topics and Methods in Neurophysiology

Dr. Ingrid Ehrlich, Dr. Ulrike Hedrich, Dr. Henner Koch
Medical Faculty

Diagnosis and Intervention of Activity of Daily Living Function

PD Dr. Inga Liepelt-Scarfone
Department of Psychology (Faculty of Science)

Dynamics of Neural Systems (exercises)

Prof. Dr. Martin Giese, Albert Mukovskiy, Mohammad Hovaidi Ardestani
Graduate Training Centre of Neuroscience

Fall School: Facets of Aging

PD Dr. Axel Lindner, Dr. Ingrid Ehrlich
Interfaculty (Medical Faculty / Humanities)

From Monologue to Dialogue – Turn taking and speakers in interaction

Prof. Dr. Ingo Hertrich
General Linguistics (Philosophical Faculty) and Cognitive Science (Faculty of Science)

Geriatric-neurological-psychiatric Case Conference

Prof. Dr. Gerhard W. Eschweiler (UKT), PD Dr. Matthias Synofzik PD Dr. Daniel Weiß, Dr. Günther Schnauder (UKT)
Medical Faculty

Hertie Lunch Seminar

Prof. Dr. Uwe Ilg
Medical Faculty

INNOVATE: Interdisciplinary Neuro-Oncology from Molecular Mechanisms to Patient Stratification and Therapy

Prof. Dr. Dr. Ghazaleh Tabatabai
Medical Faculty, Graduate Training Centre of Neuroscience

Introduction to Transcranial Brain Stimulation*Dr. Til Ole Bergmann*

Medical Faculty

Journal Club*Dr. Dr. Saskia Biskup*

Graduate School of Cellular and Molecular Neuroscience

Journal Club Computational Motor Control*Dr. Daniel Häufle*

Graduate Training Centre of Neuroscience

Journal Club IZKF Promotionskolleg*Prof. Dr. Ulrike Naumann*

Medical Faculty Neuroscience

Lab Practicals Neurophysiology*Prof. Dr. Cornelius Schwarz*

Graduate Training Centre of Neuroscience

Machine Learning II (exercises)*Prof. Dr. Martin Giese, Dr. Tjeerd Dijkstra*

Graduate Training Centre of Neuroscience

Methodological Frontiers in the Cognitive Neurosciences*Dr. Marc Himmelbach et al.*

Graduate Training Centre of Neuroscience

Molecular Neurooncology*Prof. Dr. Ulrike Naumann*

Medical Faculty

Motion in Man and Machine*Dr. Daniel Häufle*

Graduate Training Centre of Neuroscience

Neurobiological Monday Seminar*Prof. Dr. Uwe Ilg*

Medical Faculty

Neurocolloquium*Prof. Dr. Hans-Peter Thier*

Graduate Training Centre of Neuroscience /

Medical Faculty

Neurohistology and -morphology**Block course of the Department of Cellular Neuology***Prof. Dr. Mathias Jucker*

Graduate Training Centre of Neuroscience

Neurological Differential Diagnosis and**Interactive Clinical Case Discussions***PD Dr. Tobias Freilinger*

Medical Faculty

Neurological Examination Course*Prof. Dr. Thomas Gasser, Prof. Dr. Holger Lerche,**Prof. Dr. Ulf Ziemann and staff*

Medical Faculty

Neurological Palliative Care*PD Dr. Matthias Synofzik, PD Dr. Tobias Freilinger*

Medical Faculty

Neurological Seminar*Prof. Dr. Ludger Schöls, PD Dr. Daniel Weiß,**PD Dr. Rebecca Schüle, PD Dr. Matthias Synofzik,**PD Dr. Niels Focke, PD Dr. Tobias Freilinger,**Dr. Florian Müller-Dahlhaus, Dr. Markus Krumbholz,**Dr. Sven Poli, Prof. Dr. Dr. Ghazaleh Tabatabai*

Medical Faculty

Neuropathological Case Meeting*Prof. Dr. Manuela Neumann (Dept. of Neuropathology, UKT)*

Medical Faculty

Neurophysiology Seminars**and De-Briefing of Practical Course***Dr. Ulrike Hedrich, Dr. Henner Koch**(coordinator: Prof. Dr. Olga Garaschuk)*

Medical Faculty

Neuropsychological Disorders of Dementia*PD Dr. Inga Liepelt-Scarfone*

Department of Psychology (Faculty of Science)

Oncolytic Viruses as Cancer Therapeutic Drugs*Prof. Dr. Ulrike Naumann*

Medical Faculty

Seminars and Courses

(Summer Term/Winter Term)

OSCE

Dr. Markus Krumbholz et al.

Medical Faculty

Practical Neurobiology

PD Dr. Axel Lindner, Dr. Ziad Hafed

Faculty of Science (Biology)

Retreat IZKF Promotionskolleg

Prof. Dr. Ulrike Naumann

Medical Faculty Neuroscience

Scientific Colloquium Neurology

(“Wednesday Colloquium”)

PD Dr. Matthis Synofzik

Medical Faculty

Scientific Misconduct, Responsible Conduct and the Shades of Grey in Between

Dr. Marc Himmelbach et al.

Graduate Training Centre of Neuroscience

Seminar in Medical Psychology

Missed it again! Attention and its deficits

Dr. Bianca de Haan

Medical Faculty

Summer School: Neural Prosthetics:

From Restoration to Enhancement of Biological Systems?

Perspectives from Science, Ethics and Philosophy

PD Dr. Axel Lindner

Graduate Training Centre of Neuroscience

Technical Didactics: Neuroscience in the Classroom

Prof. Dr. Uwe Ilg

Faculty of Science (Biology)

The Neurobiology of the Cerebellum

Prof. Dr. Hans-Peter Thier

Medical Faculty

Therapy Seminar of the Neurological Clinic

Prof. Dr. Holger Lerche, Prof. Dr. Ulf Ziemann,

Prof. Dr. Thomas Gasser, PD Dr. Rebecca Schüle,

PD Dr. Matthis Synofzik, Prof. Dr. Hans-Peter Thier,

Prof. Dr. Dr. Ghazaleh Tabatabai

Medical Faculty

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