ZENTRUM FÜR NEUROSENSORIK (ZfN)

Joint Curriculum

of the ZfN Members

< Department of Otolaryngology, Head and Neck >

< University Eye Hospital >

< Institute for Ophthalmic Research >

COURSE STRUCTURE

The program for doctoral and postdoctoral students comprises 4 semesters (I to IV), each consisting of 3 consecutive modules ((1) to (3)).
At the end of each semester, on completing all 3 mandatory modules, a certificate is being issued. Requirement: attendance of at least 80% (For Residents: attendance of at least one module per semester is obligatory. A certificate is being issued after having attended each of the 3 modules / after 3 semesters).

The following modules are offered during summer term 2011:

(1) Lecture "Sensory Systems – Basics and Principles IV"

(2) Progress Reports IV – Progress in Neuroscience Research of the Retina and the Inner Ear

(3) Compulsory attendance of an Optional Course – the third module can be freely chosen from a list of existing courses/lectures/seminars offered at the Department of Otolaryngology, Head and Neck, the University Eye Hospital or the Institute for Ophthalmic Research.

LECTURE
"Sensory Systems – Basics and Principles IV"

Summer Term 2011

When Monday, 16:00 – 17:30
Where Lecture hall of the ENT Clinic (HNO-Klinik), Elfriede-Aulhorn-Str. 5 (see map)
Language English

Date	*Topic*	*Lecturer*
02.05.2011	Microsaccades - Physiology and Behavior	Ziad Hafed, CIN
09.05.2011	Active Touch – Whisker Movements	Cornelius Schwarz, CIN
16.05.2011	Neurophysiology of visual perception	Laura Busse, CIN
23.05.2011	Somatosensation I (Thermo – Touch - Pain)	Heinz Breer, Hohenheim
30.05.2011	Somatosensation II (Thermo – Touch - Pain)	Heinz Breer, Hohenheim
06.06.2011	Sensing Pheromones	Heinz Breer, Hohenheim
20.06.2011	Neurotrophin as pain modulator?	Jing Hu, CIN
27.06.2011	Comparative aspects of potassium channels in eye and ear	Peter Ruth, Pharma-zeutisches Institut
04.07.2011	Comparative aspects of connexins in eye and ear	Nikolaus Blin, Humangenetik
11.07.2011	Comparative aspects of ribbon synapses in eye and ear	Marlies Knipper, THRC
18.07.2011	Tutorial / Time for Questions	

PROGRESS REPORTS IV
Progress in Neuroscience Research of the Retina and the Inner Ear

Summer Term 2011

When once a month on Thursday, 16:00 – 17:30
Where Lecture room of the University Eye Hospital, Schleichstr. 12 (see map)
Language English

Date	*Topic*	*Lecturer*
21.04.2011	Quantification of allelic expression differences in retinal expressed (disease) genes	Sukirthini Balendran *Institute for Ophthalmic Research, Molecular Genetics Laboratory*
	tba	Marcus Müller *THRC, Regenerative Biology*
19.05.2011	Dependence of the contrast discrimination ability of the retina on the light adaptation state	Alexandra Tikidji-Hamburyan *CIN, Retinal Circuits + Optogenetics*
	Morphological and functional response of cochlear lateral wall following sensorineural hearing loss in mice	Hao Xiong *THRC, Mol Physiol of Hearing*
16.06.2011	cGMP-dependent cell death in animal models for Retinitis Pigmentosa	Francois Paquet-Durand *Institute for Ophthalmic Research, Div. of Exp. Ophthalmology*
	A partially implantable hearing system for round window stimulation	Erich Goll *THRC, Sect. Physical Acoustics*
21.07.2011	Modulation of rod output by HCN1 channels	Naoyuki Tanimoto *Institute for Ophthalmic Research, Sect. Ocular Neurodegeneration*
	tba	Lukas Rüttiger *THRC, Mol Physiol of Hearing*

At each date two progress reports will be presented – one by a young scientist of the Centre for Ophthalmology, one by a young scientist of the Hearing Research Centre / ENT-Clinic (Schedule per progress report: 30 min talk, 15 min discussion)

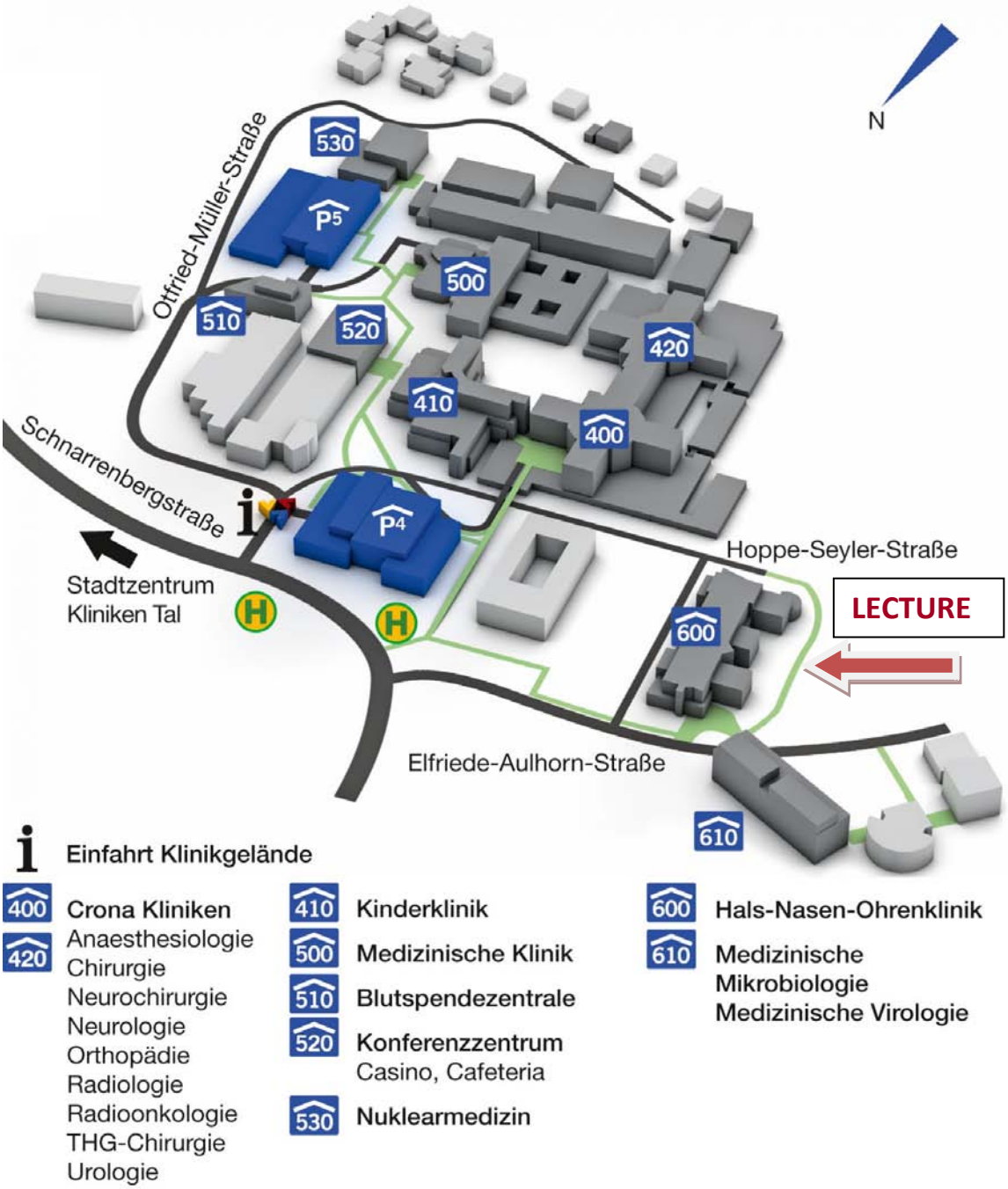
Compulsory Attendance of an Optional Course

Summer Term 2011

Module (3) can be freely chosen from a list of existing courses/lectures/seminars offered at the Department of Otolaryngology, Head and Neck, the University Eye Hospital or the Institute for Ophthalmic Research.

Type of Course	Title	Focs Group	When and Where	Lecturer(s)
HEARING				
Journal Club	Preparation of the Friday seminar	master and PhD students, staff scientists, interested guests	*Tuesday, 14:30* ENT-University Clinic, Elfriede-Aulhorn-Str. 5	Rüttiger/Knipper Members of the THRC
Seminar	"Friday Seminar" (Methoden Seminar)	master and PhD students, staff scientists, interested guests	*Friday, 9:15* Seminar Room ENT- Clinic, Elfriede-Aulhorn-Str. 5	Knipper/ Rüttiger/Singer/ Franz Invited speakers
SEEING				
Seminar	Progress in Ophthalmic Genetics and Pathophysiology of the Retina	staff scientists, physicians, students biology, medicine and related disciplines	*Monday 10:00-11:00* Röntgenweg 11, R001	Wissinger, Kohl, Arango-Gonzalez, Paquet-Durand, and others
Lecture	Medizinphysik	Medical Physics for Bachelor students "Molekulare Medizin"	*Tuesday 8:00-10.00* Lehr- und Lerngebäude Elfriede-Aulhorn-Str. 10	Gummer, Pichler, Schick, Schaeffel, Schnieder, Kaulich
TüKliF Seminar (Journal Club)	Current Developments in Ocular Genetics and Molecular Biology of the Eye (in English)	students, staff scientists	*Wednesday 9-10:00* Seminarraum Röntgenweg 11	Wissinger, Kohl, Schimpf-Linzenbold, Weißschuh

Research Colloquium (invited external speakers)	Hereditary Retinal Disorders	students, staff scientists, interested guests	*Thursday 18-19:00* location to be announced	Wissinger, Bonin, Kohl, Paquet-Durand, Ruth, Seeliger, Tanimoto, Weißschuh, Zrenner
Lecture	Modelle erblicher Netzhaut-erkrankungen - Genetik, Patho-physiologie & Therapie	students, staff scientists	*Wednesday 16:00-17:30* Lecture room of the Eye Hospital, Schleichstr. 12	Seeliger and others
Graduate Training Centre of Neuroscience				
Lecture *(winter term only)*	Sensory Systems Neuroscience	Master Students, Graduate School of Cellular & Molecular Neuroscience	*Tuesday 9-11:00* Österberg-str. 3, Gradschool Lecture Hall (HS-2)	Herbert, Hu, Ostwald, Paquet-Durand
Lecture *(winter term only)*	The Visual System	Master and PhD students, Gradute School of Neural and Behavioral Sciences	*Wednesday 11-13:00* Oesterberg-str. 3	Schaeffel
Interdisciplinary				
Journal Club	Molecular Genetics	students biology and bioinformatics	*Wednesday 9:00* Wilhelmstr 27 kleiner HS	Blin
Seminar	Evolutionary Genetics	students biology and paleontology,	*Tuesday 18:00* Bibliothek Wilhelmstr 27, 1 OG	Blin, Pusch, Tomiuk
Lecture	Special Interest Group Neuroanatomy (SIGNA)	master and PhD students, staff scientists, interested guests	*Thursday 17:00-18:30 (once a month)* Casino Breuningerbau, Schleichstr.	Schubert, Euler, Paquet-Durand and others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Otfried-Müller-Straße
530
P5
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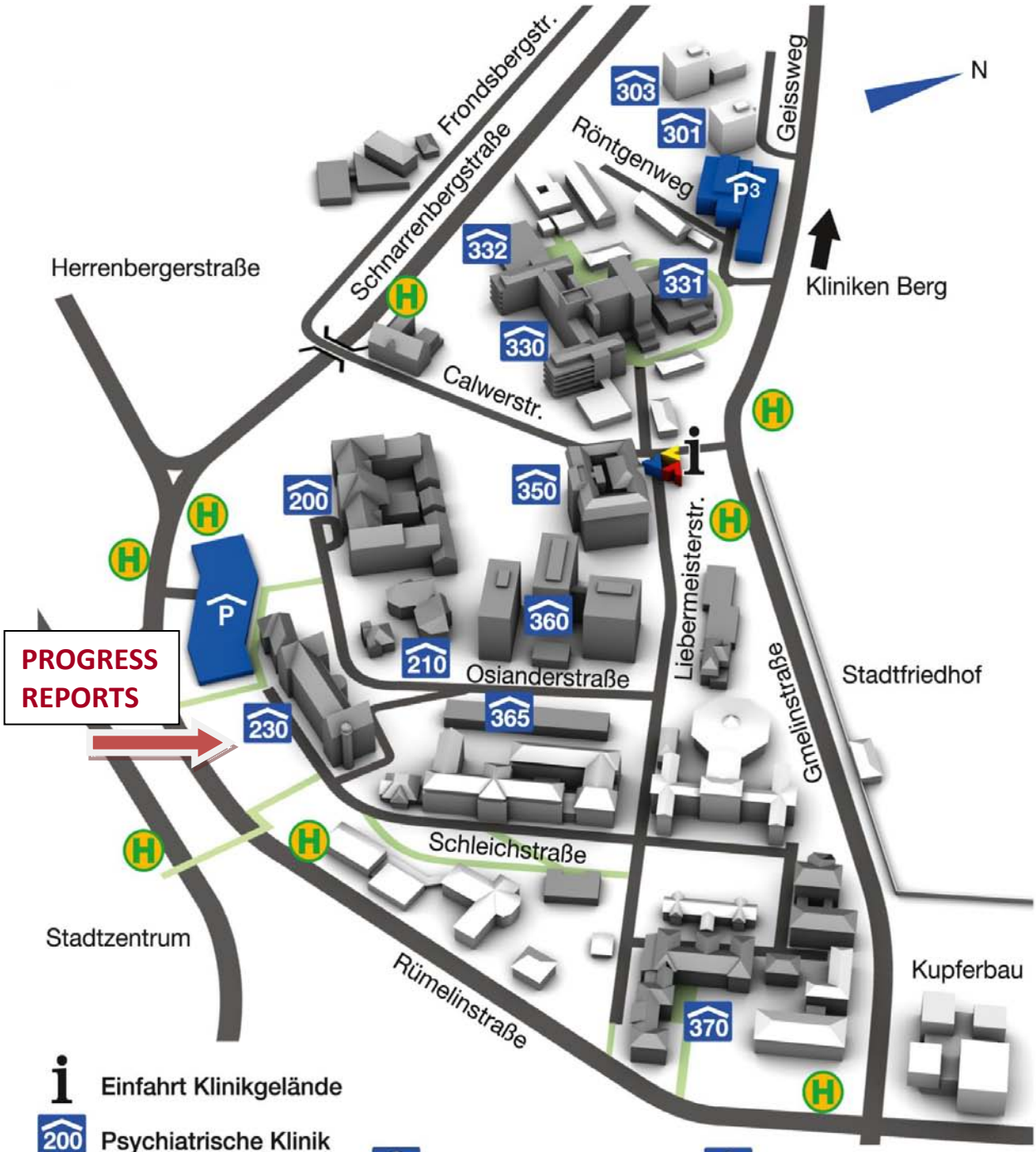
Schnarrenbergstraße
P4
Stadtzentrum
Kliniken Tal
Hoppe-Seyler-Straße
LECTURE
600
Elfriede-Aulhorn-Straße
610
Einfahrt Klinikgelände
400 Crona Kliniken
420 Anaesthesiologie
Chirurgie
Neurochirurgie
Neurologie
Orthopädie
Radiologie
Radioonkologie
THG-Chirurgie
Urologie
410 Kinderklinik
500 Medizinische Klinik
510 Blutspendezentrale
520 Konferenzzentrum
Casino, Cafeteria
530 Nuklearmedizin
600 Hals-Nasen-Ohrenklinik
610 Medizinische
Mikrobiologie
Medizinische Virologie



- Einfahrt Klinikgelände
- 200 Psychiatrische Klinik
- 210 Kinder- und Jugendpsychiatrie
- 230 Augenklinik
- 301 Klinikumsverwaltung
- 303 Dekanat Medizinische Fakultät
- 330 Frauenklinik, Medizinische Genetik, Neonatologie
- 331 Casino, Cafeteria
- 332 Zahnklinik
- 360
- 350 Hautklinik
- 370 Sportmedizin, Psychosomatische Tagesklinik
- 365 ViTa Gebäude