

Joint scientific symposium of the TreatHSP network and the Tom Wahlig foundation

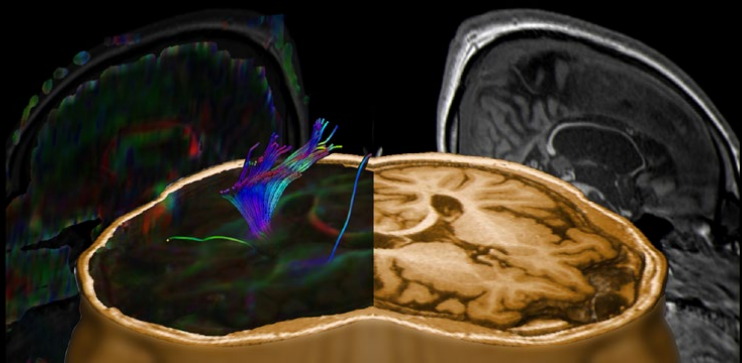
March 6th – 8th, 2024

SOLD OUT

Department of Molecular Neurology

Centre for Rare Diseases Erlangen (ZSEER)

Department of Stem Cell Biology



**Uniklinikum
Erlangen**



Wednesday, March 6th, 2024:

TreatHSP network meeting

Venue: Seminar room at TRC, Uniklinikum Erlangen, Kussmaulallee 10/12, 91054 Erlangen (parking garage directly connected)

<https://goo.gl/maps/WIJJtWRGTBVLB3EGA>

12.00 **Registration, snacks**

12.15 **Internal meeting of the BMBF funded project PIs**

12.45 **Welcome note** (R. Schüle, J. Winkler)

Project updates and discussion of funded subprojects
(10 min. report + 5 min. discussion)

Session 1 Chair: R. Schüle

13.00 **Subproject 1: Coordination unit, central infrastructure and adaptive outcome validation**

13.15 **Subproject 2: Mobile gait Analysis to classify HSP-specific gait phenotypes and individualize symptomatic treatment of HSP**

13.30 **Subproject 3: Exploring the pathogenic and therapeutic impact of lipid homeostasis in SPG4 and SPG31 using iPSC-based neural models**

13.45 **Subproject 4: The role PI4K2A in autophagy and HSP**

14.00 Coffee break

Session 2 Chair: B. Winner

14.15 **Subproject 5: Development of an antisense oligonucleotide RNA therapeutic approach for POLR3A-associated HSP**

14.30 **Subproject 6: Linking dopaminergic degeneration and lysosomal dysfunction in SPG11/ SPG15**

14.45 **Subproject 7: Therapeutic avenues for HSP caused by mutations in SPG7: targeting NAD metabolism and inflammation**

15.00 **Subproject 8: Neuroinflammation in SPG11: translational relevance and biomarkers**

15.15 Coffee break

15.30 **Interactive workshop to define a certified rater training of the mSPRS** (M. Regensburger, R. Schüle, H. Gaßner)

16.30 **Panel discussion to define consensus and needs for outcome measures in HSP**

18.00 **Dinner restaurant Steinbach Bräu,**
Vierzigmannstraße 4, 91054 Erlangen (walking distance 700 m)
<https://goo.gl/maps/UmVnU4JYUrUtaeg76>

Thursday, March 7th, 2024:

Tom Wahlig symposium day 1

Venue: Uniklinikum Erlangen, Altes Universitätskrankenhaus, lecture hall Harald-zur-Hausen-Hörsaal, room 02.225, Krankenhausstr. 12, 91054 Erlangen <https://goo.gl/maps/BSP9wjVd1cJz7xyu8>

Zoom-Participation: <https://us06web.zoom.us/j/86147061601?pwd=wKEtnnvaw5RoSrvFodb0WS5ZLbjQDD.1>

Meeting-ID: 861 4706 1601

Kenncode: 890493

09.00 **Keynote lecture**

John K. Fink (Ann Arbor, MI, USA)

09.45 – 12.00 **Session 1:**

Digital gait analysis in hereditary spastic paraplegias (HSP)

Chairs: H. Gaßner, L. Schöls

1. Multimodal movement analysis and future transfer into clinical care

H. Gaßner (Erlangen, Germany)

2. Locomotor output and muscle activation patterns in HSP

M. Serrao (Rome, Italy)

3. Progression of digital gait outcomes in trial-like timeframes for SPG4 and SPG7

W. Ilg (Tübingen, Germany)

4. Rehabilitation interventions and their effect evaluation by instrumented analysis in people with HSP

A. Geurts (Nijmegen, Netherlands)

11.30 – 13.00 Lunch break and poster session

(lecture hall: Hörsaal Östliche Stadtmauerstraße 11)

13.00 – 15.15 **Session 2:**

Intervention strategies and symptomatic therapy

Chairs: S. Klebe, M. Regensburger

1. German observational multicentre trial of the effects of botulinum toxin in HSP

M. Regensburger (Erlangen, Germany)

2. Antispastic therapies in HSP: learnings from the SPASTOX and ZISPAST trials

M. França (Campinas, Brazil)

3. Computational approach to precision neurostimulation

A. Rowald (Erlangen, Germany)

15.15 – 15.30 **Coffee break**

(lecture hall: Hörsaal Östliche Stadtmauerstraße 11)

15.30 – 16.30 **Session 3: Emerging disease mechanisms in HSP**

Chairs: B. Winner, C. Depienne

1. Axon survival depends on ER-remolding via ER-phagy

C. Hübner (Jena, Germany)

2. Microtubule defects in HSP

A. Roll-Mecak (Bethesda, MD, USA)

18.00

Von Strümpell ceremony

Venue: Orangerie, "Wassersaal", Wasserturmstraße 3, 91054 Erlangen <https://goo.gl/maps/wjwtkMuVffQCw288>

Chair: J. Winkler

Exhibition of Adolf von Strümpell original scriptures and anatomical specimen

C. Wachter, University Archive Erlangen

Musical accompaniment

String quartet of the Friedrich-Alexander-Universität Erlangen-Nürnberg

140 years ago: medicine in the age of Strümpell

N. Metzger (Erlangen, Germany)

Historical view on HSP: HSP is coming home

M. Regensburger (Erlangen, Germany)

Spinal cord injury – another rare disease requiring multicentre efforts for successful clinical translation

N. Weidner (Heidelberg, Germany)

Reception with food and drinks

Friday, March 8th, 2024:

Tom Wahlig Symposium Day 2

Venue: Lecture hall Harald-zur-Hausen-Hörsaal

Zoom-Participation: <https://us06web.zoom.us/j/86147061601?pwd=wKEtnnvaw5RoSrvFodb0WS5ZLbjQDD.1>

Meeting-ID: 861 4706 1601

Kenncode: 890493

09.00 – 10.30 **Session 4: Human cellular models**

Chairs: B. Winner, D. Ebrahimi-Fakhari

1. Brain region-specific organoids as models of neurological disorders

S. Mayer (Tübingen, Germany)

2. ER-mitochondria-signaling coupling in SPG7

G. Casari (Naples, Italy)

3. Preclinical development of an AAV-based gene therapy for SPG5

S. Hauser (Tübingen, Germany)

09.00 – 10.30 Parallel workshop: movement analysis

Chair: V. Jakob, H. Gaßner

Room: Motion lab (meeting point 9.00 a.m.
at lecture hall)

- Motion capture
- EMG
- Mobile gait analysis

10.30 – 10.45 Coffee break

(Lecture hall: Hörsaal Östliche Stadtmauerstraße 11)

10.45 – 12:45 Session 5:

Disease-modifying therapies in HSP and beyond

Chairs: J. Winkler, L. Schöls

1. N-of-1 antisense oligonucleotide trials for rare diseases

A. Aartsma-Rus (Leiden, Netherlands)

2. Emerging therapies for adrenomyeloneuropathy

W. Köhler (Leipzig, Germany)

3. SBT101 gene therapy for adrenomyeloneuropathy

F. Eichler (Boston, MA, USA)

12.45 – 14.00 Lunch break and poster session

(Lecture Hall: Hörsaal Östliche Stadtmauerstraße 11)

14.00 – 15.15 Award ceremony

- TWS prize awardee
- Von Strümpell prize awardee
- Poster prize awards

15:15 – 15:30 Concluding remarks

Sponsoring/Industrial booth



Amylyx Pharmaceuticals
1.500,- Euro



Innovation for patient care
Ipsen Pharma GmbH
4.000,- Euro



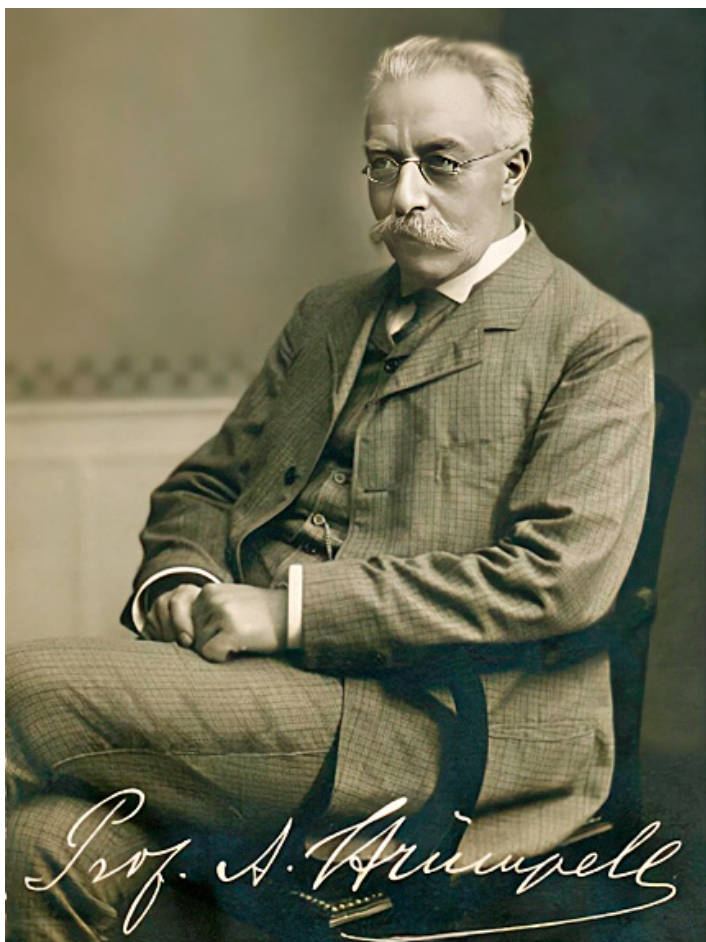
Otto Bock HealthCare Deutschland GmbH
3.000,- Euro



HealthCare Technologies
Portables HealthCare Technologies
500,- Euro

Certification

CME-points are applied for.



Cooperations

GEFÖRDERT VOM



Bundesministerium
für Bildung
und Forschung



Interdisziplinäres

**Zentrum für
Klinische Forschung**



GRK 2162
Neurodevelopment and CNS Vulnerability

Forschungs-
Stiftung
Medizin

ZSEER 
Zentrum für Seltene Erkrankungen Erlangen

Organization committee

Uniklinikum Erlangen

- PD Dr. Heiko Gaßner
- PD Dr. Martin Regensburger
- Prof. Dr. Beate Winner
- Prof. Dr. Jürgen Winkler

University Hospital Essen

- Prof. Dr. Christel Depienne
- Prof. Dr. Stephan Klebe

University Hospital Heidelberg

- Prof. Dr. Rebecca Schüle

University Hospital Tübingen

- Prof. Dr. Ludger Schöls

City map legend

- ① **Harald-zur-Hausen-Hörsaal** (Lecture hall)
Krankenhausstraße 12
(Entrance = Altes Universitätskrankenhaus)
[Tom Wahlig Symposium](#)
- ② **TRC**
Kussmaulallee 10/12
[TreatHSP Symposium](#)
- ③ **Orangerie**
Wasserturmstraße 3
[Von Strümpell ceremony](#)
- ④ **Hörsaal Östliche Stadtmauerstraße 11**
Alternative entrance to [poster session](#)

Easy to reach



CityLinie

The bus line “CityLinie” is free of charge and brings you to Uniklinikum Erlangen every 15 minutes: from the central bus station e. g. via the stops **Uniklinikum/ Maximiliansplatz** and **Krankenhausstraße**.

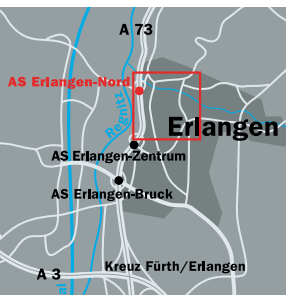
By train

Hauptbahnhof Erlangen (reachable by ICE train) is located approximately 1.000 metres from the Uniklinikum Erlangen.

By car

From the A 73 exit “Erlangen-Nord“, follow the signs saying “Parkhaus Uni-Kliniken“. There is a limited number of short-term and single-day parking spaces near the clinics. Please use the multi-storey car park “Parkhaus Uni-Kliniken“ at Kussmaulallee (vehicle access via Palmsanlage).

Long-term parking is located at the parking area west of the railway station.



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Source: Adolf von Strümpell, Porträtsammlung der Universitätsbibliothek Erlangen-Nürnberg

www.200.uk-erlangen.de/de/geschichte/20-koepfe-der-erlanger-universitaetsmedizin/struempell/index.html