



**Hertie-Institut**  
für klinische Hirnforschung

EBERHARD KARLS  
UNIVERSITÄT  
TÜBINGEN



annual report 2010

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center of neurology tübingen

Directors: Prof. Dr. Thomas Gasser  
Prof. Dr. Mathias Jucker  
Prof. Dr. Holger Lerche  
Prof. Dr. Arthur Melms  
Prof. Dr. Peter Thier

## The Center of Neurology - 2010 - Annual Report

The Center of Neurology at the University of Tuebingen was founded in 2001. It unites the Hertie Institute for Clinical Brain Research (HIH) and the University Clinic for Neurology in an organizational structure with the mission to promote excellence in research and patient care. Presently, the center consists of four clinical departments (General Neurology, Epileptology, Neurodegeneration and Cognitive Neurology) and one basic science department (Cellular Neurology).

The four clinical departments provide inpatient and outpatient care within the University Hospital, while their clinical and basic research groups are part of the Hertie Institute.

The Charitable Hertie Foundation has provided around 24 million Euros until 2010 and has signed a contract with the University to continue its support to the Center of Neurology on an even higher level until 2015.

In less than 10 years of its existence, the Hertie Institute has grown to more than 200 scientists of all levels, from PhD students to full professors. It is home to a total of 23 research groups, 20 of them within the aforementioned departments, three as junior research groups, not associated with particular departments. The first of these groups, which has been established in 2006, has just successfully passed its first evaluation by the board of trustees of the Hertie-Institute and has been promoted from "junior" to "independent" group status.

In 2010, scientists at the Center of Neurology have obtained more than 6,5 million Euro in third party funding and have published more than 200 papers in peer reviewed journals.

The new Department of Neurology with focus on Epileptology has started operations in November 2009 and has quickly become a visible component of the center. It attracts a growing number of in- and outpatients with paroxysmal neurological disorders, in particular those with difficulties to treat epilepsies, but also pain and muscle disorders. An Electroencephalography (EEG) -monitoring unit for presurgical workup of pharmacoresistant epilepsies and differential diagnosis of episodic disorders has been successfully established, which is run in close cooperation with the neurosurgery department. The research is focussed on genetics, pharmacogenetics and pathophysiological mechanisms of epilepsies and related disorders.

The Hertie Institute is part of a growing neuroscience community in Tuebingen. Several research groups of the HIH are also members of the excellence cluster „Werner Reichardt Center for Integrative Neuroscience“ (CIN) which was founded in 2008, comprising about 70 principal investigators

Figure 1



Panorama view of FIN, topping-out ceremony.

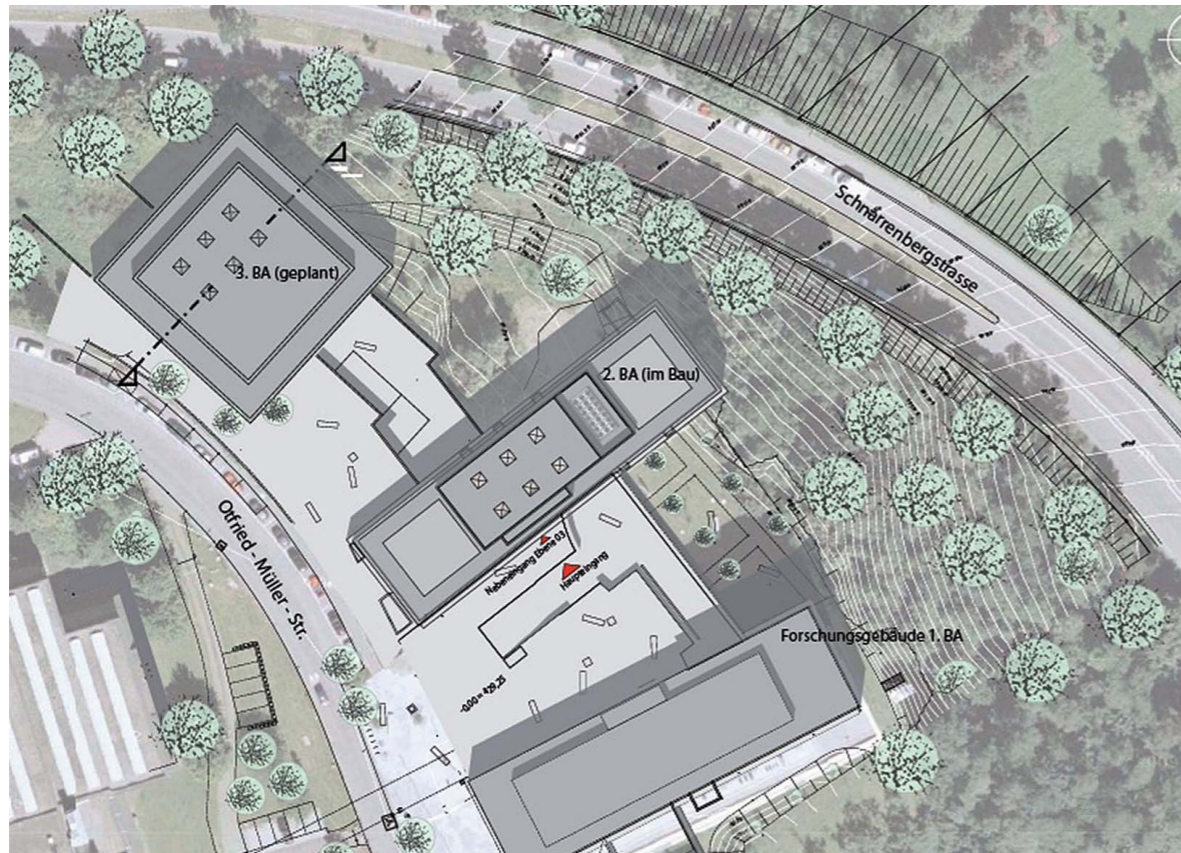
## The Center of Neurology

from various faculties, the MPI for Biological Cybernetics and the Fraunhofer Institute IPA. Among others, the CIN has set up 5 new professorships and 13 independent junior research groups in various areas of the basic and applied neurosciences. The last recruitments could be successfully finalized in 2010.

The German Center of Neurodegenerative Diseases (DZNE), which was founded as a partner institute in 2009, successfully secured the funding for the new building with generous contributions from the Medical Faculty, the University Hospital, the Land Baden-Wuerttemberg and is looking forward to an exciting new research environment.

The new research building on the Schnarrenberg neuroscience campus, which will also house HHG-groups, has grown (figure 1), the topping out-ceremony was held on July 8, 2010. The building is projected to go into operation in spring 2012. The projected DZNE building will be located on the same campus and will hopefully be finished in 2014 (figure 2).

Figure 2



A vision of the Neuroscience Campus of the future in Tuebingen: The Hertie Institute for Clinical Brain Research (bottom), the Werner Reichardt Center for Integrative Neuroscience (middle, under construction), and the German Center for Neurodegenerative Diseases (at the top, in planning).

## Organisation

### Board of Directors

Prof. Dr. Thomas Gasser (chairman)

Prof. Dr. Mathias Jucker

Prof. Dr. Holger Lerche

Prof. Dr. Arthur Melms

Prof. Dr. Hans-Peter Thier

### Managing Director

Wolfgang Pfaff

### Board of Trustees

Prof. Dr. Konrad Beyreuther (chairman)

Prof. Dr. Johannes Dichgans

Prof. Dr. Hans-Joachim Heinze

Prof. Dr. Klaus-Peter Hoffmann

Prof. Dr. Wieland B. Huttner

Prof. Dr. Michael Madeja

Prof. Dr. Richard Meyermann

Prof. Dr. Wolf Singer

Prof. Dr. Heinz Wässle

Prof. Dr. Otmar D. Wiestler

**Clinical Staff**  
**Clinical Performance Data**  
**Scientific Staff**  
**Clinical Studies**  
**Third-Party Funding**  
**Publications**  
**Awards, Habilitations, Theses**  
**Conferences**  
**Student Training**

## General Neurology / Neurology and Epileptology ■■

### Head of Department of General Neurology

---

Prof. Dr. A. Melms (Acting-Chairman)

### Attending physicians

---

|                                      |                   |                        |
|--------------------------------------|-------------------|------------------------|
| Dr. F. Asmus                         | PD Dr. F. Bischof | Dr. C. Bux             |
| Dr. J. Erharhagen (neuro-cardiology) |                   | Prof. Dr. T. Haarmeier |

### Residents

---

|               |                 |                    |
|---------------|-----------------|--------------------|
| Dr. M. Albert | Dr. C. Braun    | A. Clermont        |
| Dr. C. Fiola  | Dr. K. Freitag  | Dr. C. Frischholtz |
| K. Horber     | Dr. B. Liske    | O. Preische        |
| Dr. C. Schell | D. Schlak       | M. Varga           |
| M. Wolf       | L. Zitzlsperger |                    |

### Technical staff

---

|   |           |
|---|-----------|
| Dipl.-Ing. R. Berndt (Electronics, together with the Department of Cognitive Neurology) |           |
| G. Hipp   | T. Stehle |

### Professorship for Neurorehabilitation

---

|                        |                    |                         |
|------------------------|--------------------|-------------------------|
| Prof. Dr. H. Ackermann | PD Dr. I. Hertrich | M. Borutta (Technician) |
|------------------------|--------------------|-------------------------|

### Head of Department of Neurology and Epileptology

---

Prof. Dr. H. Lerche (Chairman)

### Attending physicians

---

PD Dr. Y. Weber

### Residents (Dept. Lerche)

---

|                  |               |                  |
|------------------|---------------|------------------|
| Dr. M. Bartz     | F. Becker     | Dr. I. Bucurescu |
| Dr. N. Dammeier  | Dr. K. Friebe | A.-G. Heidrich   |
| Dr. B. Kieninger | Dr. S. Klamer | Dr. G. Orhan     |
| Dr. J. Richter   | Dr. T. Ulrich | Dr. L. Zeltner   |

### Technical staff

---

|          |           |              |
|----------|-----------|--------------|
| S. Bentz | J. Gollub | C. Hengsberg |
| S. Rau   | A. Schmid |              |

## ■ ■ Neurodegenerative Diseases / Cognitive Neurology

### Heads of Department of Neurology with Focus on Neurodegenerative Diseases

Prof. Dr. T. Gasser (Chairman)  
Prof. Dr. L. Schöls (Vice-Chairman, Section Head)

### Attending physicians

Prof. Dr. D. Berg                      Prof. Dr. R. Krüger

### Residents

|                         |                  |                      |
|-------------------------|------------------|----------------------|
| PD Dr. S. Breit         | Dr. K. Brockmann | Dr. A. Gänslen       |
| Dr. J. Godau            | Dr. H. Huber     | Dr. K. Karle         |
| Dr. T. Lindig           | Dr. C. Linnemann | PD Dr. W. Maetzler   |
| Dr. J. Müller vom Hagen | Dr. J. Schicks   | Dr. R. Schüle-Freyer |
| Dr. K. Srulijes         | Dr. M. Synofzik  | Dr. T. Wächter       |
| Dr. D. Weiß             | Dr. I. Wurster   |                      |

### Neuropsychologists

Dr. I. Liepelt-Scarfore              Dr. S. Gräbner-Sultan

### Heads of Department of Cognitive Neurology

Prof. Dr. P. Thier (Chairman)  
Prof. Dr. Dr. H.-O. Karnath (Vice-Chairman, Section Head)

### Physicians

Prof. Dr. T. Haarmeier              Dr. J. Pomper                      Dipl.-Psych. P. Rebasoo

## Nursing / Technical / Administrative Staff ■

### Senior staff

L. Wollny, M. Renner (PDL)

### Ward 43/45

C. Assenheimer, S. Baltes, C. Baur, S. Becht, M. Besser, F. Chmell, S. Clement, C. Cuk, J. Eisele, B. Eisele, S. Erath-Digese, R. Fais, M. Glöckle, M. Grunwald, W. Hansen, H. Henger, S. Herter, A. Hesse, M. Heymann, A. Hoffmann, E. Kern, B. Kloster, O. Krämer, J. Kronmüller, S. Kurz, T. Kutscher, A. Langmann, R. Mahler, M. Maurer, C. Ott, D. Pachollek, M. Schaible, M. Schiel, H. Scholpp, H. Schüler, K. Schweinbenz, A. Siegle, K. Siegle, L. Stengel, E. Theilacker, I. Utsch-Sellnow

### Ward 42

A. Eisele, G. Häfele, R. Maier-Korneck, I. Sadowski, U. Schweizer, S. Sciarrone, G. Siegl

### Intensive Care/Stroke Unit

K. Eggart, U. Fischer, J. Fischer, M. Föll, S. Fuchs, S. Grumann, F. Hauber, C. Hildbrand, H. Holzapfel, K. Huber, I. Jankowsky, R. Johner, P. Kaschowitz, D. Kleck, U. Kocher, M. Kunz, I. Lange, C. Löw, M. Lohmüller, S. Mekanovic, N. Melzer, A. Mögle, C. Moosmann, B. Moryson, N. Müller, P. Nipprasch, M. Rauch, C. Reuter, C. Romeikat, T. Rottmann, B. Sahin, M. Schäfer, J. Schmuck, L. Schneider, T. Striebich, L. Villinger, A. Weber, G. Weise, E. Wener-Buck, B. Werner, D. Zeller, U. Zimmermann, S. zum Felde

### Ward 41

R. Frey, M. Gockner, M. Grunwald, J. Kraus, A. Schmid, B. Wurster

### Case / Occupancy Management

U. Braun, S. Clement, W. Eissler, C. Tomschitz

### Technicians

|                            |                           |                           |
|----------------------------|---------------------------|---------------------------|
| N. Vetter (ENG, Neurosono) | M. Dengler (EEG)          | E. Dubois (CFS Chemistry) |
| S. Ebner (CSF Chemistry)   | A. Eckert (CSF Chemistry) | C. Friedrich (ENG)        |
| J. Grimm (EMG)             | R. Mahle (EEG, Neurosono) | A. Deutsch (EP)           |
| P. Schroth (CSF Chemistry) | B. Wörner (EEG)           |                           |

### Secretaries

S. Bentz, E. Biesinger, G. Gonglach-Pfannenschmidt, I. Marterer, J. Miller, K. Otterbach, C. Riegraf, D. Wieder, D. Thomma

### Medical Documentation

S. Brandner, C. Brick, H. Feuerbacher

■ Clinic for Neurology

Inpatient Care

Number of admissions: 4.470 (2009: 4.361)

Length of stay: 5,0 days (2009: 5,5)

Case-Mix-Index: 1,46 (2009: 1,53)

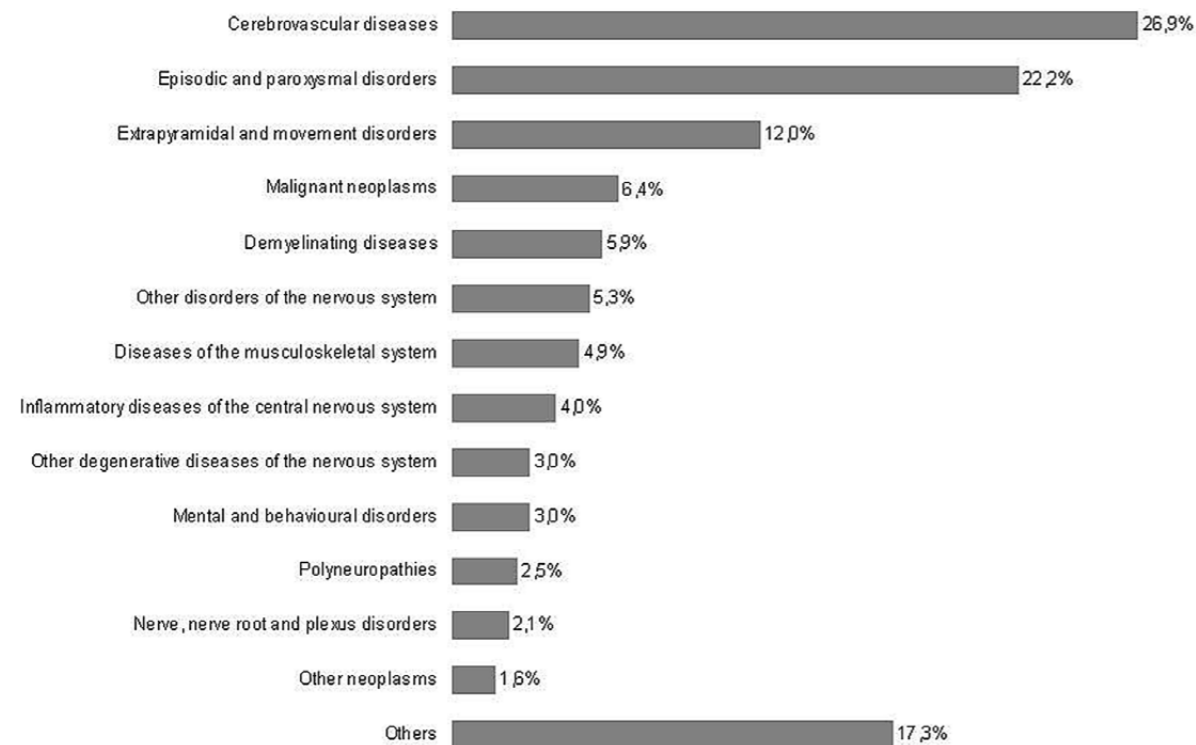


Figure 1: In-patient Diagnosis Groups 2010

Outpatient Care

In 2010 we had 13.819 consultations in the neurological outpatient clinic; of these 20% were in-patients from other departments of the University Hospital Tübingen.

General Neurology / Neurology and Epileptology ■■

Acting Director of the Department of General Neurology

Prof. Dr. A. Melms

Group leaders

|                        |               |                   |
|------------------------|---------------|-------------------|
| Prof. Dr. H. Ackermann | PD F. Bischof | PD Dr. U. Naumann |
|------------------------|---------------|-------------------|

Scientific staff

|                    |               |          |
|--------------------|---------------|----------|
| Dr. E. Adamopoulou | Dr. S. Anders | J. Klose |
| J. My Lin Lam      | K. M. Strauss |          |

Technical staff

|                 |             |             |
|-----------------|-------------|-------------|
| S. Altenberendt | J. Barthels | U. Hamacher |
| C. Herrmann     | S. Pöschel  |             |

Medical Doctoral / Diploma Students

|            |            |             |
|------------|------------|-------------|
| I. Fischer | A. Hauser  | P. Hoffmann |
| F. Piehl   | O. Podlech | C. Steiert  |
| L. Weber   |            |             |

Director of the Department of Neurology and Epileptology

|                     |                 |
|---------------------|-----------------|
| Prof. Dr. H. Lerche | PD Dr. Y. Weber |
|---------------------|-----------------|

Scientific staff

|                 |                 |                   |
|-----------------|-----------------|-------------------|
| F. Becker       | Dr. N. Dammeier | Y. Füll           |
| Dr. U. Hedrich  | Dr. Y. Liao     | Dr. Y. Liu        |
| Dr. S. Maljevic | S. Müller       | Dr. G. Teodorescu |
| J. Schubert     |                 |                   |

Technical staff

|              |               |            |
|--------------|---------------|------------|
| Y. Colakoglu | N. Jezutkovic | H. Löffler |
| A. Vargas    |               |            |

Medical Doctoral / Diploma Students

|              |             |          |
|--------------|-------------|----------|
| M. Bock      | S. Lauxmann | A. Naros |
| T. Schneider |             |          |

■ Neurodegenerative Diseases

**Director of the Department of Neurodegenerative Diseases**

Prof. Dr. T. Gasser

**Group leaders**

Dr. F. Asmus  
Prof. Dr. R. Krüger

Prof. Dr. D. Berg  
Prof. Dr. L. Schöls

Prof. Dr. P. Kahle

**Scientific staff**

Dr. Dr. S. Biskup  
L. Burbulla  
H. Demant Hansen  
C. Funke  
M. García-Miralles  
Dr. S. Gräber-Sultan  
Dr. H. Huber  
Dr. G. Krebiehl  
Dr. R. Liscic  
E. Rannikko  
B. Schmid  
C. Schulte  
Dr. K. Srulijes  
J. Vetter  
Dr. I. Wurster

PD Dr. S. Breit  
D. Ciceri  
A. Dhingra  
Dr. N. Funk  
S. Geisler  
Dr. A. Gröger  
Dr. K. Karle  
Dr. T. Lindig  
PD Dr. W. Maetzler  
H. Schell  
S. Schmid  
Dr. M. Sharma  
Dr. M. Synofzik  
Dr. C. Wersinger

Dr. K. Brockmann  
E. Cornejo Castro  
Dr. F. Fiesel  
Dr. A. Gaenslen  
Dr. J. Godau  
K. Holmström  
N. Kieper  
Dr. C. Linnemann  
E. Otroshehenko  
Dr. J. Schicks  
Dr. R. Schüle-Freyer  
Dr. W. Springer  
C. Thömmes  
Dr. M. Wölfle

**Scientific staff – German Center of Neurodegenerative Diseases (DZNE)**

F. Hans  
P. Sood  
Dr. C. Wersinger

A. Hummel  
Dr. W. Springer

C. Rotermund  
J. Vetter

**Technical staff / Administration**

M. Albers  
Dr. B. Faust  
K. Hesse  
U. Küstner  
P. Mech  
I. Posner  
S. Schwarze  
D. Skujat

C. Deuschle  
A. Hauser  
T. König  
G. Lutz  
D. Möckel  
M. Rüdiger Albers  
S. Seidel  
S. Weber

C. Erhardt  
T. Heger  
S. Krambeer  
B. Maurer  
Dr. A. Oehmig  
H. Schmid  
A. Seibel

Neurodegenerative Diseases ■

**Technical staff / Administration – German Center of Neurodegenerative Diseases (DZNE)**

C. Boden

A. Hauser

F. Schiele

**Medical Doctoral Students**

A. Abaza  
D. Baumann  
C. Bormann  
C. Bubser  
J. Christ  
S. Dilger  
A. Droby  
E. Fehlert  
K. Fischerkeller  
J. Hallwachs  
D. Heine  
F. Hofer  
S. Keller  
T. Kukiolka  
J. Lehmann  
A. Meyer  
M. Nechyporenko  
F. Pieper  
J. Rolinger  
R. Schäuffele  
U. Schröder  
V. Siegert  
J. Stirnkorb  
E.-M. Strohmeier  
C. Urban  
S. Weber  
R. Wüst

G. Amexi-Olibia  
G. Baysal  
S. Brenner  
V. Bürgstein  
K. Czarkowski  
C. Döring  
M. Ellerbrock  
C. Fenske  
K. Greulich  
P. Heide  
M. Herfurth  
M. Kampmeyer  
S. Kleinhaus  
A. Kuhn  
M. Linzner  
S. Meyer  
T. Ngamsri  
D. Prakash  
A. K. Schäfer  
C. Schelling  
T. Schubert  
N. Spinnler  
R. Stockner  
I. Swid  
A. Vogel  
A. Wendt

S. Bauer  
M. Bentele  
T. Brüssel  
D. Cerkez  
E. Dietzel  
N. Dorst  
K. F. Ermisch  
A. Feseker  
E. Grüner  
M. Heim  
M. Hobert  
B. Kattner  
K. Knauel  
J. Lang  
D. Madzar  
K. Müller  
N. Philipp  
N. Röhrich  
E. Schäffer  
D. Schmid-Bielenberg  
S. Schürger  
E. Silberhorn  
V. Stoycheva  
B. Unmuth  
C. U. Wahl  
A.-K. Wevers



■ Cognitive Neurology

**Director of the Department of Cognitive Neurology**

---

Prof. Dr. P. Thier

**Group leaders**

---

|                   |                      |                             |
|-------------------|----------------------|-----------------------------|
| Dr. P. Dicke      | Prof. Dr. M. Giese   | Prof. Dr. T. Haarmeier      |
| Dr. M. Himmelbach | Prof. Dr. U. Ilg     | Prof. Dr. Dr. H.-O. Karnath |
| Dr. A. Lindner    | Prof. Dr. C. Schwarz | PD Dr. F. Sultan            |

**Scientific staff**

---

|                                  |                       |                |
|----------------------------------|-----------------------|----------------|
| A. Atabaki                       | T. Beck               | Dr. A. Benali  |
| U. Biber                         | S. Borchers           | Dr. D. Brugger |
| C. Budziszewski                  | Dr. S. Butovas        | V. Caggiano    |
| Dr. E. Chiovetto                 | A. Christensen        | N. Daddaoua    |
| Dr. D. Endres                    | F. Fleischer          | P. Georgieva   |
| Dr. B. de Haan                   | S. Hamodeh            | Dr. H. Hicheur |
| Dr. E. Huberle                   | Dr. A. Ignashchenkova | Dr. W. Ilg     |
| B. Joachimsthaler (DZNE stipend) | A. Kundu              | W. Linzenbold  |
| A. Maia Chagas                   | A. Mandler            | K. Marciniak   |
| Dr. J. A. Martin                 | U. Mihulowicz         | J. R. Müller   |
| A. Mukovskiy                     | S. Obermeyer          | S. Ölschläger  |
| L. Omlor                         | Dr. C. Pedroarena     | A. Pilacinski  |
| B. Piotrowska                    | Dr. T. Pflugshaupt    | Dr. J. Pomper  |
| M. Prsa                          | C. Puzicha            | J. Rennig      |
| B. Ritzinger                     | A. Smilgin            | J. Suchan      |
| N. Taubert                       | F. Vintila            | C. Waiblinger  |
| M. Wallscheid (DZNE stipend)     | C. Wiebel             | B. Wirxel      |
| I. Zündorf                       |                       |                |

**Technical staff / Administration**

---

|                     |                |               |
|---------------------|----------------|---------------|
| R. Berndt           | I. Breitzkreuz | U. Großhennig |
| D. Heller-Schmerold | A. Klein       | U. Pascht     |
| K. Rohweder         | S. Smidt       |               |

**Medical Doctoral Students**

---

|                |              |             |
|----------------|--------------|-------------|
| C. Bergner     | A. Burghardt | H. Eissler  |
| A. M. Friemann | L. Gebert    | M. Gössling |
| R. Hertrich    | L. Jourdan   | F. Kümmel   |
| G. Maurer      | Y. Rauscher  | T. Sauvigny |
| P. Schellhorn  | I. Schmeh    | J. Schwarz  |
| C. Wilke       |              |             |

Cellular Neurology / Independent Junior Research Groups ■ ■

**Director of the Department of Cellular Neurology**

---

Prof. Dr. M. Jucker

**Group leaders**

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|                |               |
|----------------|---------------|
| Dr. F. Baumann | Dr. E. Kilger |
|----------------|---------------|

**Scientific staff**

---

|                     |                 |                       |
|---------------------|-----------------|-----------------------|
| Dr. J. Coomaraswamy | B. Eftekhazadeh | D. Eicke              |
| Dr. Y. Eisele       | S. Grathwohl    | Dr. T. Hamaguchi      |
| J. Hefendehl        | G. Heilbronner  | S. Käser              |
| F. Langer           | L. Maia         | A. Nagarathinam       |
| Dr. J. Odenthal     | Dr. N. Varvel   | Dr. B. Wegenast-Braun |
| H. Wölfling         |                 |                       |

**Technical staff / Administration**

---

|  |            |           |
|--|------------|-----------|
| L. Behrends                              | I. Breuer  | A. Bühler |
| S. Eberle                                | B. Graus   | C. Krüger |
| U. Obermüller                            | C. Schäfer |           |
| A. Fulgencio-Maisch (on maternity leave) |            |           |

**Scientific & Technical staff – German Center of Neurodegenerative Diseases (DZNE)**

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|              |               |               |
|--------------|---------------|---------------|
| A. Bosch     | Dr. Y. Eisele | S. Fritschi   |
| S. Grathwohl | M. Hruscha    | Dr. C. Liebig |

**Medical Doctoral Students / Master Students / Diploma Students**

---

|              |               |             |
|--------------|---------------|-------------|
| G. Bayraktar | J. Finkbeiner | N. Lauinger |
| J. Jüngling  | S. Weiss      |             |

**Independent Junior Research Group 'Neuroregeneration'**

---

Dr. Dr. S. Di Giovanni

**Scientific Staff**

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|                 |                   |                         |
|-----------------|-------------------|-------------------------|
| E. Floriddia    | K. Forsberg       | G. Jia (DZNE stipend)   |
| R. Linder       | Dr. T. Nguyen     | R. Puttagunta           |
| Dr. G. Quadrato | Dr. Khizr Rathore | Y. Joshi (DZNE stipend) |

■ ■ Independent Junior Research Groups / Hertie Institute Administration

**Technical staff / Administration**

---

A. Wuttke

**Medical Doctoral Students / Master Students**

---

C. Jacob J. Yashashree

**Leader of the Independent Junior Research Group 'Synaptic Plasticity'**

---

Dr. T. M. Rasse

**Scientific Staff**

---

|                             |          |                 |
|-----------------------------|----------|-----------------|
| S. Chandradoss              | P. Füger | J. V. Kern      |
| Dr. B. Lasky                | J. Ng    | Dr. D. Stanchev |
| V. Sreekumar (DZNE stipend) | Y. Zhang | J.-Y. Zhu       |

**Technical staff / Administration**

---

J. Blosschies R. Zinser

**Medical Doctoral Students / Master Students / Bachelor Students**

---

K. Daub S. Hannan A. Serafin  
V. Siegert

**Independent Junior Research Group 'Learning and Memory'**

---

Dr. I. Ehrlich

**Scientific Staff**

---

D. Asede Dr. D. Bosch C. Hübner

**Technical staff / Administration**

---

A. Gall

**Hertie Institute Administration**

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|                             |             |            |
|-----------------------------|-------------|------------|
| W. Pfaff (Business Manager) |             |            |
| F. Bunjes                   | B. Hoffmann | R. Sadeghi |
| L. Überall                  |             |            |

General Neurology ■

**Clinical Studies - Department of General Neurology**

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**AX200 for the treatment of ischemic stroke** A randomized, double-blind, placebo-controlled, phase II trial  
Enrolled patients: 11 Investigators: A. Melms, T. Haarmeier

**Stroke in young Fabry patients (sifap1)**  
Enrolled patients: 44 Investigators: A. Melms, A. Luft

**FREEDOMS Extension Study; CFTY720D2301: An extension of the 24-month double-blind, randomized, multicenter, placebo-controlled, parallel-group study comparing efficacy and safety of FTY720 1.25 mg and 0.5 mg administered orally once daily versus placebo in patients with relapsing-remitting multiple sclerosis**  
Enrolled patients: 7 Investigators: A. Melms

**WA 21493: A Phase II, multicenter, randomized, placebo and Avonex controlled dose finding study to evaluate the efficacy and safety of ocrelizumab in patients with relapsing-remitting multiple sclerosis.**  
Enrolled patients: 2 Investigator: A. Melms, F. Bischof

**DECIDE; Multicenter, Double-blind, Randomized, Parallel-group, Monotherapy, Active-control Study to Determine the Efficacy and Safety of DAC HYP (Daclizumab High Yield Process) versus Avonex® (IFN β-1a) in Patients with Relapsing-Remitting Multiple Sclerosis**  
Enrolled patients: 1 Investigators: A. Melms, F. Bischof

**A double blind, placebo-controlled study of the safety and efficacy of ONO-4641 in patients with relapsing-remitting multiple sclerosis**  
Enrolled patients: 3 Investigators: A. Melms, F. Bischof

**A randomized, open-label, multi-center Phase II trial of bevacizumab and radiotherapy followed by bevacizumab and irinotecan vs. temozolomide and radiotherapy followed by temozolomide monotherapy in patients with newly diagnosed glioblastoma and a non-methylated MGMT-promoter (GLARIUS)**  
Enrolled patients: 2 Investigator: C. Braun, C. Bux

**NOA-08: Temozolomide (one week on/one week off) versus radiotherapy for first-line therapy of anaplastic astrocytoma and glioblastoma in the elderly: a randomized phase III study (Methvsalem) (phase III, recruitment ongoing)**  
Enrolled patients: 44 Investigator: C. Braun (previously W. Wick)

**Primary chemotherapy with temozolomide vs. radiotherapy in patients with low grade gliomas after stratification**  
for genetic 1p loss: a phase III study (EORTC 22033/26033) (phase III, recruitment ongoing)  
Enrolled patients: 12 Investigator: C. Braun (previously F. Schmidt)

**NOA05 Phase II-Studie zur Chemotherapie und Strahlentherapie der Gliomatosis cerebri**  
Enrolled patients: 12 Investigator: C. Braun (previously U. Herrlinger)

**OSAG101 Multizentrische Phase III-Studie zur randomisierten Prüfung der Kombination aus Bestrahlung + Temodal + OSAG 101 versus Bestrahlung + Temodal**  
Enrolled patients: 16 Investigator: A. Melms (previously J. Steinbach)

## ■ ■ Neurology and Epileptology / Neurodegenerative Diseases

### Clinical Studies - Department of General Neurology and Epileptology

**BGG492: Novartis 2207, A 12-week, multi-center, randomized, double-blind, placebo-controlled efficacy and safety study examining seizure frequency of BGG\$)" capsules administered orally three times daily (TID) as adjunctive treatment in patients with partial onset seizures**

Enrolled patients: 1 Investigator: H. Lerche, Y. Weber, P. Körtvelyessy, G. Orhan

**Protocol RGB 113905, an Open-Label, Flexible-dose Study of Retigabine Immediate Release (IR) as Adjunctive Therapy to Specified Monotherapy Antiepileptic Treatments in Adults with Partial-Onset Seizures**

Enrolled patients: 4 Investigator: H. Lerche, Y. Weber, G. Orhan, P. Körtvelyessy

**A non-interventional observation study to evaluate the tolerance and the attacks with Vimpat as an add-on therapy to an existing anti-epileptic therapy in patients with focal attacks with or mutant secondary generalized attacks in the daily clinical practice in Germany**

Enrolled patients: 7 Investigator: H. Lerche, Y. Weber, S. Klammer, L. Schwendemann

### Clinical Studies - Department of Neurodegenerative Diseases

#### Parkinson's disease

**Collection and analysis of biological fluids obtained from pre- and symptomatic patients carrying pathogenic LRRK2 mutations: Establishment of a correlation between Parkinson's Disease symptoms and selected, quantifiable markers in those fluids**

Enrolled patients: 81 Investigators: K. Brockmann, A. di Santo, D. Berg, T. Gasser

**TVP Multi-Center, open-label, follow-up study designed to evaluate the long-term effects of Rasagiline in Parkinson's disease subjects who participated the ADAGIO-study (phase IV, recruitment completed)**

Enrolled patients: 8 Investigators: A. Gaenslen, D. Berg

**Relevant (Registry to Evaluate Advanced PD Treatment): a prospective, multi-center, multi-national, structured data collection initiative compiling data on the treatment of patients with Advanced Parkinson's Disease. (recruitment completed)**

Enrolled patients: 8 Investigators: T. Gasser, D. Berg, R. Krüger, K. Sruļijes, H. Huber, D. Weiss

**Trust (Transdermal Rotigotine User Surveillance Study): A naturalistic, multisite, observational study of Rotigotine Transdermal Patch and other currently prescribed therapies in patients with Idiopathic Parkinson's Disease (recruitment ongoing)**

Enrolled patients: 6 Investigators: H. Huber, K. Sruļijes, D. Berg

**SETTLE: A multi-centre, randomized, double-blind, placebo-controlled, parallel-group Phase III study to assess the efficacy of Safinamide in reducing L-dopa induced dyskinesias (recruitment ongoing)**

Enrolled patients: 2 Investigators: H. Huber, I. Wurster, J. Godau, K. Brockmann, D. Berg

## Neurodegenerative Diseases ■

**Pardoprunox: A multi-centre, randomized, double-blind, Pramipexole-controlled Phase III study to assess the efficacy of Pardoprunox in reducing L-dopa induced dyskinesias (recruitment ongoing)**

Enrolled patients: 4 Investigators: H. Huber, I. Wurster, W. Maetzler, K. Brockmann, D. Berg

**CAFQ056A2208: A multi-centre, randomized, double-blind, placebo-controlled Phase-III-study to assess the efficacy of AFQ056 in reducing L-dopa induced dyskinesias (recruitment ongoing)**

Enrolled patients: 4 Investigators: K. Sruļijes, H. Huber, I. Wurster, D. Berg

**PSP – Noscira: A Randomized, double-blind, placebo-controlled parallel-group-Study to evaluate the Safety, Tolerability and Efficacy of two different oral doses of NP031112, a GSK-Inhibitor, versus placebo in the Treatment of patients with mild to moderate progressive supranuclear palsy. (recruitment ongoing)**

Enrolled patients: 4 Investigators: K. Sruļijes, M. Maetzler, D. Berg

**MSA-RAS202 Multi-center, randomized, double-blind, Placebo-controlled study to assess the efficacy, safety, an tolerability of Rasagiline Mesylate 1 mg in patients with multiple system atrophy of the parkinsonian subtype (MSA-P) (phase IIb, recruitment ongoing)**

Enrolled patients: 1 Investigators: K. Sruļijes, I. Wurster, D. Berg

**RIVA Post marketing observational study on the effect of Rivastigmin in Parkinson's disease with dementia. Verlaufsbeobachtungsstudie Studie von Novartis (phase IVb, recruitment ongoing)**

Enrolled patients: 8 Investigators: K. Sruļijes, D. Berg, and co-workers

**Motion 27918 - A phase III, double-blind, placebo-controlled randomized trial to determine the efficacy and safety of a low (50mg/day) and high (100mg/day) dose of safinamide, as add-on-therapy, in subjects with early idiopathic Parkinson's Disease treated with a stable dose of a single dopamine agonist (recruitment ongoing)**

Enrolled patients: 3 Investigators: I. Wurster, D. Berg

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

Enrolled patients: 1 Investigators: Breit, R. Krüger, A. Gharabaghi, C. Plewnia

**Relevant (Registry to Evaluate Advanced PD Treatment): a prospective, multi-center, multi-national, structured data collection initiative compiling data on the treatment of patients with Advanced Parkinson's Disease. (recruitment ongoing)**

Enrolled patients: 8 Investigators: T. Gasser, D. Berg, R. Krüger, K. Sruļijes, H. Huber, D. Weiss

**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 (EARLYSTIM-study) (recruitment completed)**

Enrolled patients: 11 Investigators: R. Krüger, A. Gharabaghi, S. Breit, T. Wächter, D. Weiss

**Auswirkungen der Tiefen Hirnstimulation auf prozedurale Lernprozesse bei idiopathischen Parkinson Patienten – Analyse von zentralen Kohärenzmustern (recruitment completed)**

Enrolled patients: 26 Investigators: R. Krüger, T. Wächter, D. Weiss, J. Lin Lam

## ■ ■ Neurodegenerative Diseases / Cognitive Neurology

**A Randomized, Double-Blind, Double-Dummy, Efficacy, Safety and Tolerability Study of Levodopa – Carbidopa Intestinal Gel in Levodopa-Responsive Parkinson's Subjects Receiving Optimized Treatments with Parkinson Medicinal Products who Continue to Experience Persistent Motor Fluctuations (ongoing)**

Enrolled patients: 2      Investigators: R. Krüger, T. Wächter, D. Weiss, S. Breit

### Ataxia

**A phase III double-blind, randomised, placebo-controlled study of the efficacy, safety and tolerability of Idebenone in the treatment of Friedreich's ataxia patients (phase III, recruitment completed)**

Enrolled patients: 25      Investigators: L. Schöls, K. Karle, T. Lindig, J. Müller vom Hagen

**Phase IIa: Randomized, double-blind placebo controlled study of CEPO in patients with Friedreich's ataxia to evaluate safety and tolerability and to explore efficacy.**

Enrolled patients: 3      Investigators: L. Schöls, J. Müller vom Hagen

### Huntington disease

A multi-centre, randomized, double-blind placebo-controlled, parallel-group, multiple oral dose titration proof of concept study in patients with Huntington's disease to assess the efficacy, safety and tolerability of AFQ056 in reducing chorea (still recruiting)

Enrolled patients: 2      Investigators: L. Schöls, J. Müller vom Hagen

## Clinical Studies - Department of Cognitive Neurology

**Quantification of subtle movement changes in healthy subjects with increased echogenicity of the substantia nigra (phase II, recruitment completed)**

Enrolled patients: 100      Investigators: W. Ilg, I. Liepelt, C. Urban, N. Röhrich, M. A. Giese, D. Berg

**Motor learning in patients suffering from cerebellar ataxia (phase II, recruitment completed)**

Enrolled patients: 15      Investigators: W. Ilg, M. Synofzik, S. Burkhard, D. Brötz, M. A. Giese, L. Schöls

**Examination of the influence of visual feedback on real and pantomimed object use in apraxia (phase I, recruitment ongoing)**

Enrolled patients: 7      Investigators: A. Christensen, H.O. Karnath, W. Ilg, M.A. Giese

**Affective biological motion recognition in schizophrenia (phase I, recruitment ongoing)**

Enrolled patients: 20      Investigators: J. Peteman, A. Park, M.A. Giese, A. Christensen, J Mayer

**Examination of the influence of the cerebellum on the interaction between action and perception (phase I, recruitment completed)**

Enrolled patients: 18      Investigators: D. Timmann-Braun, W. Ilg, A. Christensen, M.A. Giese

## General Neurology ■

### Third-Party Funding - Department of General Neurology

#### Ongoing Grants

##### Neurorehabilitation

Project leader      H. Ackermann  
Funding institution      Kooperationsvertrag Hohenurach  
Funding period      01/07 – 12/11

##### Clinical studies

Project leader      A. Melms, and co-workers  
Funding institution      Pharmaceutical industry  
Funding period      01/2010 – 12/2010

##### XIAP-basierte experimentelle Therapie maligner Gliome (107553)

Project leader      U. Naumann  
Funding institution      Deutsche Krebshilfe  
Funding period      08/07 – 01/10

##### Erforschung der molekularen Mechanismen einer ISCADOR-Behandlung im Glioblastom

Project leader      U. Naumann  
Funding institution      Hans Sauer Foundation  
Funding period      01/09 – 12/10

##### SFB 685: „Immuntherapie: Von den molekularen Grundlagen zur klinischen Anwendung“

##### Teilprojekt B2: Proteasen im MHC Klasse II-Stoffwechsel

Project leader      H. Kalbacher, A. Melms  
Funding institution      DFG  
Funding period      07/09 – 06/13

#### New Grants

##### Perzeption ultraschneller synthetischer Sprache: Mechanismen der Neuroplastizität auditiver

##### Sprachwahrnehmung bei Blinden

Project leader      H. Ackermann  
Funding institution      DFG  
Funding period      09/10 – 08/13  
Awarded on      Jan 1, 2010

## ■ Neurology and Epileptology

Third-Party Funding – Department of Neurology and Epileptology

## Ongoing Grants

**Differentielle Rolle der neuronalen spannungsgesteuerten Na<sup>+</sup> Kanäle Nav1.1 (SCN1A) und Nav1.2 (SCN2A) -LE 1030/10-2**

Project leader H. Lerche  
 Funding institution DFG  
 Funding period 07/06 – 06/11

**Consequences of mutations associated with idiopathic epilepsies and pharmacoresistance (EU Integrated Project EPICURE)- LSHM-CT-2006-037315**

Project leader H. Lerche  
 Funding institution EU  
 Funding period 01/07 – 06/11

**Epilepsy and Migraine Integrated Network, 'Functional analysis of human ion channel mutations in cellular and animal models' (EMINet) – 01GS08123**

Project leader H. Lerche  
 Funding institution BMBF  
 Funding period 05/08 – 04/13

**Genotype-Phenotype correlations and disease mechanisms in benign familial neonatal seizures - 01GM0804 - Erare program**

Project leader H. Lerche  
 Funding institution BFNS  
 Funding periode 05/08 – 12/11

**Mechanismen von Valprot auf verschiedene Typen von Natriumkanälen**

Project leader H. Lerche  
 Funding institution Sanofi-Aventis  
 Funding period 07/08 – 12/11

## New Grants

**Rekrutierung von Patienten für genetische und pharmakogenetische Untersuchungen bei Epilepsien**

Project leader H. Lerche, Y. Weber  
 Funding institution Deutsche Gesellschaft für Epileptologie und pharmazeutische Industrie (UCB)  
 Funding period 06/10 – 12/12  
 Awarded on Jun, 2010

## ■ Neurodegenerative Diseases

Third-Party Funding - Department of Neurodegenerative Diseases

## Ongoing Grants

**Rivastigmin (Exelon®) zur Behandlung der Demenz bei Patienten mit Progressiver Supranukleärer Blickparese**

Project leader D. Berg  
 Funding institution Novartis  
 Funding period 12/06 – 12/10

**Prospective validation of risk markers for the development of Parkinson's disease (momentan 2. Follow up)**

Project leader D. Berg  
 Funding institution Michael J. Fox Foundation for Parkinson's Research  
 Funding period 12/07 – 12/11

**Prävalenz der Osteoporose bei Patienten mit Morbus Parkinson**

Project leader D. Berg  
 Funding institution Novartis  
 Funding period 12/08 – 10/10

**Progression markers in the suspected premotor phase and early Parkinson's disease**

Project leader D. Berg  
 Funding institution Janssen Pharma  
 Funding period 12/08 – 12/11

**Erstellung einer Risikokohorte für Parkinson**

Project leader D. Berg  
 Funding institution TEVA  
 Funding period 05/09 – 06/10

**MARK-MD, IAPP**

Project leader D. Berg  
 Funding institution EU  
 Funding period 03/10 – 03/12

**Feasibility for MODEP**

Project leader D. Berg  
 Funding institution Abbott  
 Funding period 12/09 – 02/11

**Padoprunox in Parkinson's disease dyskinesia (+ Extension)**

Project leader D. Berg  
 Funding institution Abbott  
 Funding period 03/09 – 12/12

## ■ Neurodegenerative Diseases

**CAFQ056A2208 in dyskinetic Parkinson's disease patients**

Project leader D. Berg  
 Funding institution Novartis  
 Funding period 05/09 – 12/10

**Settle 27919 - Safinamide in Parkinson's disease patients with motor fluctuations**

Project leader D. Berg  
 Funding institution Merck Serono  
 Funding period 06/09 – 12/10

**TVP1012/501 – Rasagilin im Langzeitverlauf**

Project leader D. Berg  
 Funding institution TEVA  
 Funding period 10/09 – 12/12

**NP031112 bei PSP**

Project leader D. Berg  
 Funding institution Noscira  
 Funding period 12/09 – 12/12

**MSA-RAS-202**

Project leader D. Berg  
 Funding institution TEVA  
 Funding period 12/09 – 12/12

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

Project leader S. Biskup  
 Funding institution DFG  
 Funding period 07/09 – 07/12

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

Project leader S. Breit, R. Krüger, A. Gharabaghi, C. Plewnia  
 Funding institution AKF – Medical Faculty, University of Tuebingen  
 Funding period 09/09 – 08/11

**Hertie-Stipendienprogramm Neurowissenschaften**

Project leader L. Burbulla  
 Funding institution Hertie Foundation  
 Funding period 12/08 – 11/11

**Parkinson's disease educational grant**

Funding institution dPV  
 Funding period 07/09 – 06/10

## Neurodegenerative Diseases ■

**Biomarker study: Five year observational study to investigate relationships among Parkinson's disease symptoms, LRRK2 mutational status, and biomarkers expressed in the blood, urine, and cerebrospinal fluid of symptomatic, asymptomatic, and control subjects**

Project leader T. Gasser  
 Funding institution Novartis  
 Funding period 06/07 – 05/11

**NGFN-Plus, Parkinson Network, Subproject: Scientific administrative office**

Project leader T. Gasser  
 Funding institution BMBF  
 Funding period 06/08 – 05/11

**NGFN-Plus, Parkinson Network, Subproject: Genomics of Parkinson's disease**

Project leader T. Gasser, D. Berg  
 Funding institution BMBF  
 Funding period 06/08 – 05/11

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

Project leader T. Gasser  
 Funding institution Helmholtz-Association  
 Funding period 07/08 – 06/12

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

Project leader T. Gasser  
 Funding institution BMBF  
 Funding period 03/09 – 02/12

**PhD Scholarship sponsored by the German Center for Neurodegenerative Diseases**

Awardee F. Hans  
 Funding institution DZNE  
 Funding period 09/09 – 08/12

**Regulation of apoptosis signal regulating kinase pathways by DJ-1 and Parkin (01GS08134-9)**

Project leader P. Kahle  
 Funding institution BMBF  
 Funding period 06/08 – 05/11

**Schaffung und bildgebende Untersuchung von Zellkultur und Tiermodellen für TDP Pathologie (01 GI 0705/TP)**

Project leader P. Kahle  
 Funding institution BMBF  
 Funding period 10/07 – 09/10

**Helmholtz alliance for mental health in an aging society (HelMA)**

Participant P. Kahle  
 Funding institution BMBF, Helmholtz-Association  
 Funding period 07/08 – 06/12

## ■ Neurodegenerative Diseases

### Pilot Grant „Identification and Validation of Novel Targets of TDP-43“

Awardee P. Kahle  
 Funding institution HIH Intramural Funding Program  
 Funding period 10/09 – 03/10

### NEURASYN Academic-Industrial Training Network on $\alpha$ -synuclein (project 6)

Project leader P. Kahle  
 Funding institution EU FP7  
 Funding period 11/09 – 10/13

### Funktionelle Charakterisierung von Mutationen im Omi/HtrA2 Gen beim Parkinson-Syndrom (KR 2119/3-1)

Project leader R. Krüger  
 Funding institution DFG  
 Funding period 09/06 – 03/10

### Mitochondrial stress response in neurodegeneration and aging – dissection of Omi/HtrA2 and DJ-1 mediated signalling pathways (01GS08134-10)

Project leader R. Krüger  
 Funding institution BMBF / DLR  
 Funding period 07/08 – 05/13

### EarlyStim – Tiefe Hirnstimulation in der Behandlung der fortgeschrittenen Parkinson-Krankheit mit erhaltener psychosozialer Funktion

Project leader R. Krüger  
 Funding institution BMBF / Medtronic  
 Funding period 07/08 – 09/11

### Parkinsonism as a prototypical geriatric disease: gaining new insight into the pathophysiology, dual tasking capacity and gerontechnological approaches for Parkinson's disease patients (Nr 32.5.1141.0019.0)

Project leader W. Maetzler  
 Funding institution Robert Bosch Foundation  
 Funding period 01/08 – 12/11

### Effektivität und Sicherheit bilateraler tiefer Hirnstimulation des centromedianen-parafaszikulären Thalamus und des Globus pallidus internus zur Behandlung des schweren therapieresistenten Gilles de la Tourette Syndroms

Project leader C. Plewnia, R. Krüger, A. Gharabaghi  
 Funding institution AKF – Medical Faculty, University of Tuebingen  
 Funding period 09/09 – 08/11

### Leukonet: Clinical, neurophysiological and neuroradiological characterization of leukodystrophies in adulthood (01GM0838)

Project leader L. Schöls  
 Funding institution BMBF  
 Funding period 10/03 – 12/11

## ■ Neurodegenerative Diseases

### EUROSPA: European and Mediterranean network on spastic paraplegias (01GM0807)

Project leader L. Schöls  
 Funding institution EU  
 Funding period 05/08 – 04/11

### RISCA: Prospective study of individuals at risk for spinocerebellar ataxia (01GM0820)

Project leader L. Schöls  
 Funding institution EU  
 Funding period 04/08 – 03/11

### mitoNET: German Network for Mitochondrial Diseases (01GM0864)

Project leader L. Schöls  
 Funding institution BMBF / DLR  
 Funding period 02/09 – 01/12

### Natural history study of Hereditary Spastic Paraplegia

Project leader L. Schöls  
 Funding institution HSP-Selbsthilfe Deutschland e.V.  
 Funding period 09/08 – 08/11

### High-throughput sequencing in the genetic diagnostics of Hereditary Spastic Paraplegia

Project leader L. Schöls  
 Funding institution HSP-Selbsthilfe Deutschland e.V.  
 Funding period 01/09 – 12/10

### Molecular Characterization of Parkin-Directed Mitophagy (fortune 1842-0-0)

Project leader W. Springer  
 Funding Institution Medical Faculty, University of Tuebingen  
 Funding period 05/09 – 04/10

### New Grants

#### Motion 27918: A phase III, double-blind, placebo-controlled randomized trial to determine the efficacy and safety of a low (50mg/day) and high (100mg/day) dose of safinamide, as add-on-therapy, in subjects with early idiopathic Parkinson's Disease treated with a stable dose of a single dopamine agonist

Project leader D. Berg  
 Funding institution Merck Serono  
 Funding period 07/10 – 07/11  
 Awarded on Jun 10, 2010

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

Project leader D. Berg  
 Funding institution Novartis  
 Funding period 12/10 – 12/14  
 Awarded on Sep 17, 2010

## ■ Neurodegenerative Diseases

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

Project leader D. Berg  
 Funding institution Merck Serono  
 Funding period 01/11 – 01/14  
 Awarded on Aug 02, 2010

### PPMI – The Parkinson's Progression Markers Initiative

Project leader D. Berg  
 Funding institution Michael J. Fox Foundation for Parkinson's Research  
 Funding period 03/10 – 03/15  
 Awarded on Mar 23, 2010

### DEMPARK - Parkinson-Krankheit und Demenz: eine longitudinale Studie (DEMPARK)

Project leader D. Berg  
 Funding institution Philipps-Universität Marburg  
 Funding period 2010 – 2012  
 Awarded on Jan, 2010

### Pool Projekt 2009-25 - Can a body-fixed sensor enhance the utility of the Timed-Up&Go Test for prediction and progression of Parkinson's Disease?

Project leader D. Berg  
 Funding institution CIN  
 Funding period 2010 – 2011  
 Awarded on Jul 23, 2010

### TRUST – Beobachtungsstudie SP0948 (Transdermal Rotigotine User Surveillance Study)

Project leader D. Berg  
 Funding institution UCB  
 Funding period 2010 – 2012  
 Awarded on Jul 14, 2010

### Transkranielle Sonographie (TCS) bei Bewegungsstörungen – Methodik und klinische Relevanz

Project leader D. Berg  
 Funding institution TEVA  
 Funding period 25.06.10  
 Awarded on Jun 23, 2010

### Feasibility for MODEP (Modeling Epidemiological Data to study PD progression)

Project leader D. Berg, W. Maetzler  
 Funding institution Solvay  
 Funding period 03/10 – 02/11  
 Awarded on Dec, 2009

## ■ Neurodegenerative Diseases

### LRRK2 an der Schnittstelle von Apoptose und Proliferation

Project leader S. Biskup  
 Funding institution Thyssen  
 Funding period 09/10 – 9/12  
 Awarded in Feb, 2010

### Development of LRRK2 BAC transgenic rats

Project leader S. Biskup, O. Riess  
 Funding institution MEFOPA  
 Funding period 04/10 – 4/13  
 Awarded in Jan, 2010

### Macrophage Precursors as biomarker für LRRK2-associated disease

Project leader T. Gasser, S. Biskup  
 Funding institution MJFF  
 Funding period 11/10 – 11/12  
 Awarded in Sep, 2010

### Mendelian Forms of Parkinson's Disease (MeFoPa), Subproject: MeFoPa-Registry and -Biobank

Project leader T. Gasser  
 Funding institution EU  
 Funding period 04/10 – 03/13  
 Awarded on Mar 2, 2010

### MEFOPA (Mendelian Forms of Parkinsonism)

Project leader P. Kahle  
 Funding institution EU  
 Funding period 04/10 – 03/13  
 Awarded on Mar 2, 2010

### Novel Target Genes of TDP-43 (grant KA1675/3-1)

Project leader P. Kahle  
 Funding institution DFG  
 Funding period 04/10 – 03/13  
 Awarded on Mar 31, 2010

### Rapid Response Innovation Award "Establishment of Immune-PCR Detection for Serine-129 Phosphorylated $\alpha$ -Synuclein as Biomarker in Human Cerebrospinal Fluid"

Project leader P. Kahle  
 Funding institution Michael J. Fox Foundation  
 Funding period 12/10 – 11/11  
 Awarded on Oct 21, 2010



## ■ Neurodegenerative Diseases

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

Project leader R. Krüger  
 Funding institution DFG  
 Funding period 08/10 – 07/13  
 Awarded on Jul, 2010

**Genetic-epidemiological confirmation of top hits of Parkinson disease: A large multi-centre collaborative**

Project leader M. Sharma, R. Krüger, T. Gasser  
 Funding institution Michael J Fox Foundation  
 Funding period 03/10 – 02/11  
 Awarded on Feb, 2010

**DZNE-Stipendienprogramm Neurowissenschaften**

Project leader P. Sood  
 Funding institution DZNE  
 Funding period 02/10 – 01/13  
 Awarded on Feb 2010

**Evaluation of Functional Electric Stimulation in Hereditary Spastic Paraplegia**

Project leader L. Schöls, R. Schüle-Freyer  
 Funding institution HSP-Selbsthilfe Deutschland e.V.  
 Funding period 07/10 – 06/12  
 Awarded on Jun 14, 2010

**Neuronale Integration von Koordination der unteren Extremitäten bei Parkinsonpatienten mit tiefer Hirnstimulation**

Project leader D. Weiss  
 Funding institution AKF – Medical Faculty, University of Tuebingen  
 Funding period 11/10 – 10/12  
 Awarded on Nov 2010

## Cognitive Neurology ■

**Clinical Studies - Department of Cognitive Neurology****Ongoing Grants****Human reaching and grasping – cognitive networks of visual action control (211078)**

Project leader M. Himmelbach  
 Funding institution ERC  
 Funding period 09/08 – 08/13

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

Project leaders M. Himmelbach, H.-O. Karnath  
 Funding institution DFG  
 Funding period 09/08 – 08/11

**Schülerlabor Neurowissenschaften (00.139.2008)**

Project leader U. Ilg  
 Funding institution Tschira Foundation  
 Funding period 01/09 – 12/11

**Verbundprojekt Räumliche Orientierung: TP 1 "Fractionating disorders of spatial orientation and attention in brain-damaged patients with spatial neglect and extinction" (01GW0641)**

Project leader H.-O. Karnath  
 Funding institution BMBF  
 Funding period 01/07 – 09/10

**European research network for investigating human sensorimotor function in health and disease (05RNP089 ERNI-HSF)**

Project leader H.-O. Karnath  
 Funding institution ESF  
 Funding period 01/07 – 12/11

**Role of structural and functional brain damage on spatial cognition – combined DT tractography and perfusion MRI studies (EXC 307-CIN)**

Project leader H.-O. Karnath  
 Funding institution DFG  
 Funding period 01/09 – 12/10

**Motor intention, movement planning, kinematics vs. dynamics, target selection, decision making**

Project leader A. Lindner  
 Funding institution DFG (CIN)  
 Funding period 07/08 – 06/10

**Analyse der zerebralen Wirkungen von Benzodiazepinen mit Hilfe von Knock-in-Mäusen: Welche Subtypen des GABAA-Rezeptors sind beteiligt? (SCHW 577/8-1)**

Project leader C. Schwarz  
 Funding institution DFG  
 Funding period 10/07 – 09/10

## ■ Cognitive Neurology

**Setup and maintenance of the Dept. Cognitive Neurology (TS 013/01.184/98)**

Project leader P. Thier  
 Funding institution Schilling Foundation  
 Funding period 07/00 – 06/10

**3 Ts magnetic resonance scanner for functional imaging (Th 812/1-1)**

Project leader P. Thier  
 Funding institution DFG  
 Funding period as of 2002

**Verbundprojekt Räumliche Orientierung: TP 3 "Towards the neuronal basis of spatial updating" (01GW0641)**

Project leader P. Thier  
 Funding institution BMBF  
 Funding period 01/07 – 09/10

**Sachkostenbeihilfe Gastwissenschaftler Halim Hicheur (3.3-FRAU/1128930 STP)**

Project leader P. Thier  
 Funding institution Humboldt Foundation  
 Funding period 05/08 – 04/10

**Schülerlabor Competence Centre Neuroscience (1.03.1/08/008)**

Project leader P. Thier  
 Funding institution Hertie Foundation  
 Funding period 07/08 – 06/11

**Sachbeihilfe Competence Centre Neuroscience (35.5.8051.0149.0/MA01)**

Project leader P. Thier  
 Funding institution Robert Bosch Foundation  
 Funding period 01/08 – 11/11

**Geschwindigkeitsillusion und deren zentralnervöse Grundlagen - Folgeprojekt (IL 34/6-1)**

Project leader U. Ilg  
 Funding institution DFG  
 Funding period 03/09 – 07/10

**Smart eyes: Attending and recognizing instances of salient events (ICT-215866-Searise)**

Project leader M. Giese  
 Funding institution EC  
 Funding period 03/08 – 02/11

**Learning of structured trajectory models with high flexibility for computer animation (GI 305/2-2)**

Project leader M. Giese  
 Funding institution DFG  
 Funding period 07/09 – 06/10

## Cognitive Neurology ■

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

Project leader H.-O. Karnath, M. Himmelbach  
 Funding institution DFG  
 Funding period 01/10 – 12/11

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

Project leader H.-O. Karnath  
 Funding institution DFG  
 Funding period 07/10 – 06/14

**Leibniz Graduate School for Primate Neurobiology (NEUROPRIM)**

Project leader A. Lindner  
 Funding institution Leibniz-Gemeinschaft  
 Funding period 07/09 – 06/11

**Mini-Graduiertenkolleg 'Was it me? The neurocognitive and philosophical basis of agency'**

Project leader S. Döring, A. Lindner, M. Synofzik  
 Funding institution DFG (CIN)  
 Funding period 12/09 – 11/11

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

Project leader C. Schwarz  
 Funding institution DFG  
 Funding period 08/09 – 07/12

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

Project leader C. Schwarz  
 Funding institution DFG  
 Funding period 01/10 – 12/12

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

Project leader P. Thier  
 Funding institution EC  
 Funding period 10/09 – 09/13

**Leibniz Graduate School for Primate Neurobiology (NEUROPRIM)**

Project leader P. Thier  
 Funding institution Leibniz-Gemeinschaft  
 Funding period 08/09 – 07/11

## ■ Cognitive Neurology

## New Grants

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

Project leader P. Thier, M. Giese  
 Funding institution BMBF  
 Funding period 05/10 – 04/15  
 Awarded on Jul 5, 2010

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

Project leader A. Lindner, M. Giese  
 Funding institution BMBF  
 Funding period 05/10 – 04/15  
 Awarded on Jul 5, 2010

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

Project leader C. Schwarz  
 Funding institution BMBF  
 Funding period 05/10 – 04/15  
 Awarded on Jul 5, 2010

**Auditive Aufmerksamkeit (KA 1258/12-1)**

Project leader H.-O. Karnath  
 Funding institution DFG  
 Funding period 07/10 – 06/13  
 Awarded on May 27, 2010

**IZKF Promotionskolleg Molekulare Medizin. Promotionsstipendium A. Friemann**

Project leader P. Thier  
 Funding institution Medical Faculty Tübingen  
 Funding period 04/10 – 03/11  
 Awarded on Mar 23, 2010

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

Project leader M. Giese  
 Funding institution EU  
 Funding period 03/10 – 02/13  
 Awarded on Feb 26, 2010

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

Project leader M. Giese  
 Funding institution EU  
 Funding period 04/10 – 03/13  
 Awarded on Apr 29, 2010

## Cellular Neurology ■

**Third-Party Funding - Department of Cellular Neurology**

## Ongoing Grants

**Generation of APP transgenic mice**

Project leader M. Jucker  
 Funding institution Koesler  
 Funding period 01/05 – 12/10

**Transgene Mausmodelle von familiärer britischer und dänischer Demenz: der Einfluss von nicht-A beta zerebraler Amyloidose und Angiopathie (JU 655/3-1)**

Project leader J. Coomaraswamy, M. Jucker  
 Funding institution DFG  
 Funding period 01/08 – 12/10

**Kompetenznetz Demenzen - Neurodegeneration, KNDD (01GI0705) – Teilprojekt: Characterisation and imaging of cerebral amyloid induction in transgenic mice**

Project leader M. Jucker  
 Funding institution BMBF / DLR  
 Funding period 10/07 – 12/10

**Kompetenznetz Demenzen – Neurodegeneration, KNDD (01GI0705) - Teilprojekt: Characterisation and imaging of cerebral amyloid induction in transgenic mice (addition)**

Project leader: M. Jucker  
 Funding institution: BMBF / DLR  
 Funding period: 09/08 – 12/10

**NGFN-Plus: Pathomechanism of Cerebral Amyloid Angiopathy**

Project leader M. Jucker  
 Funding institution BMBF / DLR  
 Funding period 06/08 – 05/11

**Transgene Mausmodelle für die familiäre britische und dänische Demenz: Rolle der Amyloidose für Neurodegeneration und Dysfunktion**

Project leader J. Coomaraswamy  
 Funding institution Carl-Zeiss Foundation  
 Funding period: 02/09 – 01/11

**Hertie-Stipendienprogramm Neurowissenschaften**

Project leader J. Hefendehl  
 Funding institution Hertie Foundation  
 Funding period 12/08 – 11/11

**ERA-Net „NEURON“ Transfer of misfolded protein as a pathogenetic mechanism in neurodegenerative disease**

Project leader M. Jucker  
 Funding institution BMBF / DLR  
 Funding period 02/09 – 01/12

## ■ Cellular Neurology

**EC-FP7 (LUPAS, Luminescent polymers for in vivo imaging of amyloid signatures)**

Project leader M. Jucker  
 Funding institution Commission of the European Community  
 Funding period 11/09 – 10/12

**Membrane anchored A $\beta$  as a prerequisite for neurotoxicity in vitro and in vivo?**

Project leader F. Baumann  
 Funding institution DFG  
 Funding period 02/10 – 01/12

**Research fellowship**

Project leader N. Varvel  
 Funding institution Alexander von Humboldt Foundation  
 Funding period 06/09 – 05/11

**Research fellowship**

Project leader T. Hamaguchi  
 Funding institution Alexander von Humboldt Foundation  
 Funding period 10/09 – 09/11

**New Grants****Generation of APP transgenic mice**

Project leader M. Jucker  
 Funding institution Koesler  
 Funding period 01/10 – 12/10  
 Awarded on Jan 4, 2010

**Kompetenznetz Demenzen – Neurodegeneration, KNDD (01GI0705) - (2nd funding period)**

Project leader: M. Jucker  
 Funding institution: BMBF / DLR  
 Funding period: 04/10 – 12/10  
 Awarded on Apr 29, 2010

**AD pathologies in the absence of microglia**

Project leader N. Varvel  
 Funding institution Alzheimer's Association USA  
 Funding period 10/10 – 09/12  
 Awarded on Oct 18, 2010

**Research fellowship**

Project leader L. Oliveira da Maia  
 Funding institution Ministério da Ciência e a Tecnologia, Lisboa  
 Funding period 12/10 – 11/12  
 Awarded on May 21, 2010

## Cellular Neurology / Independent Junior Research Groups ■ ■

**Donation for Alzheimer research**

Project leader M. Jucker  
 Funding institution Anonymous donor  
 Funding period 12/10 – 12/12  
 Awarded on Dec 10, 2010

**Third-Party Funding - Independent Junior Research Group 'Neuroregeneration'****Ongoing Grants****Hertie-Stipendienprogramm Neurowissenschaften**

Project leader H. Beck  
 Funding institution Hertie Foundation  
 Funding period 12/08 – 11/11

**The role of p53 tumor suppressor pathways in axon growth (fortune F.1311786)**

Project leader S. Di Giovanni  
 Funding institution Medical Faculty Univ. Tuebingen  
 Funding period 06/07 – 05/09

**MDM2-p53 antagonists in axonal regeneration (1R21 NS052640-01A2)**

Project leader S. Di Giovanni  
 Funding institution NIH  
 Funding period 03/07 – 02/09

**Enhancement of p53 activity (IRP-D-021/07)**

Project leader S. Di Giovanni  
 Funding institution IRP Foundation  
 Funding period 08/07 – 07/09

**The regulation of the transcription factor p53 in neurite outgrowth and neuron differentiation (DI 1497/1-1)**

Project leader S. Di Giovanni  
 Funding institution DFG  
 Funding period 05/08 – 04/11

**Cortical dopamine for the improvement of motor function after stroke (SFB 550-C12)**

Project leader S. Di Giovanni  
 Funding institution DFG  
 Funding period 01/09 – 12/09

## ■ Independent Junior Research Groups

### Carbon-Nanotube-Elektroden auf mikrosystemtechnischen Implantatkomponenten für Neuromonitoring und -stimulation

Project leader S. Di Giovanni  
 Funding institution Landesstiftung Baden-Württemberg  
 Funding period 10/10 – 12/11

### Enhancement of transcription by deacetylase inhibition as a novel therapeutic strategy for spinal cord injury

Project leader S. Di Giovanni  
 Funding institution IRG-CIN  
 Funding period 01/09 – 01/11

### The role of NFATc4 in neuronal differentiation (Fortüne F.1)

Project leader S. Di Giovanni  
 Funding institution Fortüne -UKT  
 Funding period 02/10 – 01/11

### DZNE fellowship

Project leader J. Guangshuai  
 Funding institution DZNE  
 Funding period 09/09 – 08/12

### New Grants

#### The role of p53-cGKI signalling in axonal regeneration

Project leader S. Di Giovanni  
 Funding institution DFG  
 Funding period 12/10 – 11/13  
 Awarded on December, 2010

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

Project leader S. Di Giovanni  
 Funding institution Wings for Life  
 Funding period 10/10 – 09/12  
 Awarded on July, 2010

### DZNE fellowship

Project leader Y. Joshi  
 Funding institution DZNE  
 Funding period 07/10 – 06/13  
 Awarded on April, 2010

## Independent Junior Research Groups ■

### Third-Party Funding - Independent Junior Research Group 'Synaptic Plasticity'

#### Ongoing Grants

#### APP fragments regulating synapse formation and elimination

Project leader T. Rasse  
 Funding institution Alzheimer Forschung Initiative e.V.  
 Funding period 12/07 – 04/10

#### How do soluble APP fragments influence the formation, maturation and elimination of synapses (FortüneNormalantrag 1691-0-0)

Project leader T. Rasse  
 Funding institution University of Tuebingen  
 Funding period 01/08 – 03/10

#### Systematische Untersuchung von Signalwegen, die die Stabilisierung von Synapsen regulieren

Project leader T. Rasse  
 Funding institution Landesstiftung Baden-Württemberg  
 Funding period 03/07 – 02/10

#### New Grants

#### Characterizing the role of fluglotse's FHA domain

Project leader T. Rasse  
 Funding institution Deutsche Forschungsgemeinschaft (DFG)  
 Funding period 08/10 – 07/13  
 Awarded on July, 8 2010

### Third-Party Funding - Independent Junior Research Group 'Learning and Memory'

#### Ongoing Grants

#### NARSAD Young Investigator Award 2009: Synaptic Mechanisms of Fear Memory in the amygdala: Role of plasticity in prefrontal cortical inputs and specialized inhibitory circuits

Project leader I. Ehrlich  
 Funding institution NARSAD (National Alliance for Research in Schizophrenia and Depression, USA)  
 Funding period 06/10 – 05/12

#### New Grants

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

Project leader I. Ehrlich  
 Funding institution IRG-CIN  
 Funding period 2010 – 2012  
 Awarded on May 18, 2010

## ■ General Neurology

Publications - Department of General Neurology

## Original Articles

**Ackermann H**, Riecker A (2010) The contribution(s) of the insula to speech production: a review of the clinical and functional imaging literature. *Brain Struct Funct*; 214(5-6):419-433.

Bigalke B, Stellos K, Geisler T, Kremmer E, Seizer P, May AE, Lindemann S, **Melms A**, **Luft A**, Gawaz M (2010) Expression of platelet glycoprotein VI is associated with transient ischemic attack and stroke. *Eur J Neurol*; 17(1):111-117.

Brendel B, **Hertrich I**, Erb M, Lindner A, Riecker A, Grodd W, **Ackermann H** (2010) The contribution of mesio-frontal cortex to the preparation and execution of repetitive syllable productions: an fMRI study. *Neuroimage*; 50(3):1219-1230.

Broetz D, Burkard S, **Weller M** (2010) A prospective study of mechanical physiotherapy for lumbar disk prolapse: five year follow-up and final report. *NeuroRehabilitation*; 26(2):155-158.

Brötz D, Maschke E, Burkard S, Engel C, Mänz C, Ernemann U, **Wick W**, **Weller M** (2010) Is there a role for benzodiazepines in the management of lumbar disc prolapse with acute sciatica? *Pain*; 149(3):470-475.

Dresemann G, **Weller M**, Rosenthal MA, Wedding U, Wagner W, Engel E, Heinrich B, Mayer-Steinacker R, Karup-Hansen A, Fluge O, Nowak A, Mehdorn M, Schleyer E, Krex D, Olver IN, **Steinbach JP**, Hosius C, Sieder C, Sorenson G, Parker R, Nikolova Z (2010) Imatinib in combination with hydroxyurea versus hydroxyurea alone as oral therapy in patients with progressive pretreated glioblastoma resistant to standard dose temozolomide. *J Neurooncol*; 96(3):393-402.

Gruber D, Kühn AA, Schoenecker T, Kivi A, Trottenberg T, Hoffmann KT, Gharabaghi A, Kopp UA, Schneider GH, Klein C, **Asmus F**, Kupsch A (2010) Pallidal and thalamic deep brain stimulation in myoclonus-dystonia. *Mov Disord*; 25(11):1733-1743.

**Haarmeier T**, Kammer T (2010) Effect of TMS on oculomotor behavior but not perceptual stability during smooth pursuit eye movements. *Cereb Cortex*; 20(9):2234-2243.

Hartmann C, Hentschel B, Wick W, Capper D, Felsberg J, Simon M, Westphal M, Schackert G, Meyermann R, Pietsch T, Reifenberger G, **Weller M**, Loeffler M, von Deimling A (2010) Patients with IDH1 wild type anaplastic astrocytomas exhibit worse prognosis than IDH1-mutated glioblastomas, and IDH1 mutation status accounts for the unfavorable prognostic effect of higher age: implications for classification of gliomas. *Acta Neuropathol*; 120(6):707-718.

Heese O, Schmidt M, Nickel S, Berger H, Goldbrunner R, Tonn JC, **Bähr O**, **Steinbach JP**, Simon M, Schramm J, Krex D, Schackert G, Reithmeier T, Nikkhah G, Löffler M, **Weller M**, Westphal M; German Glioma Network (2010) Complementary therapy use in patients with glioma: an observational study. *Neurology*; 75(24):2229-2235.

Heni M, Henninger C, Ludescher B, Müssig K, **Bux C**, Beck R, Kuprion J (2010) [Rare differential diagnosis of left brachial pain - Case 6/2010]. *Dtsch Med Wochenschr*; 135(30):1497.

## ■ General Neurology

**Huberle E**, Driver J, Karnath HO (2010) Retinal versus physical stimulus size as determinants of visual perception in simultanagnosia. *Neuropsychologia*; 48(6):1677-1682.

Korn A, **Huberle E**, Bornemann A (2010) [Development of a severe multiphase disseminated encephalomyelitis in Guillain-Barre syndrome--MRI findings]. *Rofo*; 182(6):525-527.

Kreifelts B, Ethofer T, **Huberle E**, Grodd W, Wildgruber D (2010) Association of trait emotional intelligence and individual fMRI-activation patterns during the perception of social signals from voice and face. *Hum Brain Mapp*; 31(7):979-991.

Maetzler W, Schmid B, Synofzik M, Schulte C, Riester K, Huber H, Brockmann K, Gasser T, Berg D, **Melms A** (2010) The CST3 BB genotype and low cystatin C cerebrospinal fluid levels are associated with dementia in Lewy body disease. *J Alzheimers Dis*; 19(3):937-942.

Maetzler W, Stoycheva V, Schmid B, Schulte C, Hauser AK, Brockmann K, **Melms A**, Gasser T, Berg D (2010) Neprilysin activity in cerebrospinal fluid is associated with dementia and amyloid- $\beta$ 42 levels in Lewy body disease. *J Alzheimers Dis*; 22(3):933-938.

**Maurer GD**, Schittenhelm J, Ernemann U, Kempf VA, Ritz R, **Weller M**, **Schmidt F** (2010) Intracranial hemangiomas in a patient with POEMS syndrome. *J Neurol*; 257(3):484-487.

**Miller J**, **Eisele G**, **Tabatabai G**, **Aulwurm S**, **von Kürthy G**, Stitz L, **Roth P**, **Weller M** (2010) Soluble CD70: a novel immunotherapeutic agent for experimental glioblastoma. *J Neurosurg*; 113(2):280-285.

Pantazis G, Psaras T, Kroppe K, **von Coelln R**, Fend F, Bock T, Schittenhelm J, **Melms A**, Meyermann R, Bornemann A (2010) Cerebral low-grade lymphoma and light chain deposition disease: exceedingly high IgG levels in the cerebrospinal fluid as a diagnostic clue. *Clin Neuropathol*; 29(6):378-83.

Riecker A, Gröschel K, **Ackermann H**, Schnaudigel S, Kassubek J, Kastrup A (2010) The role of the unaffected hemisphere in motor recovery after stroke. *Hum Brain Mapp*; 31(7):1017-1029.

**Roth P**, Junker M, **Tritschler I**, Mittelbronn M, Dombrowski Y, Breit SN, **Tabatabai G**, Wick W, **Weller M**, Wischhusen J (2010) GDF-15 contributes to proliferation and immune escape of malignant gliomas. *Clin Cancer Res*; 16(15):3851-3859.

Sellner J, Cepok S, Kalluri SR, Nestler A, Kleiter I, Kümpfel T, Linker R, **Melms A**, Menge T, Tumani H, Paul F, Hemmer B, Berthele A (2010) Aquaporin 4 antibody positive central nervous system autoimmunity and multiple sclerosis are characterized by a distinct profile of antibodies to herpes viruses. *Neurochem Int*; 57(6):662-667.

Sevenich L, Hagemann S, **Stoeckle C**, **Tolosa E**, Peters C, Reinheckel T (2010) Expression of human cathepsin L or human cathepsin V in mouse thymus mediates positive selection of T helper cells in cathepsin L knock-out mice. *Biochimie*; 92(11):1674-1680.

**Seznec J**, **Weit S**, **Naumann U** (2010) Gene expression profile in a glioma cell line resistant to cell death induced by the chimeric tumor suppressor-1 (CTS-1), a dominant-positive variant of p53--the role of NFkappaB. *Carcinogenesis*; 31(3):411-418.

## ■ General Neurology

Sidiropoulos K, **Ackermann H**, Wannke M, **Hertrich I** (2010) Temporal processing capabilities in repetition conduction aphasia. *Brain Cogn*; 73(3):194-202.

Stupp R, Hegi ME, Neyns B, Goldbrunner R, Schlegel U, Clement PM, Grabenbauer GG, Ochsenbein AF, Simon M, Dietrich PY, Pietsch T, Hicking C, Tonn JC, Diserens AC, Pica A, **Hermisson M**, Krueger S, Picard M, **Weller M** (2010) Phase I/IIa study of cilengitide and temozolomide with concomitant radiotherapy followed by cilengitide and temozolomide maintenance therapy in patients with newly diagnosed glioblastoma. *J Clin Oncol*; 28(16):2712-2718.

Synofzik M, **Asmus F**, Reimold M, Schöls L, Berg D (2010) Sustained dopaminergic response of parkinsonism and depression in POLG-associated parkinsonism. *Mov Disord*; 25(2):243-245.

Synofzik M, Schüle R, Schulte C, Krüger R, Lindig T, Schöls L, **Asmus F** (2010) Complex hyperkinetic movement disorders associated with POLG mutations. *Mov Disord*; 25(14):2472-2475.

Synofzik M, Weiss D, **Erharhagen J**, Krüger R, Schöls L (2010) Severe orthostatic dysregulation associated with Wolfram syndrome. *J Neurol*; 257(10):1751-1753.

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**Voss M**, **Bischof F** (2010) Recurrent myelitis after allogeneic stem cell transplantation. Report of two cases. *BMC Neurol*; 10:76.

**Weiler M**, Hartmann C, Wiewrodt D, Herrlinger U, Gorlia T, **Bähr O**, Meyermann R, Bamberg M, Tatagiba M, von Deimling A, **Weller M**, **Wick W** (2010) Chemoradiotherapy of newly diagnosed glioblastoma with intensified temozolomide. *Int J Radiat Oncol Biol Phys*; 77(3):670-676.

Weiss D, **Wächter T**, **Breit S**, Jacob SN, **Pomper JK**, **Asmus F**, Valls-Solé J, Plewnia C, **Gasser T**, Gharabaghi A, **Krüger R** (2010) Involuntary eyelid closure after STN-DBS: evidence for different pathophysiological entities. *J Neurol Neurosurg Psychiatry*; 81(9):1002-1007.

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## Reviews

**Asmus F**, Gasser T (2010) Dystonia-plus syndromes. *Eur J Neurol*; 17 Suppl 1:37-45.

**Stoeckle C**, **Tolosa E** (2010) Antigen processing and presentation in multiple sclerosis. *Results Probl Cell Differ*; 51:149-172.

## General Neurology / Neurology and Epileptology ■■

## Books, book chapters, and proceedings

Skeie GO, Apostolski S, Evoli A, Gilhus NE, Illa I, Harms L, Hilton-Jones D, **Melms A**, Verschuuren J, Horge HW (2010) European Federation of Neurological Societies. Guidelines for treatment of autoimmune neuromuscular transmission disorders. *Eur J Neurol*; 17(7):893-902.

## Publications – Department of Neurology and Epileptology

## Original Articles

Brodie M, **Lerche H**, Gil-Nagel A, Elger C, Hall S, Shin P, Nohria V, Mansbach H (2010) Efficacy and safety of adjunctive retigabine in refractory partial epilepsy. *Neurology*; 75:1817-1824.

de Kovel CG, Trucks H, Helbig I, Mefford HC, Baker C, Leu C, Kluck C, Muhle H, von Spiczak S, Ostertag P, Obermeier T, Kleefuß-Lie AA, Hallmann K, Steffens M, Gaus V, Klein KM, Hamer HM, Rosenow F, Brilstra EH, Kasteleijn-Nolst Trenité D, Swinkels ME, **Weber YG**, Unterberger I, Zimprich F, Urak L, Feucht M, Fuchs K, Möller RS, Hjalgrim H, De Jonghe P, Suls A, Rückert IM, Wichmann HE, Franke A, Schreiber S, Nürnberg P, Elger CE, **Lerche H**, Stephani U, Koeleman BP, Lindhout D, Eichler EE, Sander T (2010) Recurrent microdeletions at 15q11.2 and 16p13.11 predispose to idiopathic generalized epilepsies. *Brain*; 133:23-32.

**Liao Y**, Anttonen AK, Liukkonen E, Gaily E, **Maljevic S**, Schubert S, Bellan-Koch A, Petrou S, Ahonen VE, **Lerche H**, Lehesjoki AE (2010) SCN2A mutation associated with neonatal epilepsy, late-onset episodic ataxia, myoclonus and pain. *Neurology*; 75:1454-1458.

**Liao Y**, Deprez L, **Maljevic S**, Pitsch J, Claes L, Hristova D, Jordanova A, Ala-Mello S, Bellan-Koch A, Blazevic D, Schubert S, Thomas EA, Petrou S, Becker AJ, De Jonghe P, **Lerche H** (2010) Molecular correlates of age-dependent seizures in an inherited neonatal-infantile epilepsy. *Brain*; 133:1403-1414.

Muhle H, Steinich I, von Spiczak S, Franke A, **Weber Y**, **Lerche H**, Wittig M, Heidemann S, Suls A, De Jonghe P, Marini C, Guerrini R, Scheffer IE, Berkovic SF, Stephani U, Siebert R, Sander T, Helbig I, Tönnies H (2010) A duplication in 1q21.3 in a family with early-onset and childhood absence epilepsy. *Epilepsia*; 51:2453-2456.

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## ■ ■ Neurology and Epileptology / Neurodegenerative Diseases

### Reviews

**Becker F, Weber YG, Lerche H** (2010) Genetik fokaler Epilepsien. *Epileptologie*; 27:10-18.

Jurkat-Rott K, **Lerche H, Weber Y, Lehmann-Horn F** (2010) Hereditary channelopathies in neurology. *Adv Exp Med Biol*; 686:305-334.

**Lerche H, Weber YG** (2010) Praktische Epilepsitherapie. *Neurotransmitter*; 21(3.2010):52-62.

**Maljevic S, Wuttke TV, Seebohm G, Lerche H** (2010) K(V)7 channelopathies. *Pflugers Arch*; 460:277-288.

Ottman R, Hirose S, Jain S, **Lerche H, Lopes-Cendes I, Noebels JL, Serratosa J, Zara F, Scheffer IE** (2010) Genetic testing in the epilepsies - Report of the ILAE Genetics Commission. *Epilepsia*; 51:655-670.

**Weber YG, Lerche H** (2010) Genetische Befunde bei Epilepsien und ihre Konsequenzen für die Behandlung. *Nervenheilkunde*; 29:275-281.

### Books, book chapters, and proceedings

**Lerche H, Petrou S** (2010) Genetic animal models (chapter 39). In: Atlas of epilepsies. Editor: Panayiotopoulos C; 295-306.

## Publications - Department of Neurodegenerative Diseases

### Original Articles

Bauer P, Stevanin G, Beetz C, Synofzik M, Schmitz-Hübsch T, Wüllner U, Berthier E, Ollagnon-Roman E, Riess O, Forlani S, Mundwiler E, Durr A, **Schöls L, Brice A** (2010) Spinocerebellar ataxia type 11 (SCA11) is an uncommon cause of dominant ataxia among French and German kindreds. *J. Neurol. Neurosurg. Psychiatr* 81(11):1229-1232.

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## ■ ■ Neurodegenerative Diseases / Cognitive Neurology

**Synofzik M, Schlaepfer TE** (2010) Neuromodulation – ECT, rTMS, DBS. Ethics in Psychiatry. European Contributions. Helmchen H, Sartorius N (eds) Springer:299-320.

**Synofzik M, Voss M** (2010) Disturbances of the Sense of Agency in Schizophrenia. Neuropsychology of the Sense of Agency. Michela Balconi (eds) Springer:145-155.

### Publications - Department of Cognitive Neurology

#### Original Articles

Baier B, de **Haan B**, Müller N, Thömke F, Birklein F, Dieterich M, **Karnath H-O** (2010) Anatomical correlate of positive spontaneous visual phenomena – a voxelwise lesion study. *Neurology* 74:218-222.

Baier B, **Karnath H-O**, Dieterich M, Birklein F, Heinze C, Müller NG (2010) Keeping memory clear and stable – the contribution of human basal ganglia and prefrontal cortex to working memory. *J. Neurosci.* 30:9788-9792.

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**Becker E, Karnath H-O** (2010) Neuroimaging of eye position reveals spatial neglect. *Brain* 133:909-914.

Brendel B, Hertrich I, Erb M, **Lindner A**, Riecker A, Grodd W, **Ackermann H** (2010) The contribution of mesio-frontal cortex to the preparation and execution of repetitive syllable productions: an fMRI study. *Neuroimage* 50(3):1219-1230.

**Butovas S**, Rudolph U, Jurd R, **Schwarz C**, Antkowiak B (2010) Activity patterns in the prefrontal cortex and hippocampus during and after awakening from etomidate anesthesia. *Anesthesiology* 113:48-57.

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**Dash S, Catz N, Dicke PW, Thier P** (2010) Specific vermal complex spike responses build up during the course of smooth-pursuit adaptation, paralleling the decrease of performance error. *Exp. Brain Res.* 205:41-55.

**De Haan B**, Rorden C (2010) Similarity grouping and repetition blindness are both influenced by attention. *Frontiers in Human Neuroscience* 4:20.

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## Cognitive Neurology ■

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Frank B, Maschke M, Groetschel H, **Berner M**, Schoch B, Hein-Kropp C, Gizewski ER, Ziegler W, **Karnath H-O**, Timmann D (2010) Aphasia and neglect are uncommon in cerebellar disease: negative findings in a prospective study in acute cerebellar stroke. *Cerebellum* 9:556-566.

**Gerdjikov TV, Bergner CG, Stüttgen MC, Waiblinger C, Schwarz C** (2010) Discrimination of vibrotactile stimuli in the rat whisker system – behavior and neurometrics. *Neuron* 65:530-540.

**Haarmeier T** (2010) Sakkadische Augenbewegungen in der neurologischen Diagnostik. *Das Neurophysiologie-Labor* 32:146-152.

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## ■ Cognitive Neurology

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Schwarz U, Baumann K, **Ilg UJ** (2010) Influence of global motion onset on goal-directed eye movements. *NeuroReport* 21:479-484.

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**Synofzik M, Thier P**, Leube DT, Schlotterbeck P, **Lindner A** (2010) Misattributions of agency in schizophrenia are based on imprecise predictions about the sensory consequences of one's actions. *Brain* 133:262-271.

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### Books, book chapters, and proceedings

**Ilg UJ**, Churan J (2010) Second-order motion stimuli: a new handle to visual motion processing. In: Masson GS, **Ilg UJ** (eds). *Dynamics of Visual Motion Processing: Neuronal, Behavioral and Computational Approaches*. Springer, Berlin-Heidelberg, 117-140.

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**Mukovskiy A**, Slotine JJE, **Giese MA** (2010) Analysis of the global dynamical stability of crowd navigation applying Contraction Theory. Extended abstract. In: *Electronic Proceedings of Workshop on Crowd Simulation, 23rd Int. Conference on Computer Animation and Social Agents (CASA 2010)*, May 31-June 2, 2010, Saint-Malo, France, 1-4.

## Cognitive Neurology / Cellular Neurology / Independent Junior Research Groups ■■■

**Mukovskiy A**, Slotine JJE, **Giese MA** (2010) Contraction theory as method for the analysis and design of the stability of collective behavior in crowds. In: *Electronic Proc. IADIS Int. Conference on Computer Graphics, Visualization, Computer Vision and Image Processing (CGVCVIP 2010)*, 27-29 July, 2010, Freiburg, Germany, 47-56.

**Mukovskiy A**, Slotine JJE, **Giese MA** (2010) Design of the dynamic stability properties of the collective behavior of articulated bipeds. In: *Proceedings of 10th IEEE-RAS Int. Conf. on Humanoid Robots (Humanoids 2010)*, December 6-8, 2010, Nashville, TN, USA, 1-8.

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### Publications - Department of Cellular Neurology

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#### Original Articles

**Coomaraswamy J, Kilger E, Wölfling H, Schäfer S, Kaeser SA, Wegenast-Braun BM, Hefendehl JK**, Wolburg H, Mazzella M, Ghiso J, Goedert M, Akiyama H, Garcia-Sierra F, Wolfer DP, Mathews PM, **Jucker M** (2010) Modeling Familial Danish Dementia in mice supports the concept of the amyloid hypothesis of Alzheimer's disease. *Proc Natl Acad Sci USA* 107:7969-7974.

**Eisele YS, Obermüller U, Heilbronner G, Baumann F, Kaeser SA**, Wolburg H, Walker LC, Staufienbiel M, Heikenwalder M, **Jucker M** (2010) Peripherally Applied A $\beta$ -Containing Inoculates Induce Cerebral  $\beta$ -Amyloidosis. *Science* 330:980-982.

Hamodeh S, **Eicke D**, Napper RM, Harvey RJ, Sultan F (2010) Population based quantification of dendrites: evidence for the lack of microtubule-associate protein 2a,b in Purkinje cell spiny dendrites. *Neuroscience* 170:1004-1014.

#### Reviews

**Jucker M** (2010) The benefits and limitations of animal models for translational research in neurodegenerative diseases. *Nat Med* 16:1210-1244.

### Publications - Independent Junior Research Group 'Neuroregeneration'

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#### Original Articles

**Gaub P, Tedeschi A, Nguyen T, Schmandke A, Puttagunta R, Di Giovanni S** (2010) HDAC inhibition promotes neuronal outgrowth and counteracts growth cone collapse via CBP/p300 and P/CAF-dependent p53 acetylation. *Cell Death Differ*; 17(9):1392-1408.

## ■ Independent Junior Research Groups

Lasseck J, Grieshaber P, Goebel U, Martin G, Thanos S, Di Giovanni S, Lagreze WA (2010) Valproic acid-mediated neuroprotection and regeneration in injured retinal ganglion cells correlates with CREB induction and pERK1/2 activation. *Invest Ophthalmol VisSci*; 51(1):526-534.

### Publications - Independent Junior Research Group 'Synaptic Plasticity'

#### Original Articles

Fiesel FC, Voigt A, Weber SS, Van den Haute C, Waldenmaier A, Görner K, Walter M, Anderson ML, Kern JV, Rasse TM, Schmidt T, Springer W, Kirchner R, Bonin M, Neumann M, Baekelandt V, Alunni-Fabbroni M, Schulz JB, Kahle PJ (2010) Knockdown of transactive response DNA-binding protein (TDP-43) downregulates histone deacetylase 6 *EMBO J*; 29(1):209-221.

Zhang Y, Föger P, Hannan SB, Kern JV, Lasky B, Rasse TM (2010) In vivo Imaging of Intact Drosophila Larvae at Sub-cellular Resolution. *J Vis Exp*; (43).

### Publications - Independent Junior Research Group 'Learning and Memory'

#### Original Articles

Ciocchi S, Herry C, Grenier F, Wolff SB, Letzkus JJ, Vlachos I, Ehrlich I, Sprengel R, Deisseroth K, Stadler MB, Müller C, Lüthi A (2010) Encoding of conditioned fear in central amygdala inhibitory circuits. *Nature* 568:277-282.

Pichon X, Wattiez AS, Becamel C, Ehrlich I, Bockaert J, Eschalier A, Marin P, Courteix C (2010) Disrupting 5-HT(2A) receptor/PDZ protein interactions reduces hyperalgesia and enhances SSRI efficacy in neuropathic pain. *Mol Ther* 18:1462-1470.

#### Reviews

Herry C, Ferraguti F, Singewald N, Letzkus J, Ehrlich I, Lüthi A (2010) Neural circuits of fear extinction. *E J Neurosci* 62:757-771.

### Publications - Independent Junior Research Group

#### Original Articles

Lasseck J, Grieshaber P, Goebel U, Martin G, Thanos S, Di Giovanni S, Lagreze WA. Valproic acid-mediated neuroprotection and regeneration in injured retinal ganglion cells correlates with CREB induction and pERK1/2 activation. *Invest Ophthalmol Vis Sci*. 2010 Jan;51(1):526-34.

## General Neurology / Neurodegenerative Diseases ■■

### Medical Theses – Department of General Neurology

#### A. Ryzhkova

Glatiramer acetate induces in vivo expansion of a population of immunosuppressive CD4+ T cells expressing B and T lymphocyte attenuator.

(Medical Faculty)

Supervisor: F. Bischof

### Awards - Department of Neurodegenerative Diseases

#### L. Burbulla

Travel grant of the Movement Disorders Society to participate at the 14th International Congress of Parkinson's Disease And Movement Disorders, 2010 in Buenos Aires, Argentina

#### T. Gasser

Dingebauer Award of the German Society of Neurology

#### J. Schicks

Travel grant of the Movement Disorders Society to participate at the 14th International Congress of Parkinson's Disease And Movement Disorders, 2010 in Buenos Aires, Argentina

#### M. Synofzik

Travel grant of the Movement Disorders Society to participate at the 14th International Congress of Parkinson's Disease And Movement Disorders, 2010 in Buenos Aires, Argentina

#### D. Weiss

Travel grant of the Movement Disorders Society to participate at the 14th International Congress of Parkinson's Disease And Movement Disorders, 2010 in Buenos Aires, Argentina

### PhD Theses

#### F. Fiesel

Physiological Function and Pathogenic Impact of the Amyotrophic Lateral Sclerosis and Frontotemporal Dementia-Associated Protein TDP-43

(Faculty of Biology)

Supervisor: P. Kahle

#### K. Holmström

The Influence of the PD-associated Gene Products PINK1 and HtrA2/Omi on Mitochondrial Integrity

(Graduate School for Cellular and Molecular Neurosciences)

Supervisor: P. Kahle

## ■ Neurodegenerative Diseases

### Medical Theses

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#### T. Brüssel

Phänotyp monogenetischer Parkinsonsymptome  
Supervisor: D. Berg

#### I. Swid

Wann beginnt die Parkinsonkrankheit?  
Supervisor: D. Berg

#### U. Schröder

Prämotorische Marker für den Morbus Parkinson  
Supervisor: D. Berg

#### A. Wendt

Neuropsychologisches Leistungsprofil bei gesunden Personen mit und ohne Substantia nigra Hyperechogenität  
Supervisor: D. Berg

#### T. Kukiolka

Title: Verwendungsmöglichkeiten von Blutzellen in der Parkinson-Forschung  
Supervisor: T. Gasser

#### D. Madzar

Title: Genetisches Screening nach LRRK2-Mutationen bei MSA- und PSP-Patienten  
Supervisor: T. Gasser

### Master Theses

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#### A. Dhingra

Title: Generation and Characterization of Patient Specific iPSC Cells (Parkinson's Disease)  
Supervisor: T. Gasser

### Diploma

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#### E. Cornejo Castro

Das Parkinson-assoziierte DJ-1 reguliert die angeborene Immunität in *Caenorhabditis elegans*.  
(Faculty of Biology)  
Supervisor: P. Kahle

### Habilitation Theses

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#### W. Maetzler

In-vivo-Darstellung und pathophysiologische Aspekte von Proteinaggregation bei Lewykörper-Erkrankungen  
Supervisor: T. Gasser

## Cognitive Neurology ■

### Awards - Department of Cognitive Neurology

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#### V. Caggiano

Attempto Award for Advances in Neuroscience 2010, University of Tübingen

### PhD Theses

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#### H. Becker

Functional organization of human middle temporal cortex  
Supervisor: T. Haarmeier

#### V. Caggiano

Quantitative assessment of the visual tuning properties of mirror neurons in the monkey cortical premotor area F5  
Supervisor: P. Thier

#### L. Omlor

Learning of synergies for modeling of emotional body expressions  
Supervisor: M. Giese

#### A.-N. Park

Real-time capable figure animation based on learning of synergies from motion capture data  
Supervisor: M. Giese

#### M. Prsa

Adaptive control of eye movement accuracy by the cerebellum: the site of plasticity and functional mechanisms  
Supervisor: P. Thier

#### B. Ritzinger

Virtual lesion approach with TMS to induce spatial awareness deficits  
Supervisor: H.-O. Karnath

#### I. Trigo-Damas

Speed illusions of human subjects and rhesus monkeys  
Supervisor: U. Ilg

#### K. Tziridis

Interaktionen in cerebro-pontinen Modulen als Grundlage zielgerichteten Agierens im Raum  
Supervisors: P. Thier, P. Dicke

### Masters

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#### R. Böhme

Glutamatergic and GABAergic neurons in the deep cerebellar nuclei differ in electrophysiological properties and synaptic input  
Supervisor: C. Pedroarena

### ■ ■ Cognitive Neurology / Cellular Neurology

#### A. Maia Chagas

Information theoretic analysis of spike train from rat trigeminal ganglion  
Supervisor: C. Schwarz

#### M. Knupfer

Einfluss des Computerspielens auf die Blickbewegungen von Jugendlichen  
Supervisor: U. Ilg

#### C. Puzicha

Adaptive ICMS in the rat barrel cortex demands on the electrodes  
Supervisor: C. Schwarz

#### C. Schneider

The agony of choice – investigating the mechanisms and fMRI correlates of human decision making under varying choice difficulty  
Supervisors: A. Lindner, U. Ilg

#### S. Telgen

The effect of visual position error on saccadic and smooth pursuit eye movements  
Supervisor: P. Thier

### Awards - Department of Cellular Neurology

#### S. Grathwohl

Hertie Research Prize 2010

#### M. Jucker

2010 Soriano Lectureship Award of the American Neurological Association

### PhD Theses

#### Y. Eisele

Cerebral  $\beta$ -Amyloidosis: Regulation of A $\beta$  Levels and Initiation and Propagation of A $\beta$  Aggregation  
Supervisor: M. Jucker

### Diploma

#### N. Lauinger

A $\beta$ -mediated Seeding of Protein Aggregation in vivo and in vitro  
Supervisor: M. Jucker

### Independent Junior Research Groups ■

### Awards - Independent Junior Research Group 'Neuroregeneration'

#### G. Quadrato

The role of NFATc4 in adult hippocampal neurogenesis.  
University of Tuebingen/ Fortüne Program Research prize for the best poster of the year.

### Master Theses - Independent Junior Research Group 'Neuroregeneration'

#### C. Jacob

The role of NFATc4 in adult hippocampal neurogenesis.  
Graduate School for Cellular and Molecular Neuroscience, Tuebingen.

#### Y. Joshi

The role of histone acetyltransferases in optic nerve maturation and following optic nerve injury.  
Graduate School for Cellular and Molecular Neuroscience, Tuebingen.

### Bachelor Theses - Independent Junior Research Group 'Synaptic Plasticity'

#### K. Daub

Die neuromukuläre Verbindung von Drosophila melanogaster als Modell für neurodegenerative Erkrankungen.

#### A. Serafin

Construction of a novel transgenic platform for tissue specific gene expression in Drosophila melanogaster.

### Bachelor Theses - Independent Junior Research Group 'Learning and Memory'

#### S. Karl

Synaptic interactions of intercalated cell clusters in the mouse amygdala.



## ■ ■ General Neurology and Epileptology / Neurodegenerative Diseases

### Conferences – Department of Neurology and Epileptology

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#### EEG Seminar

Tübingen, July 14 and 21, 2010  
Y. Weber

#### Eröffnungs-Symposium Epileptologie

Tübingen, July 16 – 17, 2010  
H. Lerche, Y. Weber

#### Deutsche Gesellschaft für Epilepsie (DGfE) Fortbildungsseminar

Wiesbaden, April 29 – May 01, 2010  
H. Lerche, Y. Weber

#### DGN 1. Fortbildungsseminar „Kanalkrankheiten für Kliniker“

Mannheim, September 21 – 25, 2010  
H. Lerche

#### DGN Workshop, Klinisch Variabilität, Diagnostik, Pathophysiologie und Therapie von Glukose Transporter Typ 1 (Glut1) Defekten

Mannheim, September 21 – 25, 2010  
H. Lerche, Y. Weber

### Conferences - Department of Neurodegenerative Diseases

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#### International Workshop «Transcranial Sonography (TCS) in Parkinson's Disease and other Movement Disorders»

Tübingen, May 17-18, 2010  
D. Berg

#### Workshop: Transkranielle Sonographie (TCS) bei Bewegungsstörungen - Methodik und klinische Relevanz

Tübingen, June 25, 2010  
D. Berg

#### Functional Genomics of Parkinson's Disease, National Genome Research Network on Parkinson's disease in conjunction with

16th Annual Meeting of the German Society of Neurogenetics  
Tübingen, November 18-20, 2010  
T.Gasser, R. Krüger, D. Berg, P. Kahle

#### 7. Tübinger Infotag Parkinson-Therapie – Behandlungsmöglichkeiten bei fortgeschrittener Parkinson-Krankheit

Tübingen, September 07, 2010  
R. Krüger, T. Wächter

## Neurodegenerative Diseases / Cognitive Neurology / Independent Junior Research Groups ■ ■ ■

#### 8. Tübinger Therapiefortbildung Neurologie - Jährliche Fortbildungsveranstaltung des Zentrums für Neurologie, Universitätsklinikum Tübingen

Tübingen, April 24, 2010

Dr. F. Asmus, F.Bischof, C.Bux, U. Ernemann, T. Gasser, T. Haarmeier, R. Handschu, R. Krüger, H. Lerche, W. Mätzler, A. Melms, J. Pomper, Y. Weber, L. Schöls, M. Synofzik, D. Weiss

#### Gründungsveranstaltung des Behandlungs- und Forschungszentrums für Seltene Erkrankungen Tübingen

Tübingen, January 22, 2010  
L. Schöls

### Conferences - Department of Cognitive Neurology

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#### Neural encoding of perception and action

Tübingen, February 21-22, 2010  
M. Giese, D. Sheinberg

#### 3rd Annual Conference 'PrimateNeurobiology'

Tübingen, March 22-24, 2010  
P. Thier

### Conferences - Independent Junior Research Group 'Neuroregeneration'

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#### Society for Neuroscience

San Diego, USA, Nov 9 - 13, 2010  
S. Di Giovanni

### Conferences – Independent Junior Research Group 'Learning and Memory'

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#### CIN Retreat Cellular Neurophysiology

Reutlingen, April 13, 2010  
I. Ehrlich, C. Schwarz

## Lectures

### Lectures - Summer Term 2010

#### Principles of Neurology

Medical School

Prof. T. Gasser, Prof. H. Lerche, Prof. A. Melms

#### Introduction to Clinical Neurology

Medical School

Prof. D. Berg, Prof. Dr. T. Haarmeier

#### Behaviour and Cognition: Neuropsychology

Graduate School of Neural and Behavioural Sciences

Prof. H.-O. Karnath

#### Fundamentals of Sensorimotor Integration

Faculty of Biology and Graduate School for Neural and Behavioural Sciences

Prof. U. Ilg

#### Motor Systems

Graduate School of Neural and Behavioural Sciences

Prof. P. Thier

#### Neurodegenerative Disorders

Contribution to interdisciplinary lecture series: "Medicine of aging"

Medical School

Prof. T. Gasser

#### Drosophila Genetics and Neurobiology

Graduate School of Cellular & Molecular Neuroscience, University of Tübingen

Contribution to lecture series "Model Organisms in Neurobiology"

Dr. T. Rasse

#### Microscopy-Cell Imaging Techniques

Graduate School of Cellular & Molecular Neuroscience, University of Tübingen

Dr. T. Rasse

#### Drosophila as Model Organism for Cell-Biology and Biochemistry

Interfakultäres Institut für Biochemie, University of Tübingen

Contribution to lecture series "Cell Biochemistry in Model Organisms"

Dr. T. Rasse

#### Molecular and Cellular Basis of Learning and Memory

Graduate School of Cellular and Molecular Neuroscience and

Graduate School of Neural and Behavioural Sciences, Uni Tuebingen

Dr. I. Ehrlich

## Lectures

### Lectures - Winter Term 2010/2011

#### Principles of Neurology

Medical School

Prof. T. Gasser, Prof. H. Lerche, Prof. A. Melms

#### Neurodegenerative Disorders

Contribution to interdisciplinary lecture series: "Medicine of aging"

Medical School

Prof. T. Gasser

#### Introduction to Clinical Neurology

Medical School

Prof. D. Berg, Prof. T. Haarmeier

#### Genetic and Molecular Basis of Neural Disease

Graduate School of Cellular and Molecular Neurosciences

Prof. M. Jucker, Dr. F. Baumann, Prof. T. Gasser, Prof. L. Schöls, Prof. H. Lerche, Dr. S. Maljevic

#### Neurochemistry and Neurotransmitters

Graduate School of Cellular and Molecular Neuroscience

Prof. P. Kahle

#### Biochemie IV (Block "Hormone und Signaltransduktion" 5x2 Doppelstunden)

Interfakultäres Institut für Biochemie

Prof. P. Kahle

#### Neurophysiology

Graduate School of Neural and Behavioural Sciences and

Graduate School of Cellular and Molecular Neuroscience

Prof. Dr. C. Schwarz, Dr. C. Pedroarena

#### Neurohistology and Quantitative Neuromorphology

Graduate School of Cellular and Molecular Neuroscience

Prof. M. Jucker, Prof. H. Wolburg

#### Methods in Neuropsychology

Graduate School of Neural and Behavioural Sciences

Dr. M. Himmelbach

#### Advanced topics in machine learning

Faculty for Informatics and Graduate School for Neural and Behavioural Sciences

Prof. M. Giese, Dr. D. Endres, Prof. C. Curio

#### Nerve Regeneration and Repair

Graduate School of Cellular and Molecular Neuroscience

Dr. S. Di Giovanni

## ■ Seminars and Courses

### Seminars and Courses - Summer Term 2010

#### Neurological Examination

Medical School

Prof. T. Gasser, Prof. H. Lerche, Prof. T. Haarmeier, Prof. A. Melms,  
and staff of the Departments of General Neurology and Neurodegenerative Diseases

#### Neurology Seminar and Bedside Teaching

Medical School

Prof. D. Berg, PD Dr. F. Bischof, Prof. T. Haarmeier, Prof. R. Krüger, Prof. L. Schöls, PD Dr. Y. Weber,  
and staff of the Departments of General Neurology and Neurodegenerative Diseases

#### TüKliS "Intracranial Pressure"

Medical School

Prof. A. Melms, Dr. J. Erharhaghen, Prof. M. Meyermann, Prof. T. Nägele, PD Dr. B. Will

#### Contributions to i-KliC „ Infectious Diseases, Clinical Oncology and Emergency Medicine “

Medical School

Prof. A. Melms

#### Lunch Conference: Critical Care Neurology

Medical School

Dr. J. Erharhaghen, Prof. Dr. T. Haarmeier

#### TüKliS „Treatment of Neurological Disorders “

Medical School

Dr. F. Asmus, Prof. D. Berg, PD Dr. Bischof, Prof. T. Haarmeier, Prof. R. Krüger, Prof. A. Melms, Prof. L.  
Schöls, PD Dr. Y. Weber

#### TüKliS "Bedside Teaching"

Medical School

Prof. A. Melms

#### TüKliS "Dr House – neurological cases"

Medical School

Dr. F. Asmus

#### TüKliS "Advanced neurological examination"

Medical School

Prof. L. Schöls, Prof. D. Berg, Prof. T. Gasser

#### TüKliF „Neurogenetic Research“

Medical School

Prof. L. Schöls, Dr. T. Schmidt, Dr. P. Bauer

## ■ Seminars and Courses

#### Current Trends in Neuro-oncology

Medical School

PD Dr. U. Naumann

#### Neuroscience Lecture Series

Medical School

Prof. T. Gasser, Prof. T. Haarmeier, Prof. H. Lerche, Prof. A. Melms, Prof. P. Thier

#### Clinical Neuropathology QB5 (in cooperation with the Department of Neuropathology)

Medical School

Prof. A. Melms, Prof. R. Meyermann, PD Dr. Will

#### Research Seminar Functional Neurogenomics

Medical School

Prof. Dr. R. Krüger

#### Deep Brain Stimulation in neurological movement disorders

Medical School

Prof. Dr. R. Krüger, Dr. T. Wächter, Dr. F. Asmus, Dr. D. Weiss

#### Journal Club

Graduate School

Prof. Dr. R. Krüger

#### Neurobiologisches Montagskolloquium

Medical School

Prof. U. Ilg, Prof. P. Thier

#### Current Problems of Sensorimotor Integration

Medical School

Prof. U. Ilg, Prof. C. Schwarz, Prof. P. Thier

#### Current Problems in Neuropsychology

Medical School

Prof. H.-O. Karnath

#### Neurobiology of the Cerebellum

Medical School

Dr. P. Dicke, Prof. C. Schwarz, Prof. P. Thier

#### Clinical Neuropsychology

Medical School

Prof. H.-O. Karnath

#### PERACT Colloquium

Medical School

Prof. H.-O. Karnath

## ■ Seminars and Courses

### Neurokolloquium Tübingen

Hertie Institute for Clinical Brain Research, MPI for Biological Cybernetics, Graduate School of Neural and Behavioural Sciences, Centre for Integrative Neuroscience  
Prof. P. Thier

### Tierphysiologischer Kurs Bioinformatik

Faculty of Biology  
Prof. U. Ilg

### Neurophysiology Lab Practical

Graduate School of Neural and Behavioural Sciences  
Prof. C. Schwarz, Dr. C. Pedroarena

### Pharmacotherapy of Parkinson's Disease

Contribution to interdisciplinary lecture series: "Pharmacology"  
Prof. L. Schöls

### Cell Biochemistry in Model Organisms

1 week practical laboratory course as contribution to interdisciplinary laboratory course  
Dr. T. Rasse

### Microscopy-Cell Imaging Techniques

Practical Course as part of the lecture series Microscopy-Cell Imaging Techniques  
Graduate School of Cellular & Molecular Neuroscience, University of Tübingen  
Dr. T. Rasse

### Summer Academy Learning

Interdisciplinary Seminar and Lecture Course (4 days)  
Forum Scientiarium, University of Tuebingen in cooperation with Centre for Integrative Neuroscience  
Dr. I. Ehrlich

### Networks Symposium and Seminar

Tutor at graduate student seminar (3 days)  
Graduate School of Cellular and Molecular Neuroscience and Neural and Behavioural Sciences, Tuebingen  
in cooperation with GRK 1123 "Learning and Memory", Berlin and Graduate School of Systemic Neurosciences, LMU Munich  
Dr. I. Ehrlich

## Seminars and Courses - Winter Term 2010/2011

### Neurological Examination

Medical School  
Prof. T. Gasser, Prof. H. Lerche, Prof. T. Haarmeier, Prof. A. Melms,  
and staff of the Departments of General Neurology, Neurodegenerative Diseases and Epileptology

## ■ Seminars and Courses

### Neurology Seminar and Bedside Teaching

Medical School  
Prof. D. Berg, PD Dr. F. Bischof, Prof. T. Haarmeier, Prof. R. Krüger, Prof. L. Schöls, PD Dr. Y. Weber, and staff of the Departments of General Neurology and Neurodegenerative Diseases

### Research Seminar Functional Neurogenomics

Medical School  
Prof. Dr. R. Krüger

### Deep Brain Stimulation in neurological movement disorders

Medical School  
Prof. R. Krüger, Dr. T. Wächter, Dr. F. Asmus, Dr. D. Weiss

### Journal Club

Graduate School  
Prof. R. Krüger

### TüKliS "Intracranial Pressure"

Medical School  
Dr. J. Erharhagen, Prof. A. Melms, Prof. M. Meyermann, PD Dr. B. Will

### Treatment of Neurological Disorders

Medical School  
Prof. D. Berg, PD Dr. Bischof, Prof. T. Haarmeier, Prof. R. Krüger, Prof. A. Melms, Prof. L. Schöls, PD Dr. Y. Weber, Prof. T. Gasser, Prof. H. Lerche, Prof. A. Melms, Prof. H.-O. Karnath

### Lunch Conference: Critical Care Neurology

Medical School  
Dr. J. Erharhagen, Prof. T. Haarmeier

### TüKliS "Bedside Teaching"

Medical School  
Prof. A. Melms

### TüKliS "Advanced neurological examination"

Medical School  
Prof. L. Schöls, PD. Dr. W. Maetzler, Prof. T. Gasser

### Current Trends in Neuro-Oncology

Medical School  
PD Dr. U. Naumann

### Clinical Neuropathology (in cooperation with the Institute for Brain Research)

Medical School  
Prof. A. Melms, Prof. R. Meyermann, PD Dr. Will

## ■ Seminars and Courses

### Neuroscience Lecture Series

Medical School

Prof. T. Gasser, Prof. T. Haarmeier, Prof. H. Lerche, Prof. A. Melms, Prof. P. Thier

### Neuropathological Case Presentation (in cooperation with the Institute for Brain Research)

Medical School

C. Braun, Prof. A. Melms, Prof. R. Meyermann

### Clinical Neuropathology QB5 (in cooperation with the Institute for Brain Research)

Medical School

Prof. A. Melms, Prof. R. Meyermann, PD Dr. Will

### Neurobiologisches Montagskolloquium

Medical School

Prof. U. Ilg, Prof. P. Thier

### Current Problems of Sensorimotor Integration

Medical School

Prof. U. Ilg, Prof. C. Schwarz, Prof. P. Thier

### Current Problems in Neuropsychology

Medical School

Prof. H.-O. Karnath

### Neurobiology of the Cerebellum

Medical School

Dr. P. Dicke, Prof. C. Schwarz, Prof. P. Thier

### Clinical Neuropsychology

Medical School

Prof. H.-O. Karnath

### Neurokolloquium Tübingen

Hertie Institute for Clinical Brain Research, MPI for Biological Cybernetics, Graduate School of Neural and Behavioural Sciences, Centre for Integrative Neuroscience Bernstein Center for Computational Neuroscience

Prof. P. Thier

### Current Concepts in Oculomotor Function

Faculty of Biology

Prof. U. Ilg

### Pharmacotherapy of Parkinson's Disease

Contribution to interdisciplinary lecture series: "Pharmacology"

Prof. L. Schöls

## ■ Seminars and Courses

### Lab Rotations - Summer Term 2010

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#### Graduate School of Neural and Behavioural Sciences

Dr. M. Himmelbach, Prof. H.-O. Karnath, Dr. A. Lindner, Prof. C. Schwarz, Prof. P. Thier

#### Graduate School of Cellular and Molecular Neuroscience

Prof. M. Jucker, Prof. P. Kahle, Dr. S. Di Giovanni, Prof. R. Krüger, Prof. L. Schöls, Prof. T. Gasser, Dr. I. Ehrlich

#### Ferienakademie -Schülernachmittag der Ferienakademie

Prof. T. Gasser, Prof. A. Melms, Prof. P. Thier, Prof. H. Lerche, Dr. U. Naumann, Dr. A. Oehmig, Dr. U. Hedrich, Dr. U. Ilg

### Lab Rotations - Winter Term 2010/2011

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#### Graduate School of Neural and Behavioural Sciences

Prof. P. Thier, Prof. H.-O. Karnath, Prof. Dr. C. Schwarz, Dr. A. Lindner, Dr. M. Himmelbach

#### Graduate School of Molecular and Cellular Neuroscience

Prof. M. Jucker, Prof. R. Krüger, Prof. P. Kahle, Prof. L. Schöls, Dr. S. Di Giovanni, Dr. T. Rasse, Dr. F. Baumann, Prof. H. Lerche, Dr. S. Maljevic

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