

INTERNATIONAL SUMMER SCHOOL

-

CLINICAL & TRANSLATIONAL NEUROSCIENCE

-

2016



GÖTTINGEN, GERMANY

AUGUST 22ND - 26TH 2016

DEPT. OF NEUROLOGY, GEORG-AUGUST-UNIVERSITY MEDICAL CENTER, GÖTTINGEN, GERMANY



Welcome!

Dear participants of the summer school „Clinical and Translational Neuroscience“,

on behalf of the organizing committee and the Department of Neurology a very warm welcome to Göttingen! We are delighted that you have applied and have been selected to participate in this summer school. Following our announcement, we received numerous applications, and you were thus selected because of your motivation, dedication and your previous achievements – congratulations! Neurology is a dynamic and growing specialty with a continuously increasing importance for our health system. Neurologists are highly demanded specialists already today, and considering the demographics they will be an even greater asset for clinical patient care in the future. During this summer school we would like to familiarize you with the multitude of different aspects of clinical neurology and inspire you to continue your professional training in this challenging field. Our faculty has prepared a very particular program, just for this summer school. Many activities will take place in small groups. Please, use these occasions for an intensive exchange, ask questions and involve in discussions with the faculty and peers. We believe to have chosen interesting and timely topics in the fields of stroke and intensive care neurology, inflammatory nervous system disorders, neurodegeneration, cognitive neurology and clinical neurophysiology. Throughout the program, we want to focus on translational aspects: the transfer of research findings into clinically useful knowledge. To this, we have combined overview lectures by renowned experts in the field with practical hands-on demonstrations and teaching, where you also will have the opportunity to get to know the different research groups of our department. Of course, you should also use the occasion to get to know Göttingen, a vibrant university town with a long-standing academic tradition. The informal evening program will allow you to discover our city, which is located in the heart of Germany and is characterized by its well-developed infrastructure, the large student population and excellent facilities for sports and recreation. Wishing you an enjoyable and informative week in Göttingen, best regards,



Prof. Dr. Paul Lingor



Prof. Dr. Mathias Bähr



Accommodation and Location

Hospital

Universitätsmedizin Göttingen
Robert Koch Str. 40
37075 Göttingen

Tel: +49 551 / 39 - 0

Hotel

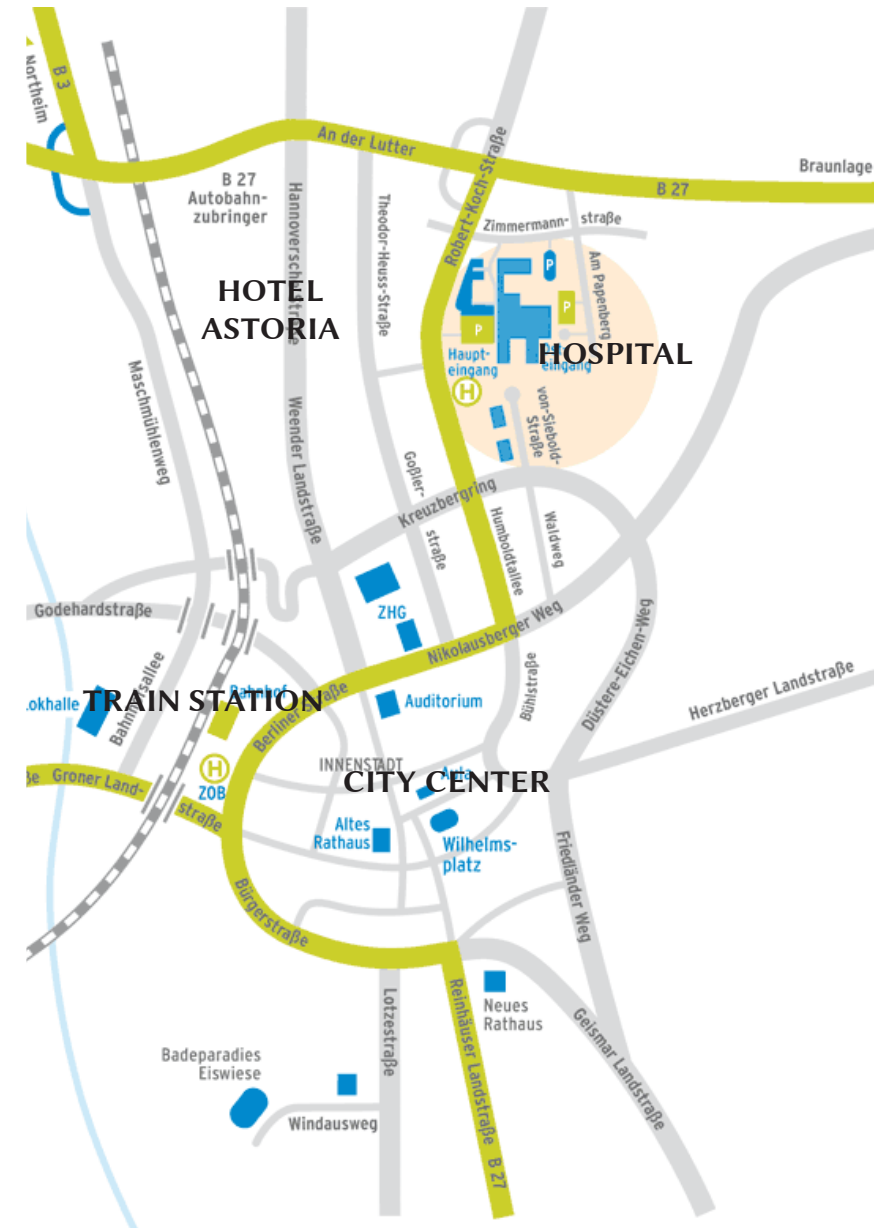
Hotel Astoria
Hannoversche Str. 51-53
37075 Göttingen

Tel: +49 551 / 305 00
<http://www.astoria-goettingen.de>

For participants from outside Göttingen accommodation is available. Costs are covered by the Summer School. Hotel Astoria. Arrival Sunday Aug 21st 2016, Departure Saturday 27th 2016

Arriving by train: By city bus from the ZOB directly in front of the railway station (exit towards the city centre on the right side) with the lines 180 and 185. Get off at the station "Grüner Weg".

Arriving by car: A7 exit Göttingen Nord. B27 in the direction of Göttingen / Duderstadt. Turn right towards the city center at the first traffic lights in Göttingen.



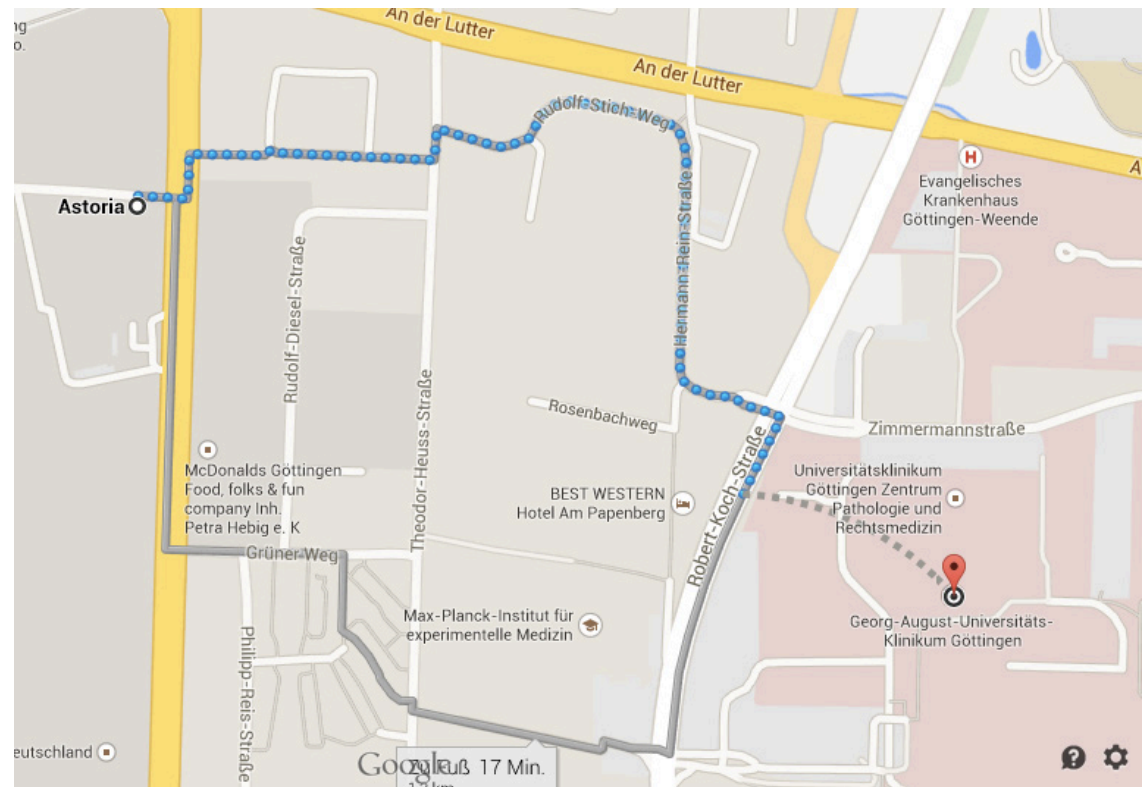
Anfahrt zum Hauptgebäude Universitätsklinikum Göttingen

(H) Haltestelle Bus

(P) Parkplatz

Getting around and Meals

Hotel Astoria (A) to University Hospital (by foot) (B)
approx. 1,3km



Breakfast

For participants staying in the hotel, breakfast is included.

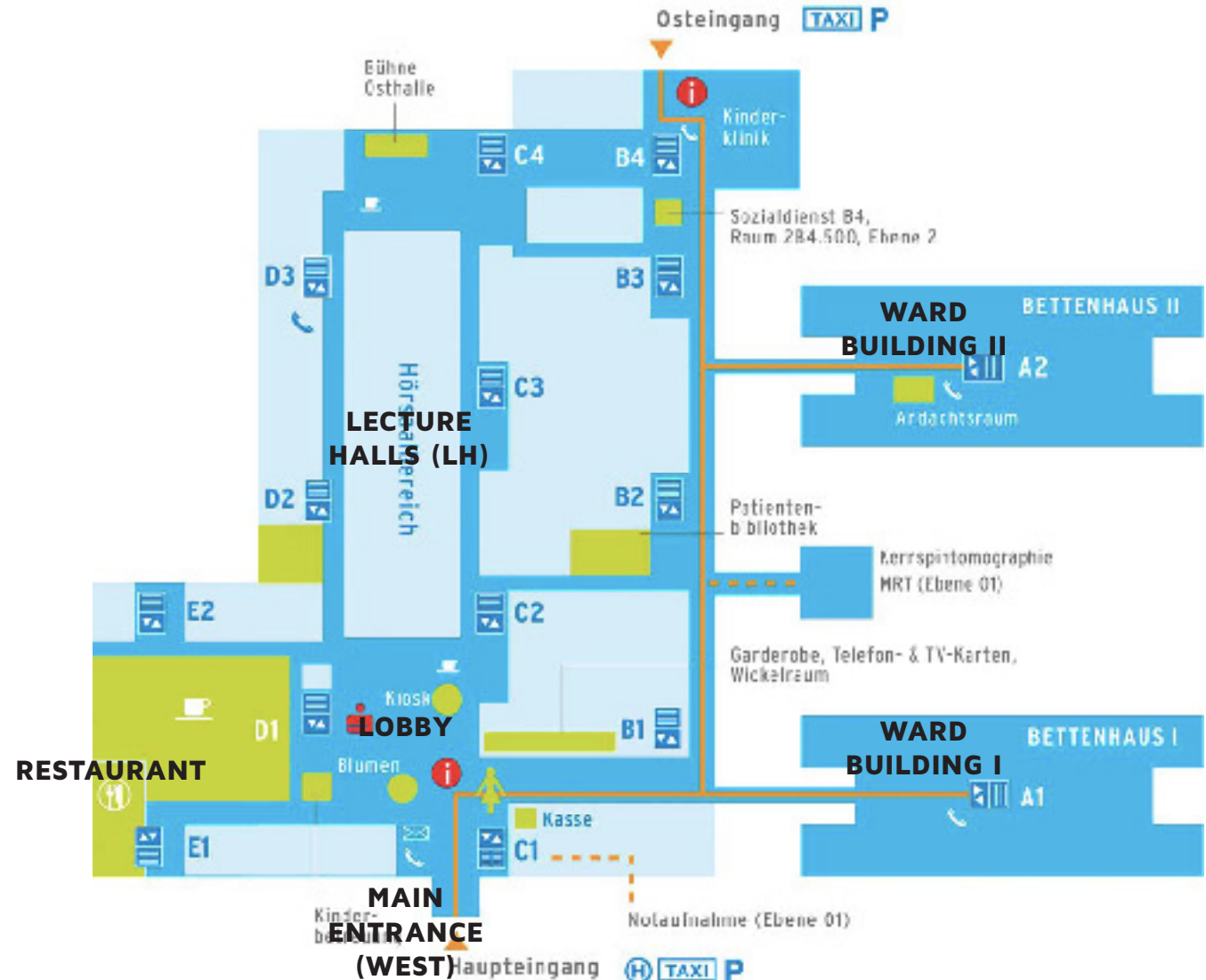
Lunch

Yes, there is such a thing as a free lunch... Show your ID tag in the hospital's restaurant (Mensa) and choose one of the meals available.

Dinner

Every evening we have booked a different restaurant. One meal and drink will be covered for each participant.

University Medical Center



The University Medical Center is divided into two buildings housing the wards as well as the main building (UBFT). Corridors in east-west orientation are labelled alphabetically (south->north = A->E). Corridors in south-north orientation are labelled numerically (west->east = 1->4). Elevators are labelled according to their location in this coordinate system (e.g. B2).

General organizational information

Subgroups (SG)

Often for seminars the group of participants will be divided into small subgroups (SG). The following table shows the planned distribution:

participant	e-mail	Mon	Tue	Wed	Thu	Fri
Appeltshauser, Luise	l.appeltshauser@web.de	1	1	1	-	1
Balke, Dirk	dirk.balke@googlemail.com	1	1	1	-	1
De Boni, Laura Dr.	laura.de_boni@ukb.uni-bonn.de	1	1	1	-	1
Fischer, Norina	norina.fischer@charite.de	1	1	1	-	1
Fleischer, Anna	annac.fleischer@t-online.de	1	1	1	-	1
Goldberg, Maria	mashuk.gold@gmail.com	2	1	1	-	2
Gorbachev, Kirill	specialkg91@gmail.com	2	1	1	-	2
Ilse, Arne	arne.ilse@st.ovgu.de	2	1	1	-	2
Kindl, Philipp	philipp.kindl@hotmail.com	2	2	2	-	2
Komboz, Fares	kombozfares@gmail.com	2	2	2	-	2
Lange, Florian	flrnIng0@googlemail.com	3	2	2	-	3
Lee, Wonhyeok	leewh3636@gmail.com	3	2	2	-	3
Limonova, Alena	limonova-alena@yandex.ru	3	2	2	-	3
Ponsel, Simon	simon.ponsel@physiologie.uni-heidelberg.de	3	2	2	-	3
Schiestl, Thomas	Thomas.Schiestl@student.i-ed.ac.at	3	2	2	-	3
Schumm, Leonie	Leonie.Schumm@charite.de	3	2	2	-	3

How to get from A to B

Meeting point in the morning is Lecture hall (LH) 51/52. After the Keynote lecture the participants will be distributed into small subgroups (SG, see above). Each subgroup will be picked up by its respective docent or lecturer. After a subgroup seminar, the docent will hand over the group to the next docent or will guide you to the location where the next seminar is going to take place. In case of problems everyone will be happy to help you - see below for contact information.

The participant Dirk Bahlke is also a Summer School Team member and will be happy to assist you in case questions arise or problems occur.

Participants' contributions

Participants talks and presentations (10min talk + 5min discussion)

participant	title of the talk	Date
Appeltshauser, Luise (Würzburg, Germany)	Autoantibodies against paranodal proteins in patients with inflammatory polyneuropathy	Wed
Balke, Dirk, Göttingen, Germany	Regulation of a specific autophagy receptor in the MTPT mouse model of Parkinson's disease	Wed
De Boni, Laura Dr. (Bonn, Germany)	Neurons in a dish. Promising tool for epigenetic studies in neurodegenerative diseases?	Wed
Fischer, Norina, Berlin, Germany	Immune-mediated necrotizing myopathy (IMNM)	Thu
Fleischer, Anna (Würzburg, Germany)	Sub-study of the prospective "SICFAIL" cohort study (Stroke induced cardiac failure in mice and men)	Mon
Goldberg, Maria (Moscow, Russia)	Long-Term Survival In Patient With Glioblastoma	Tue
Gorbachev, Kirill (Moscow, Russia)	Gastrostomy in ALS patients: Russian experience and effects on disease progression	Tue
Ilse, Arne (Magdeburg, Germany)	Seeing without noticing - Do task-relevant stimuli capture our attention in the absence of awareness?	Tue
Kindl, Philipp (Innsbruck, Austria)	Interaction between Nogo-Receptors and FGF and their role in axonal regeneration	Thu
Komboz, Fares (Beirut, Lebanon)	Electrophysiological effects of insular stimulation on the somatosensory thalamus	Tue
Lange, Florian (Würzburg, Germany)	Effects of Deep Brain Stimulation in Parkinson's disease and dystonia	Wed
Lee, Wonhyeok (Würzburg, Germany)	Zebrafishmodel of ADHD, loss of gene and hyperactivity	Thu
Limonova, Alena (Moscow, Russia)	Assessment of the structural intra- and inter-hemispheric connectivity and condition of the unaffected hemisphere in chronic ischemic stroke patients	Mon
Ponsel, Simon (Heidelberg, Germany)	From nociception to chronic pain: Structure-function properties of neural pathways and their reorganization	Thu
Schiestl, Thomas (Innsbruck, Austria)	The application of Dual Energy Computed Tomography in stroke imaging and the visualisation of (hyper)acute strokes in patients who received mechanical thrombectomy	Mon
Schumm, Leonie (Berlin, Germany)	The effect of cortical spreading depolarization on secondary stroke progression	Mon

Presentations should be 10 minutes max. + 5 minutes discussion. Please inform us, whether you bring your own laptop or your talk on a USB stick. If you bring your talk on a USB stick, please give it to Dirk Balke before the lunch break, so we can upload it to our system.

Monday

Aug 22nd 2016

Stroke & Neurocritical Care

Time	Agenda	Location	Lecturer
09:00 - 09:15	Welcome / Introduction	Lecture Hall (LH) 51/52	Prof. M. Bähr Prof. P. Lingor
09:15 - 10:30	Keynote lecture	LH 51/52	Prof. M. Endres, Berlin, Germany
10:45 - 11:45	SG 1) Stroke research SG 2) Neuroradiology SG 3) Sonography	Stroke Lab Neuroradiology LH 51/52	PD T. Döppner Dr. M. Psychogios PD J. Liman
12:00 - 13:00	SG 1) Sonography SG 2) Stroke research SG 3) Neuroradiology	LH 51/52 Stroke Lab Neuroradiology	PD J. Liman PD T. Döppner Dr. M. Psychogios
13:00 - 13:45	Lunch break		
13:50 - 14:50	SG 1) Neuroradiology SG 2) Sonography SG 3) Stroke research	Neuroradiology LH 51/52 Stroke Lab	Dr. M. Psychogios PD J. Liman PD T. Döppner
15:00 - 16:00	Participants' talks (10min+5min discussion) 1) 15:00: Fleischer 2) 15:15: Limonova 3) 15:30: Schiestl 4) 15:45: Schumm	LH 51/52	Prof. P. Lingor / all faculty
16:10 - 17:00	Case Presentations in Neurocritical Care	LH 51/52	PD Ch. Schmidt

Evening program

19:30 Restaurant: Kartoffelhaus, Goethe-Allee 8, 37073 Göttingen



Tuesday

Aug 23rd 2016

Inflammatory Disorders of the CNS

Time	Agenda	Location	Lecturer
9:00 - 10:30	Keynote lecture	LH 51/52	Prof. H.-P. Hartung, Düsseldorf, Germany
10:40 - 11:25	SG1) Basics of CSF analysis	LH 51/52 & CSF lab	PD J. Koch
	SG2) Differential therapies in MS	LH 53	PD K. Hein
11:30 - 12:15	SG1) Neuroinfectious diseases	LH 51/52 & CSF lab	PD M. Djukic
	SG2) Research in Multiple Sclerosis	LH 53 & Neuropathology labs	Prof. M. Weber (D)
12:15 - 13:00	Lunch break		
13:00 - 13:45	SG1) Differential therapies in MS	LH 53	PD K. Hein
	SG2) Basics of CSF analysis	LH 51/52 & CSF lab	PD J. Koch
14:05 - 14:50	SG1) Research in Multiple Sclerosis	LH 53 & Neuropathology labs	Prof. M. Weber (D)
	SG2) Neuroinfectious diseases	LH 51/52 & CSF lab	PD M. Djukic
15:00 - 16:00	Participants' talks (10min+5min discussion) 1) 15:00 Goldberg 2) 15:15: Ilse 3) 15:30: Gorbachev 4) 15:45: Komboz	LH 51/52	Prof. P. Linger / all faculty
16:10 - 17:00	Case presentations	LH 51/52	Prof. M. Weber (D)

Evening program

19.30 India Haus, Kurze Geismar Str. 41,
37073 Göttingen



Wednesday

Aug 24th 2016

Parkinson's disease and Dementia

Time	Agenda	Location	Lecturer
9:00 - 10:30	Keynote lecture: Parkinson's disease (subsequently: separation into 2 groups; the SG scheduled for a Waldweg Lab seminar will be picked up by a team member, 15min walk to the lab)	LH 51/52	Prof. G. Deuschl, Kiel, Germany
10:50 - 11:50	SG1) Basic research in Parkinson's disease	Lab Waldweg	Prof. P. Lingor Dr. L. Tatenhorst
	SG2) Neuropsychol. assessment	LH 51/52	Mrs. S. Nuhn
12:15 - 13:15	SG1) Neuropsychol. assessment	LH 51/52	Mrs. S. Nuhn
	SG2) Basic research in Parkinson's disease	Lab Waldweg	Prof. P. Lingor Dr. L. Tatenhorst
13:15 - 13:50	Lunch break		
14:00 - 15:00	Lecture on dementia	LH 51/52	Prof. I. Zerr
15:05 - 16:15	Participants' talks (10min+5min discussion) 1) 15:05 De Boni 2) 15:20 Balke 3) 15:45 Lange 4) 16:00 Appeltshauser	LH 51/52	Prof. P. Lingor / all faculty
16:25 - 17:30	Movement disorders quiz	LH 51/52	Prof. P. Lingor

Evening Program

Guided tour through Göttingen
Meeting point: old townhall 19:40

afterwards: Z.A.K. restaurant
Am Wochenmarkt 22, 37073 Göttingen



Thursday

Aug 25th 2016

Encephalitis

Study Design

Legal issues

Cognitive Neurology

Time	Agenda	Location	Lecturer
9:00 - 10:30	Keynote lecture: Antibody-associated CNS-diseases: Experimental analysis of auto-antibody function	LH 51/52	Prof. C. Sommer, Würzburg, Germany
10:45 - 11:45	Clinical trials: Adaptive designs and more	LH 51/52	Prof. T. Friede
12:00- 13:00	Intellectual property and patent rights	LH 51/52	Dr. Uhle
13:00 - 13:40	Lunch break		
13:45 - 14:45	Participants' talks (10min+5min discussion) 1) 13:45: Lee 2) 14:00: Ponsel 3) 14:15: Kindl 4) 14:30: Fischer	LH 51/52	Prof. P. Lingor / all faculty
14:55	Transfer to: German Center for Primate Research (DPZ - Deutsches Primatenzentrum) (Kellnerweg 4, Göttingen) by Taxi, departure in front of the main (west) entrance	DPZ	
15:15 - 15:55	Introductory lecture	DPZ	U. Schönmann
16:00 - 16:40	Guided tour	DPZ	U. Schönmann
17:00 - 18:00	Lecture on cognitive neurology	DPZ	Prof. M. Wilke

Evening program

19.30 Restaurant Fellini, Groner-Tor-Straße 28,
37073 Göttingen



Friday

Aug 26th 2016

Neuromuscular disorders

Time	Agenda	Location	Lecturer
09:00 - 10:30	Keynote lecture on ALS	LH 51/52	Prof. M. Weber, Sankt Gallen (CH)
10:30	short break and division into three groups	you'll be taken to the clinical e'phys lab	
10:45-11:15	SG 1) Case presentations a SG 2) Case presentations b SG 3) E'physiology hands-on	E'phys lab / Outpatient clinic	Prof. J. Schmidt and team*
11:25-11:55	SG 1) E'physiology hands-on SG 2) Case presentations a SG 3) Case presentations b	E'phys lab / Outpatient clinic	Prof. J. Schmidt and team*
12:05-12:35	SG 1) Case presentations b SG 2) E'physiology hands-on SG 3) Case presentations a	E'phys lab / Outpatient clinic	Prof. J. Schmidt and team*
12:40-13:20	Lunch break		
13:25 - 15:00	Neuromuscular lab	Lab Waldweg	Prof. J. Schmidt and neuromuscular diseases (NMD) research team*
13:25 - 13:40	Walk to the Lab	(you'll be picked up in the restaurant by an NMD research team member for the walk to the lab and back)	
13:40 - 14:00	Introduction to our neuromuscular research team		
14:00 - 14:45	Division into 3 groups, rotation through: -a) Cell culture -b) Fluorescence microscopy -c) Neuropathology of muscle and nerve	Dr. A. Wrede, Neuropathology
14:45 - 15:00	walk back to UMG		
15:15 - 17:00	Feedback and farewell	LH 51/52	Prof. M. Bähr Prof. P. Lingor

*(Prof. J. Schmidt's Team: Dr. J. Zschüntsche, Dr. K. Schmidt, Dr. P.-O. Carstens)

Keynote speakers' contacts

speaker	Affiliation	URL
Deuschl, Prof. Dr. M.	Dept. of Neurology, Christian-Albrechts-University, Kiel, Germany President of the EAN	http://www.neurologie-kiel.uk-sh.de
Endres, Prof. Dr. M.	Dept. of Neurology, Charite, Berlin, Germany	https://neurologie.charite.de
Hartung, Prof. Dr. H.-P.	Dept. of Neurology, Heinrich-Heine-University Duesseldorf, Germany	http://www.uniklinik-duesseldorf.de/unternehmen/kliniken/klinik-fuer-neurologie/home/
Sommer, Prof. Dr. C.	Dept. of Neurology, Julius-Maximilians-University, Wuerzburg, Germany	http://www.neurologie.ukw.de
Weber, Prof. Dr. M. (Ch)	Dept. of Neurology, Muskelzentrum / ALS Clinic, Kantonsspital Sankt Gallen, Switzerland	http://www.muskelzentrum.kssg.ch/home.html

Speakers' contacts (UMG)

speaker	UMG pager	e-mail
Carstens, Dr. P.-O.	919-1411	per-ole.carstens@med.uni-goettingen.de
Döppner, PD Dr. Th.	919-6071	Thorsten.Doeppner@med.uni-goettingen.de
Djukic, PD Dr. M.		mdjukic@gwdg.de
Friede, Prof. Dr. T.		tim.friede@med.uni-goettingen.de
Hein, PD Dr. K	919-1804	k.hein@uni-goettingen.de
Koch, PD Dr. J.	919-6816	jkoch@med.uni-goettingen.de
Liman, PD Dr. J.	919-6825	jliman@gwdg.de
Lingor, Prof. Dr. P.	919-2804	plingor@gwdg.de
Maaß, F.	919-2334	fabian.maass@med.uni-goettingen.de
Nuhn, S.	919-1408	sabine.nuhn@med.uni-goettingen.de
Psychogios, Dr. M.	919-1382	Marios-Nikos.Psychogios@medizin.uni-goettingen.de
Schmidt, PD Dr. Ch.	919-2848	cschmid2@gwdg.de
Schmidt, Prof. Dr. J.	919-2846	j.schmidt@med.uni-goettingen.de
Schmidt, K.	919-2363	karsten.schmidt@med.uni-goettingen.de
Schönmann, U.		
Tatenhorst, Dr. L.	Tel. 4749	lars.tatenhorst@med.uni-goettingen.de
Uhle, Dr.		
Weber, Prof. Dr. M. (D)	919-2545	martin.weber@med.uni-goettingen.de
Wilke, Prof. Dr. M.	Tel. 13131	melanie.wilke@med.uni-goettingen.de
Wrede, Dr. A.		awrede@med.uni-goettingen.de
Zerr, Prof. Dr. I.	919-2132	ingazerr@med.uni-goettingen.de
Zschüntzsch, Dr. J.	919-6891	j.zschuentzsch@med.uni-goettingen.de

UMG speakers and docents can be paged with every telephone in the hospital building (dial number, wait for continuous signal, hang up, wait for call from the paged person)

Relevant contacts (UMG)

Phone

City Code Göttingen:
University Göttingen:

+49 (551) (within Germany only 0551)
+49 (551) / 39 - 0

Hospital Hotline (information):
Hospital Hotline (information):

118 (from within the hospital)
+40 (551) / 39 - 0 (from outside the hospital)

Frau Gottfried / Frau Große
(Office Prof. Bähr):

+49 (551) / 39 - 66603
(from within the hospital only "66603")

Web Resources

Dept. of Neurology
Bähr Lab
Max Planck Institute
Cognitive Neurology

<http://www.neurologie.med.uni-goettingen.de>
<http://www.baehrlab.med.uni-goettingen.de/>
<http://www.em.mpg.de/index.php>
<http://www.cognitive-neurology.med.uni-goettingen.de>

Prion Research
Clinical Dementia Center
Neuropathology
Neuroradiology

<http://www.cjd-goettingen.de/>
<http://www.demenzzentrum-goettingen.de/>
<http://www.neuropathologie.med.uni-goettingen.de/>
<http://www.neuroradiologie.med.uni-goettingen.de/>

Funding

We thank all sponsors for the generous financial support!



abbvie



We are grateful for the substantial financial contribution by the Georg-August-University's Spirit Summer School program (16.000 EUR). Furthermore, this Summer School is financially supported by (in alphabetical order): AbbVie (2.000 EUR), Boehringer Ingelheim (500 EUR) and Medtronic (600 EUR).

International Summerschool - Clinical and Translational Neuroscience
Dept. of Neurology, Georg-August-University Medical Center, Göttingen, Germany

August 2016

Thank you for your participation!

sincerely yours,

Marlena Schnieder, Heidi Gottfried, Matthias Börger, Fabian Maaß, Christian Schmidt, Paul Lingor
(organizers)

