



UMF
UNIVERSITATEA DE
MEDICINĂ ȘI FARMACIE
IULIU HATIEGANU
CLUJ-NAPOCA



FACULTY of MEDICINE
DEPARTMENT of
NEUROSCIENCES



THE SOCIETY FOR THE STUDY OF
NEUROPROTECTION AND
NEUROPLASTICITY



International
School of Neurology



Danube-University
Krems



Romanian Academy
of Medical Sciences

NeuroSeminars

Advances in brain protection and recovery

Department of Neurosciences
University of Medicine
and Pharmacy "Iuliu Hatieganu"
Cluj-Napoca | Romania

MARCH 20-21, 2014
"Cornel Oprisiu" Auditorium / UMF "Iuliu Hatieganu"
CLUJ-NAPOCA | ROMANIA

Welcome Address

It is a pleasure to welcome you on the 20th-21th of March 2014 to the 11th edition of this European Seminars of the Neurosciences Department, "Advances in brain protection and recovery", Faculty of Medicine, University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj-Napoca.

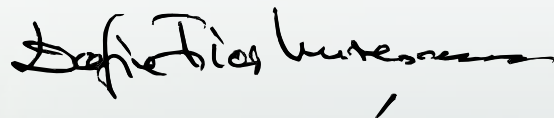
These seminars aim to establish a highly useful framework enabling local specialists to benefit from the expertise of our invited speakers who are part of associated international faculty of our Department of Neurosciences. Our goal is to flourish over years and set up an educational network tool meeting our junior and senior specialists' needs.

In contrast to large international conferences, the intention behind these seminars is to create an informal and intimate setting, which hopefully will stimulate open discussions. As organizers, we would therefore be deeply grateful if you participate and share your time with us.

We are looking forward to your active participation in this European educational event!

With consideration,

Prof. Dr. Dařin F. Mureřanu,
Chairman Department of Neurosciences, Faculty of Medicine,
University of Medicine and Pharmacy "Iuliu Hatieganu", Cluj Napoca, Romania



Dařin F. Mureřanu

Organizers



UMF
IULIU HAȚIEGANU
UNIVERSITY OF
MEDICINE AND PHARMACY
CLUJ-NAPOCA

University of Medicine and Pharmacy
"Iuliu Hatieganu", Cluj Napoca, Romania
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FACULTY of MEDICINE
DEPARTMENT of
NEUROSCIENCES

Faculty of Medicine
Department of Neurosciences
University of Medicine and Pharmacy
"Iuliu Hatieganu"
Cluj-Napoca, Romania



THE SOCIETY FOR THE STUDY OF
NEUROPROTECTION AND
NEUROPLASTICITY

The Society for the Study of
Neuroprotection and Neuroplasticity
www.ssnn.ro



**International
School of Neurology**

International School of Neurology



Danube-University
Krems

Danube-University Krems



**Academia de
Științe Medicale
din România**

Romanian Academy of Medical Sciences
www.adsm.ro



Speakers

EDUCATION:

- 1965 - 1972 Faculty of Medicine at the University Vienna
MD since (promotion on) 1972, June 6th
- 1972 - 1978 University Hospital for Neurology,
graduated in Medical Specialist for Neurology and Psychiatry
- 9/1982 Docent for neurology, a title corresponding to PhD
- since 1988 Professor for Neurology, University Vienna
founding member of the Austrian Society for
Neurorehabilitation
- 5/1989 Head of the Neurological Hospital
"Maria Theresien-Schlössel"
- 1994-2007 Head of Ludwig Boltzmann Institute for Restorative
Neurology and Neuromodulation
- Since 2008 Deputy Head of Landsteiner Institute for
Neurorehabilitation and Space Medicine
- since 2002 Head of the Neurological Center, Otto Wagner Hospital,
Vienna.
Main focus: Patients with severe neurological/
neuropsychological deficits and invasive neurorehabilitation

methods

currently

President of

- Austrian Society for Neurorehabilitation (OEGNR)
- European Federation NeuroRehabilitation Societies (EFNRS)

Member of

- Management Committee of the World Federation NeuroRehabilitation (WFNR)
- Managing Board of the International Danube Symposium
- Editorial Board of "Journal of Medicine and Life":

Chairman of

- Special Interest Group/WFNR "Spinal Cord Injury"
- Special Interest Group/WFNR "Early Rehabilitation"
- Scientific panel/EFNS "Brain recovery and Rehabilitation"
- Special Branch / International Danube Symposium: "NeuroRehabilitation"

Main topic of research: Neurorehabilitation, brain injury, spinal cord injury, vegetative state/ apallic syndrome (more than 140 publications)



HEINRICH
BINDER
/AUSTRIA

EDUCATION

1970-73 University of Sienna, Medicine, Sienna, Italy
1973-79 Technion Medical School, Hifa, Medicine, MD, 1979
Date of receiving specialixation certificate: 11 September, 1984
Title of Doctoral dissertation: Dextran 40 in acute ischemic stroke
Name of Supervisor: Dr. Jacob Vardi

FURTHER EDUCATION

1978-83 Tel-Aviv University, Sackler Faculty of Medicine, neurology (residence), Israeli Board certified in Neurology, 1983
1979-83 Tel-Aviv University, Sackler Faculty of Medicine, Post graduate studies in Neurology
1984-87 Sunnybrook Medical Center, University of Toronto, M.R.C stroke, Fellowship

ACADEMIC AND PROFESSIONAL EXPERIENCE

1982-1995 Tel-Aviv University, Neurology, instructor
1991-present European stroke Conference (ESC), Executive committee
1995-1999 Tel-Aviv University, Neurology, Senior lecturer
1995 Eliprodil CVD 715 clinical trial, Steering Committee
1995-1997 International Stroke Study (IST), Steering Committee
1995-1999 American Academy of Neurology, Member of the International Affairs Committee
1996 Asymptomatic Carotid Stenosis and Risk of Stroke(ACSRS), Advisory Committee
1996-present The Mediterranean Stroke Society (MSS), President
1996-2002 EFNS, Management Committee
1997-2009 Israeli Neurological Association, Secretary
1999-present Tel-Aviv University, Neurology, Associated Professor
2001- present European Society Neurosonology and Cerebral Hemodynamics (ESNCH) Executive committee
2005-present Neurosonolgy Research Group, Executive committee
2006-present European Master in Stroke Medicine, Member of faculty
2006-2008 NEST II clinical Trial, Steering Committee
2006-present SENTIS clinical Trial, Steering Committee
2006-present CASTA Trial, Steering Committee
2006-present Brainsgate clinical Trial, Steering Committee
2008- present World Stroke Association (WSO), Vice president
2009-present Israeli Neurological Association, Chairman
2009-present European Stroke Organization (ESO), Member on the board of directors
2010- NEST III clinical Trial, Steering Committee



**NATAN
BORNSTEIN
/ISRAEL**

Speakers

Education:

1. Secondary School I. Slavici Arad, Romania
2. Medical School: Facultatea de medicina si Farmacie I.M.F. Cluj- Napoca, Romania

Academical qualifications:

1. Dr. medic : I.M.F. Cluj Napoca 1981
2. German acknowledgement as Dr. med. 1987
3. Specialty qualification: Neurologist 1994
4. Further specialty qualification: Neurorehabilitationist 2001, Neurophysiologist 2002

Employment:

St. Mauritius Therapieklinik Meerbusch since 2002

Professional appointments, scientific activities:

1994-2002 Collaboration with the University of Essen in the field of plasticity after stroke, with an emphasis on the role of the cerebellum in motoric learning tasks
Since 2002 Collaboration with the University of Düsseldorf in the field of plasticity after stroke
2009 Collaboration with the Coma Science Group Liege/Belgium
2010 Collaboration with the Neuroradiology of the Wake University Winson- Salem U.S.A. in a study on network properties of DOC patients



**DANA
BOERING**
/GERMANY

László Csiba was born in 1952, Sajószentpéter, Hungary. Now he is the Chairman of Department of Neurology of University Debrecen and Chair of Board of Director's (European Stroke Organisation), President of European Society of Neurosonology and Cerebral Hemodynamics. He is the chair of European Cooperation Committee of EFNS.

His research interests are stroke and stroke-prone diseases, ultrasonic studies in cerebrovascular diseases and clinicopathological studies on cerebrovascular diseases. He published numerous papers on stroke and stroke-related diseases, associated editor of Frontiers on Stroke and member of editorial committee (Intern. J Stroke)



LASZLO CSIBA
/HUNGARY

Speakers

MEDICAL DIRECTOR

St. Mauritius Therapy Hospital Meerbusch

PERSONAL DATA

Born 25 July 1954

Married to Priv.-Doz. Dr. Kristina Müller, paediatric neurologist

MEDICAL CAREER

- 1973 - 1980 School, Universities of Düsseldorf and Freiburg; Elective in Neurology at
at Boston City Hospital, Boston, Mass.; National Hospital for Nervous Diseases, London
- since 1975 Junior researcher in the Department of Neuropsychology at the C. & O. Vogt Institute for Brain Research, Düsseldorf and the
Department of Neurology, Freiburg (Prof. R. Jung)
- 1980 - 1981 Research fellow in the Department of Neuropsychology (Prof. G. Grünewald) at the C. & O. Vogt Institute for Brain Research, Düsseldorf
- since 1981 Clinical training in the Department of Neurology (Prof. H.-J. Freund), Heinrich-Heine-University Düsseldorf
- since 1985 Senior registrar in the Department of Neurology, Heinrich-Heine-University Düsseldorf
- since 1987 Senior investigator for the German Research Council Special Task Force in Neurology at Heinrich-Heine-University (SFB 200 and SFB 194)
- 1987-2005 Medical director of the Neurological Therapy Center (NTC), Heinrich-Heine-University Düsseldorf
- since 1988 Board examiner for Neurology at the local examination board (Ärzttekammer Nordrhein)
- 1989-1997 Vice president of the German Society for Neurological Rehabilitation
- 1993 Habilitation in Neurology, Heinrich-Heine-University Düsseldorf
- since 1995 Board examiner for physical medicine and rehabilitation (Ärzttekammer Nordrhein)
- 1997-2005 Medical director of the Neurological Therapy Center, Cologne
- 1998-2004 President of the German Society for Neurological Rehabilitation
- since 2000 Medical director and head of neurology, St. Mauritius Therapy Hospital, Meerbusch
- since 2003 Secretary General World Federation for NeuroRehabilitation (WFNR)
- since 10/2004 Vice president of the German Society for Neurological Rehabilitation
- since 2005 Panel-Chairman Neurorehabilitation for European Federation Neurological Societies (EFNS)



**VOLKER
HÖMBERG**
/GERMANY

Muresanu Fior Dafin, MD, PhD, MBA, FANA, is the President of the Romanian Society of Neurology, Professor of Neurology, Chairman of the Neurosciences Department, University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj-Napoca, member of the Academy of Medical Sciences, Romania. He also acts as the President of the Society for the Study of Neuroprotection and Neuroplasticity. In these roles, he is involved as member of the faculty in international educational programs of European Master (i.e. European Master in Stroke Medicine, University of Krems), organizer and co-organizer of European and international schools and courses (International School of Neurology, European Stroke Organisation Summer School, Danubian Neurological Society Teaching Courses). His activity includes involvement in many clinical studies and research projects, memberships in the executive board of many national and international societies, participations as invited speaker in national and international congresses, a significant portfolio of scientific articles (77 papers indexed on Web of Knowledge-ISI) as well as contributions in monographs and books published by prestigious international publishing houses. In the last 7 years, he was also invited as speaker in over 200 scientific events both national and abroad. Prof. Dr. Muresanu has been honoured with the Faculty of Medicine, University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj-Napoca "Octavian Fodor Award" for the best scientific activity of the year 2010 and the 2009 Romanian Academy of Medical Sciences "Gheorghe Marinescu Award" for advanced contributions in Neuroprotection and Neuroplasticity.



**DAFIN F.
MUREȘANU
/ROMANIA**



Speakers

After completing his study of Medicine in Innsbruck, Austria, he was a resident in the speciality of Neurology at the University of Pavia, Italy, from 1978 to 1983. Further study in the specialization of Physical Medicine and Rehabilitation was completed in 1986.

From 1983 to 1995 Dr. Saltuari was Head of Department on the Neurology Ward IIS/IV at the University Clinic in Innsbruck, specializing in post-acute rehabilitation for stroke and brain-injury patients. During this period, eight physicians completed their residency in Neurorehabilitation under his tutelage

Dr. Saltuari introduced new rehabilitation techniques such as cortical facilitation in Austria and developed new therapeutic techniques, e.g. intrathecal application of Baclofen in patients with supraspinal spasticity.

The government of South Tyrol (Italy) appointed Dr. Saltuari in 1985 to the Commission for Development of National Laws for Rehabilitation.

From 1988-1995 he served as Director of Therapy (Physical, Occupational, and Speech Therapy) in the Department for Neurology in the University Clinic in Innsbruck.

In 1988 Dr. Saltuari was appointed as Medical Director of the School for Occupational Therapy, where he introduced new functional aspects to the educational course. He was active in the "Project Group for Neurological Rehabilitation", reporting to the government of Tyrol in 1992.

Between 1988 and 1995 he was Director of the Laboratory for Evoked Potentials at the University of Innsbruck.

In 1987 and in 1988 he was in residence for several months at Baylor College of Medicine in Houston, Texas. The main area of this research assignment was the treatment of spasticity and pain in hemiplegic and spinal cord injured patients, as well as the treatment of pain by techniques of restorative neurology.

In 1992 Dr. Saltuari was awarded the Venia legendi in Neurology with the theme "Baclofen in Spasticity", in which the efficacy of intrathecal application of Baclofen in cases of supraspinal spasticity was described for the first time.

Dr. Saltuari has been Medical Director of the Department of Neurology in the Hochzirl Hospital since 1995. He is also Vicepresident of the Austrian Neuromodulation Society – AUNS.)

Since 1988 he has been active in the further education for Physical Therapists in Neurorehabilitation at the Scientific Academy of Lower Austria. He was elected President of the Austrian Society for Neurorehabilitation in 2002 and is the actual Past-president.

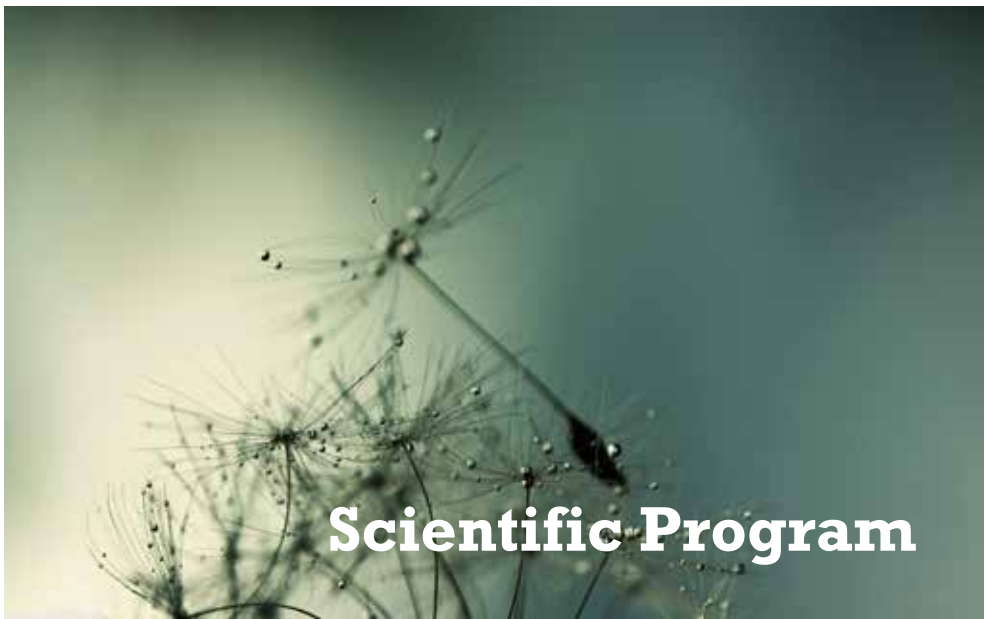
Dr. Saltuari has submitted over 200 publications dealing with neurorehabilitative subjects as well as with acute neurological topics.

Since 1986 Dr. Saltuari has been Lecturer for Neurorehabilitation and Evoked Potentials at the University for Medicine in Innsbruck and since 1995 on the staff of the Institute for Sport Science. Since October 2009 he is the Director of the Research Department for Neurorehabilitation South Tyrol, Bolzano, Italy.

Since 2012 Prof. Saltuari is member of the Editorial Board of Functional Neurology.



LEOPOLD
SALTUARI
/AUSTRIA



Scientific Program

Thursday, March 20th, 2014

“Cornel Oprisiu” Auditorium / UMF “Iuliu Hatieganu”

8 Victor Babeş Street

09:00 – 10:30

Natan Bornstein (Israel)
The heart’s effect on the brain.
Atrial fibrillation and stroke prevention-update

10:30 – 11:00

Coffee Break

11:00 – 12:30

Natan Bornstein (Israel)
Secondary stroke prevention

12:30 – 14:00

Natan Bornstein (Israel)
Management of symptomatic carotid stenosis - CEA vs. Stent

14:00 - 15:00

Lunch

15:00 – 16:30

Dafin F. Mureşanu (Romania)
Advances in brain protection and recovery, in acute
and long term stroke treatment

16:30 – 18:00

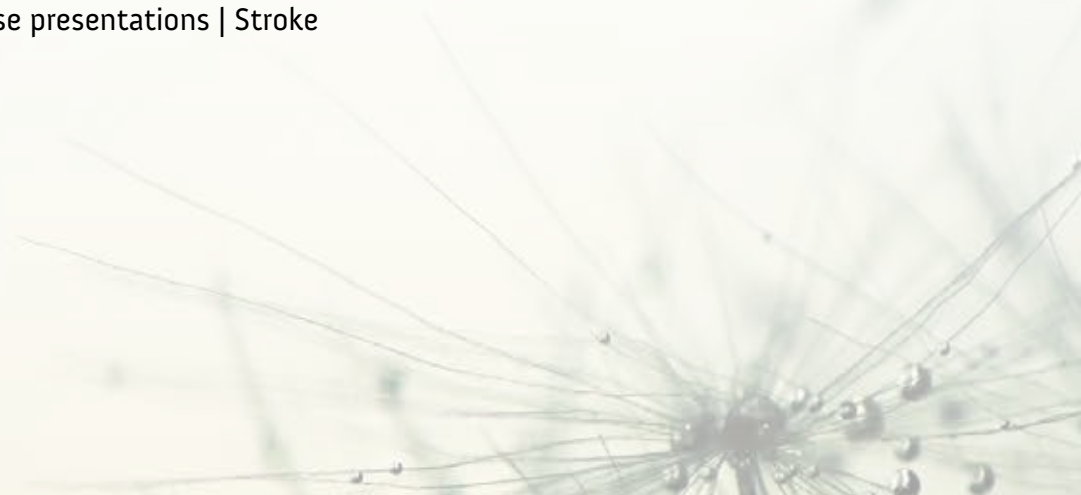
Laszlo Csiba (Hungary)
The revised and new recommendations of 2013
American Stroke Guideline

18:00 – 18:30

Coffee Break

18:30 – 20:30

Case presentations | Stroke



Friday, March 21th, 2014

“Cornel Oprisiu” Auditorium / UMF “Iuliu Hatieganu”

8 Victor Babeş Street

09:00 – 10:00

Volker Hömberg (Germany)
Clinical Examination

10:00 – 10:30

Coffee Break

10:30 – 11:30

Volker Hömberg (Germany)
Motor Rehabilitation: Physical Therapy

11:30 – 12:30

Volker Hömberg (Germany)
Motor Rehabilitation: Training Techniques

12:30 - 14:00

Lunch

14:00 – 15:00

Dana Boering (Germany)
Motor Assessments

15:00 – 16:00

Dana Boering (Germany)
Aiding Devices

16:00 – 16:30

Coffee Break

16:30 – 17:30

Heinrich Binder (Austria)
Basics of Motor Control

17:30 – 18:30

Leopold Saltuari (Austria)
Robotics

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