



Annual Meeting of the Swiss Society for Neuroscience

University of Zurich, Irchel Campus
Winterthurerstrasse 190
8057 Zurich

Friday February 3rd, 2012



Program and Abstracts

Directions to the Irchel Campus - SSN 2012 Meeting

By Train and Tram

From the main station take Tram Number 10 direction Zurich Flughafen (or Bahnhof Oerlikon) to "Universität Irchel" (about 20 min). Follow the arrow "Universität" , and you will end up on the broad walkway.. Signs will be posted to indicate the reception for the SSN 2012 Meeting.



By Car

From the south or south-east

(Motorway N3 from Chur, Sihltal from Gotthard, Luzern).

Follow the motorway N3 until the end. Then following the signs towards Winterthur, St.Gallen and Flughafen Kloten you will cross the Limmat Valley on the EscherWyss Bridge and go straight up the hill to the top. There you should see a sign directing you to the right to "Uni Irchel - Parkhaus" , the Campus underground parking lot, where you can leave your car

From the west

(Motorway N1 from Basel, Bern)

Do not go into Zürich. Instead follow the north branch of the motorway towards Winterthur and St.Gallen. At the "Dreieck Zürich-Ost" take the branch towards "Zürich, Chur, Luzern" , leave the motorway at the "Zürich-Schwamendingen" Exit and follow the white signs towards "Irchel" until you see a sign pointing towards "Irchel - Parkhaus" , where you can park your car. These directions also apply if you come by rental car from Zurich-Kloten airport.

From the north

(Motorway N1 from St.Gallen)

At the "Dreieck Zürich-Ost" take the branch towards "Zürich, Chur, Luzern" . Leave the motorway at the "Zürich-Schwamendingen" Exit and proceed as described above.

Directions for the SSN Dinner

(for registered participants only)

Location and time:

ETH Dozenten Foyer, ETH Zentrum, Rämistasse 101

19.00 - 24.00

From the Irchel tram stop (see map above), take either the tram 10 direction Zurich Hauptbahnhof (HB) or tram 9 direction Zürich, Heuried. Get off at the "ETH/Universitätspital" stop. It is the 7th stop on either line. Enter the ETH main building and take one elevator all the way up. The Dozenten Foyer is located in the dome of the building.

Organizing Committee:

E. Stoeckli

D. Kiper

C. Grimm

I. Klusman

W. Knecht

Sponsors:

Kontaktgruppe für Forschungsfragen



University of Zurich, Mathematics and
Natural Sciences Faculty



**Universität
Zürich**^{UZH}



Stadt Zürich (City of Zurich)

Program Overview			
8:30	Registration and poster setup		
9:15-9:30 Room Y24-G-45	Welcoming remarks by the president of the SSN Esther Stoeckli.		
9:30-10:30 Room Y24-G-45	Plenary lecture 1	Prof. J.A.Movshon, New York University, USA "Brain mechanisms of visual motion perception"	
10:30-10:45	Coffee break		
10:45-12:00 Room Y24-G-45	Symposium 1	"Advances in neuromorphic systems" (Organized by K. Martin and S.C. Liu) Douglas Bakum, ETH Zurich: "Uncovering neuronal cellular and network function using a high-density 11,011-microelectrode CMOS array" Tobi Delbrück, ETH Zurich: "Seeing with silicon spike events." Giacomo Indiveri, ETH Zurich: "What does neuromorphic engineering bring to neuroscience?"	
10:45-12:00 Room Y04-G-30	Symposium 2	"Generation, degeneration, preservation: the ways of vision" (Organized by C. Grimm) Botond Roska, FMI Basel: "The busy life of neural circuits in the retina" Yvan Arsenijevic, Univ. of Lausanne: "Epigenetic control of photoreceptor death" Cavit Agca, Univ. of Zurich: "The missing link in the degenerating retina: survival signals and cytokine regulation"	
12:00-12:30 Room Y24-G-45	SSN Business Meeting		

12:30-14:30	Poster session and Lunch		
14:30-15:45 Room Y04-G-30	Symposium 3	"Imaging the nervous system" (Organized by K. Stephan and F. Helmchen) Helge Ewers, ETH Zurich: "Seeing the forest, tree by tree - Single molecule localization-based superresolution microscopy" Florent Haiss, Univ. of Zurich: "Two-photon calcium imaging of neuronal population activity during frequency discrimination in the head fixed rodent". Christian Ruff, Univ. of Zurich: "Studying effective connectivity in the human brain with concurrent TMS-fMRI"	
14:30-15:45 Room Y24-G-45	Symposium 4	"Plasticity in Chronic Pain: Neurons, Astrocytes, and Microglia" (Organized by H.U. Zeilhofer) Jürgen Sandkühler, Univ. of Vienna: Glial-neuron interactions for LTP in spinal nociceptive pathways Marc Suter, Univ. of Lausanne: What links peripheral injury to spinal microglia? Thomas Nevian, Univ. of Bern: Plasticity of cortical neurons in neuropathic pain	
15:45-16:15	Coffee break		
16:15-17:15 Room Y04-G-45	Plenary lecture 2	Prof. J. Wood, University College London, UK "Mechanosensation, sodium channels and pain"	
17:15-18:15 Room Y24-G-45	Awards, Closing Remarks and Apero		
19:00-24:00	Dinner in ETH Main Building (For registered participants only)		