

Conferences/Meetings with cLabs Presentations (since 2002)

for a complete list of our conference participations since 2002 see

www.uni-marburg.de/physiology/braun

2005:

May 12 – 15, 2005, Oslo (Norway)

2nd InterNICHE Conference:

Alternatives in the Mainstream: Innovations in life science education and training.

Braun HA: *On Computer Simulation and the Link between Alternatives in Education and in Research.*
(invited talk)

Feb. 17-20, 2005, Göttingen (Germany)

6th Meeting of the German Neuroscience Society (NWG)

Braun HA, Schneider H, Wollweber B, Anthes N, Voigt K: *Virtual Neurophysiology Labs for Students' Practical Courses: cLabs-Neuron and cLabs-SkinSenses.*

Talke Ch, Schneider H, Braun HA, Voigt K: *Noradrenergic alpha-1 receptor mediated modulation of thermo-sensitive neurons in the rat hypothalamic paraventricular and supraoptic nuclei*

Wollweber BT, Schneider H, Voigt K, Braun HA: *Alcohol Effects on Firing Rate and Temperature-Sensitivity of Hypothalamic Neurons in Rat Brain Slices*

2004:

Jan. 27 - 29, 2004, Odense/Copenhagen, Denmark

Presentations of Multimedia Teaching Software

Braun HA: *Virtual versus Real Laboratories in Life-Science Education: Concepts and Experiences.*

Jan. 27: University of Southern Denmark, Odense

Jan. 28: KVL, the Royal Veterinary and Agricultural University, Copenhagen

Jan. 29: The Faculty of Health Sciences, The University of Copenhagen

March 14 – 17, 2004, Leipzig

Annual Meeting of the German Physiological Society

HA Braun, K Voigt, BT Wollweber, MT Huber: *Encoding of constant temperatures and temperature changes in cold- and electrosensitive skin receptors.*

HA Braun, H Schneider, BT Wollweber, CM Wang, K Voigt: *Virtual Current- and Voltage-Clamp Labs for Students' Practical Courses.*

BT Wollweber, H Schneider, CM Wang, K Voigt, HA Braun: *Triphasic Ethanol Effects on Hypothalamic Neurons Recorded in Rat Brain Slices*

Oct. 25 – Nov 03, 2004, Jiaotong University, Xi'an, China

Invited Lectures and Seminars at the Nonlinear Dynamics Institute, Jiaotong University, Xi'an

General Topic: *Imbalance of Nonlinear Feedback Systems: Oscillations, Chaos and Noise in Biological Functions.*

Oct. 27: *Overview on Electrophysiological Experiments and Computer Simulations: From Shark Electroreceptors to Mental Disorders*

Oct. 28: *Oscillations, Chaos and Noise: Basis of Flexible Neuronal Pattern Generation with Particular Neuromodulatory Properties.*

Nov. 01: *A Conceptual Approach to Neural Sensitisation and the Progression of Neuropsychiatric Disorders*

Nov. 02: *Concepts and Experiences with Computer Simulations for Teaching: The Virtual Physiology and cLabs Applications*

Nov. 16 – 17, 2004, Santiago di Cuba, Cuba

Second Caribbean and Latin American Workshop on Alternative Methods

Braun HA, Schneider H, Wollweber BT, Wang C, Huber MT, Hirsch MCh, Voigt K: *Computer Simulations in Life-Sciences for Education and Research: Concepts and Experiences.*

Schneider H, Wollweber BT, Wang C, Huber MT, Hirsch MCh, Voigt K, Braun HA: *Virtual Neurophysiology Labs: from Ion Channels to Compound Actions Potentials with cLabs-Neuron, SimPatch and SimNerv.*

2003:

July 10 - 15, 2003, Prague, Czech Republic

Sixth IBRO World Congress of Neuroscience

IBRO workshop "Neuroscience Education: Outreach"

Braun HA, Schneider H, Wollweber B, Voigt K: *cLabs-Neuron: Interactive Computer-Simulations for an Intuitive Understanding of Neuronal Dynamics.*

Oct. 7, 2003, Copenhagen, Denmark

Conference on Alternatives to Animals' Use in Education

Braun HA, Schneider H, Wollweber B, Wang CM, Voigt K: *Virtual Computer laboratories for practical physiology courses.*

Oct. 18-20, 2003, Warsaw, Poland

Workshop on Alternatives to the Use of Animals in Higher Education

Braun HA, Schneider H, Wang CM, Voigt K: *Virtual versus Real Laboratories in Life-Science Education: Concepts and Experiences.*

Nov. 08 - 12, 2003, New Orleans, USA

Annual Meeting of the Society for Neuroscience (SFN)

Braun HA, Schneider H, Wollweber BT, Wang C, Huber MT, Voigt K: *Students Exercises in Virtual Current- and Voltage-Clamp Labs.*

Braun HA, Voigt K, Wollweber BT, Huber MT: *Static and Dynamic Responses in Cold and Electrosensitive Skin Receptors. A Computer Modelling Study of Differential Encoding mechanisms.*

Huber MT, Braun HA: *Differential Encoding with Noisy Subthreshold Oscillating Neurons*

2002:

Feb. 19 – 23, 2002, Köln

Bildungsmesse

Braun HA, Schneider H, Wollweber B, Voigt K: *cLabs-Neuron: Neurobiologische Experimente im Computer Labor.*

March 15 – 19, 2002, Tübingen

Annual Meeting of the German Physiological Society

H.A. Braun, M.T. Huber, K. Voigt: *Indications of “chaotic” dynamics at tonic-to-bursting transitions in neuronal recordings and HH-type computer simulations.*

H.A. Braun, H. Schneider, B. Wollweber, K. Voigt: *Teaching principles of neuronal excitability in virtual computer laboratories (cLabs-Neuron).*

July 13 – 17, 2002, Paris, France

Forum of European Neuroscience (FENS),

H.A. Braun, H. Schneider, B. Wollweber, H.B. Braun, K. Voigt: *Voltage- and Patch-Clamp Experiments in Virtual Computer Laboratories (cLabs-Neuron).*

Sept. 19 – 20, 2002, Kyiv, Ukraine

Ukraine Conference of Animal Alternatives for Teaching

Braun HA, Schneider H, Wollweber B, Voigt K: *Virtual Computer Laboratories in Life-Science Education: Concepts, Experiences and Students Evaluation of „SimNerv“.*

Braun HA, Schneider H, Wollweber B, Voigt K: *Computer Laboratories for Teaching: Demonstrations and Exercises with the „Virtual Physiology“ and „cLABS“ Series.*

Nov. 02 - 07, 2002, Orlando, USA

31th Annual Meeting of the Society for Neuroscience (SFN)

H. Schneider, B. Wollweber, K. Voigt, H.A. Braun: *“cLabs-Neuron”: Teaching the Principles of Neuronal Excitability and Voltage-Clamp Experiments in Virtual Computer Laboratories.*

H.A. Braun, M.T. Huber, K. Voigt: *A Comparative Computer Modelling Study of Cold Transduction in Neuronal Cell Bodies and Sensory Nerve Endings.*

M.T. Huber, H.A. Braun, K. Voigt, J.-C. Krieg: *Episode sensitisation and disease progression in the course of recurrent affective disorders: a computer modelling study.*