

The 53<sup>rd</sup> International Neuropsychiatric Pula Congress  
under the High Patronage of the President of Republic of Croatia

His Excellency Prof. dr. sci. Ivo Josipović

**Organizers**

INPC KURATORIUM  
DEPARTMENT OF MEDICAL SCIENCES – CROATIAN ACADEMY  
OF SCIENCES AND ARTS  
MEDICAL CENTER “AVIVA”, ZAGREB, CROATIA

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WORLD FEDERATION OF NEUROLOGY, APPLIED RESEARCH GROUP  
ON THE DELIVERY OF NEUROLOGY SERVICES  
INTERNATIONAL INTERDISCIPLINARY MEDICINE ASSOCIATION  
EUROPEAN PSYCHIATRIC ASSOCIATION  
CENTRAL AND EASTERN EUROPEAN STROKE SOCIETY

**Venue**

Hotels “Park Plaza Histria” & „Brioni“ - Pula, Croatia

FUTURE INTERNATIONAL NEUROPSYCHIATRIC PULA CONGRESS (INPC)

54<sup>th</sup> INPC: June 18 – 21, 2014

We would like to express our gratitude  
to all institutions and companies  
who made the 53<sup>rd</sup> International  
Neuropsychiatric Pula Congress possible:

Ministarstvo znanosti, obrazovanja i sporta  
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**South East European Society for Neurology and Psychiatry  
INTERNATIONAL NEUROPSYCHIATRIC PULA CONGRESSES**

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Honorary President: Boško Barac, MD, Ph.D. Professor of Neurology (ret), Schools of Medicine, Universities of Zagreb and Osijek. Pantovčak 102, HR-10000 Zagreb, Croatia • Phone & Fax: +385 1 48 222 97 • E-mail: [bosko.barac@gmail.com](mailto:bosko.barac@gmail.com)

# PROGRAM

## Wednesday June 19<sup>th</sup>

15:00 – 16:30 6<sup>th</sup> INTERNATIONAL EPILEPSY SYMPOSIUM IN PULA  
CONTROVERSIES IN THE MANAGEMENT OF EPILEPSIES

PP Histria - Executive B (Bianca Istriana)

*Chairperson:* Hrvoje Hećimović (Zagreb, Croatia)

H. Hećimović (Zagreb, Croatia), A PATHWAY TO EPILEPSY SURGERY

B. Lorber (Ljubljana, Slovenia), IS FREEDOM OF SEIZURES THE ONLY GOAL OF EPILEPSY SURGERY?

T. Sajko (Zagreb, Croatia), WHY IS EPILEPSY SURGERY BETTER OPTION IN PHARMACORESISTANT PATIENTS

S. Divošević (Zagreb, Croatia), PET IN PATIENTS WITH REFRACTORY TEMPORAL LOBE EPILEPSY - CONTRIBUTION TO SURGERY DECISION-MAKING

15:00 – 16:30 ZAKON O PSIHOTERAPIJI / LAW ON PSYCHOTHERAPY  
EDUCATIONAL SYMPOSIUM (in Croatian)

PP Histria - Executive A (Bianchera)

*Chairperson:* Jadran Morović (Zagreb, Croatia)

Tatjana Babić (Zagreb, Croatia), ZAKON O PSIHOTERAPIJI

Irena Bezić (Zagreb, Croatia), ZAKON O PSIHOTERAPIJI

Jadran Morović (Zagreb, Croatia), EUROPSKI KRITERIJI PSIHOTERAPIJSKIH EDUKACIJA

16:30 – 17:00 *COFFEE BREAK*

17:00 – 18:30 FORENZIČKA PSIHIJATRIJA / FORENSIC PSYCHIATRY  
EDUCATIONAL SYMPOSIUM (in Croatian)

PP Histria - Executive C (Belica)

*Chairpersons:* Vera Folnegović Šmalc (Zagreb, Croatia),

Đulijano Ljubičić (Rijeka, Croatia)

Đulijano Ljubičić (Rijeka, Croatia), PSIHIJATRIJSKA VJEŠTAČENJA – ZBIRKA EKSPERTIZA: SLUČAJ 8

Vesna Šendula Jengić (Rab, Croatia), LIJEČENJE NAKON LIJEČENJA – MEDICINSKA POGREŠKA ILI ETIČKI IMPERATIV

Palijan Žarković T., Varda R., Kovač M., Akik S. (Popovača, Croatia),

NARCISSISTIC PERSONALITY DISORDER IN FORENSIC PSYCHIATRY

Ćorić Špoljar R., Buljan Flander G., Kocijan Hercigonja D. (Zagreb, Croatia)

KLJUČNI ELEMENTI PRI PROCJENI RODITELJSKIH KOMPETENCIJA U VISOKOKONFLIKTNIM RAZVODIMA

Kocijan Hercigonja D., Buljan Flander G., Hercigonja Novković V. (Zagreb, Croatia),

VODE LI INSTITUCIJE DOVOLJNO BRIGE O NAJBOLJEM INTERESU DJETETA U VISOKOKONFLIKTNIM RAZVODIMA

Hercigonja Novković V., Buljan Flander G., Kocijan Hercigonja D. (Zagreb, Croatia),

KADA ODUZETI RODITELJSKO PRAVO

17:00 – 18:30 REHABILITACIJA – DEPRESIJA I BOL / REHABILITATION – DEPRESSION AND PAIN EDUCATIONAL SYMPOSIUM (in Croatian)

PP Histria - Executive A (Bianchera)

*Chairperson:* Silva Butković-Soldo (Osijek, Croatia)

Ivan Bielen (Zagreb, Croatia), MULTIDIMENZIONALNOST PATOFIZIOLOGIJE I LIJEČENJA KRONIČNE BOLI

Latica Friedrich (Zagreb, Croatia), PRIMJENA BIOFEEDBACK METODE U TRETMANU GLAVOBOLJA

Silva Butković-Soldo (Osijek, Croatia), KLINIČKI MODEL NEUROFEEDBACK TERAPIJE

Tomislav Pučić (Osijek, Croatia), PRIMJENA NEUROFEEDBACK TERAPIJE I SAVJETOVANJA U TRETMANU PACIJENATA S MIGRENSKIM GLAVOBOLJAMA

17:00 – 18:30 SYMPOSIUM COMMUNICATION AGAINST PAIN

PP Histria - Executive B (Bianca Istriana)

Veljko Đorđević (Zagreb, Croatia), INTRODUCTION

Marijana Braš (Zagreb, Croatia), Lovorka Brajković (Zagreb, Croatia),

THE ART OF COMMUNICATION SKILLS IN PERSON-CENTRED PAIN MENAGEMENT

Veljko Đorđević (Zagreb, Croatia), Peruško Bogdanić (Zagreb, Croatia),

Josip Baće (Zagreb, Croatia), Mladen Janjanin (Zagreb, Croatia), Borna Baletić (Zagreb, Croatia),

PROJECT COMMUNICATION AGAINST PAIN

19:00 ACADEMIC LECTURE

PP Histria - Congress Hall (Ulika)

*Chairperson:* Francesco Benedetti (Milan, Italy)

Luigi Agnati (Modena, Italy), THE VOLUME TRANSMISSION MODE AND POTENTIAL CLINICAL IMPACT

SHORT PRESENTATION

Vartan Kurtcuoglu (Zürich, Switzerland), QUANTITATIVE VISUALIZATION OF CSF FLOW

20:00 WELCOME RECEPTION & PIANO CONCERT

PP Histria

## Thursday, June 20<sup>th</sup>

09:00 – 10:00 OPENING CEREMONY

PP Histria - Congress Hall (Ulika)

10:00 – 11:00 MAIN THEME: DEPRESSION AND PAIN: WHAT IS THE LINK?

PP Histria - Congress Hall (Ulika)

*Chairpersons:* Karl Bechter (Günzburg, Germany), Hans-Peter Kapfhammer (Graz, Austria), Lüder Deecke (Vienna, Austria),

Hans-Peter Kapfhammer (Graz, Austria), PAIN IN SOMATOFORM DISORDERS

Michael Noll-Hussong (Ulm, Germany), NEUROIMAGING IN SOMATOFORM PAIN DISORDER

11:00 – 11:30 *COFFEE BREAK*

11:00 – 12:30 Karl-Jürgen Bär (Jena, Germany), PAIN AND AUTONOMUS NERVOUS SYSTEM  
 Karl Bechter (Günzburg, Germany), PAIN AND DEPRESSION – COMMON  
 PSYCHONEUROIMMUNOLOGICAL PATHOMECHANISMS

12:30 – 14:00 *LUNCH BREAK*

14:00 – 16:30 MAIN THEME: DEPRESSION AND PAIN: WHAT IS THE LINK?

*Chairpersons:* Günther Lanner (Graz, Austria), Maja Relja (Zagreb, Croatia), Boško Barac  
 (Zagreb, Croatia),

Amos Korczyn (Tel Aviv, Israel), WHERE IS THE PAIN IN THE BRAIN?

Günther Lanner (Graz, Austria), CURRENT TREATMENT OF TRIGEMINAL NEURALGIA

Vida Demarin (Zagreb, Croatia), NEUROPLASTICITY AND PAIN

Maja Relja (Zagreb, Croatia), DEPRESSION AND PAIN IN PARKINSON'S DISEASE

Vanja Bašić Kes (Zagreb, Croatia), DEPRESSION AND PAIN IN MULTIPLE SCLEROSIS

16:30 – 17:00 *COFFEE BREAK*

17:00 – 18:00 Alexey Danilov (Moscow, Russia), MIGRENE IS NOT JUST A HEADACHE  
 Bojana Žvan (Ljubljana, Slovenia), THE HEADACHE MIGHT INDICATE A DEPRESSION  
 Zdravko Lacković (Zagreb, Croatia), BOTULINUM TOXIN, BRAIN AND PAIN

18:00 – 18:30 *COFFEE BREAK*

18:30 – 20:00 MEMORIAL SYMPOSIUM – PROF HANS HELMUT KORNHUBER

PP Histria - Congress Hall (Ulika)

*Chairpersons:* Vida Demarin (Zagreb, Croatia), Boško Barac (Zagreb, Croatia)

Lüder Deecke (Vienna, Austria), HANS HELMUT KORNHUBER – NEUROLOGIST –  
 ENGAGED CLINICIAN – NEUROPHYSIOLOGIST – SCIENTIST AND HUMANIST

Christiane Imhof (Ulm, Germany), Heiner Fangerau (Ulm, Germany), NEUROSCIENCE AND THE  
 BEREITSCHAFTSPOTENTIAL: CURRENT DEBATES ABOUT FREE WILL AND AUTONOMY

MEMORIAL SYMPOSIUM – PROF GERD HUBER

*Chairpersons:* Karl Bechter (Günzburg, Germany),  
 Bernhard Neundörfer (Nürnberg Germany)

Bernhard Bogerts (Magdeburg, Germany), PATHOMORPHOLOGY OF SCHIZOPHRENIA –  
 G. HUBER'S CONTRIBUTION

Joachim Klosterkötter (Köln, Germany), FROM BASIC SYMPTOMS TO PREDICTION  
 AND PREVENTION – G. HUBER'S CONTRIBUTION

21:00 *ISTRIAN ENO-GASTRONOMY EVENING*

PP Histria

**Friday, June 21<sup>th</sup>**

09:00 – 10:30 SYMPOSIUM: CSF SIGNALLING AND CSF BIOMARKERS

*PP Histria - Executive C (Belica)*

*Chairpersons:* Marion Schneider (Ulm, Germany), Marijan Klarica (Zagreb, Croatia),  
Karl Bechter (Günzburg, Germany)

Marijan Klarica (Zagreb, Croatia), DETERMINATION OF CSF PRODUCTION

Marion Schneider (Ulm, Germany), CELL TYPES AND MICROPARTICLE FORMATION  
IN THE CSF OF NEUROLOGICAL DISEASES

Vartan Kurtcuoglu (Zürich, Switzerland), CILIA DOMINATE NEAR VENTRICULAR  
WALL CEREBROSPINAL FLUID FLOW

09:00 – 10:30 2<sup>nd</sup> INTERFACE PROVIDERS IN NEUROREHABILITATION SYMPOSIUM IN PULA

*PP Histria - Executive B (Bianca Istriana)*

*Chairpersons:* Raphael Bene (Zagreb, Croatia), Natko Beck (Zagreb, Croatia)

Raphael Bene (Zagreb, Croatia), INTERFACE PROVIDERS IN NEUROREHABILITATION:  
FORM FEEDBACK TO FEEDFORWARD

Natko Beck (Zagreb, Croatia), FUTURE OF INTERFACE IMPLEMENTATIONS IN MEDICINE

Krešimir Ćosić (Zagreb, Croatia), MULTIMODALITY INTEGRATION IN INTERFACE  
PROVIDERS

Goran Džingalašević (Zagreb, Croatia), INTERFACE PROVIDERS IN ALTERNATIVE  
COMMUNICATION FOR CHILDREN WITH AUTISM SPECTRUM DISORDERS

10:30 – 11:00 *COFFEE BREAK*

11:00 – 12:30 SYMPOSIUM: MUSIC AND RHYTHM IN RESTORING THE BRAIN

*PP Histria - Executive B (Bianca Istriana)*

Vida Demarin (Zagreb, Croatia), REWIRING THE BRAIN WITH MUSIC

Raphael Bene (Zagreb, Croatia), RESTORING MOVEMENT WITH MUSIC

Natko Beck (Zagreb, Croatia), HEALING TINNITUS WITH MUSIC

Snježana Rucner (Zagreb, Croatia), CELLIST HEALING

13:00 – 15:00 *LUNCH BREAK*

15:00 – 16:00 ABBVIE SATELLITE SYMPOSIUM

ADVANCED TREATMENT OF PARKINSON'S DISEASE

*PP Histria - Congress Hall (Ulika)*

Vida Demarin (Zagreb, Croatia) – MODERATOR & INTRODUCTION

Maja Relja (Zagreb, Croatia), THERAPY OF ADVANCED PARKINSON'S DISEASE

Maja Trošt & Nina Župančič (Ljubljana, Slovenia), DUODOPA THERAPY  
IN PARKINSON'S DISEASE

16:00 – 16:30 *COFFEE BREAK*

16:30 – 18:00 POSTER SESSIONS

*PP Histria - Congress Hall (Ulika)*



16:30 – 18:00 DIAGNOSIS AND TREATMENT OF LOW BACK PAIN

PP Histria - Executive B (Bianca Istriana)

*Chairpersons:* Günther Lanner (Graz, Austria), Kurt Niederkorn (Graz, Austria)

Valeriu Culea (Graz, Austria), NEUROLOGICAL AND NEUROPHYSIOLOGICAL DIAGNOSIS

G. E. Klein (Graz, Austria), VERTEBROPLASTY AND FACETTE JOINT BLOCK

Michael Mokry (Graz, Austria), MINIMAL INVASIVE SURGERY

18:00 – 19:00 ELI LILLY SATELLITE SYMPOSIUM

DEPRESIJA BOLI: OD RANOG PREPOZNAVANJA DO OPORAVKA / DEPRESSION HURTS:  
FROM EARLY RECOGNITION TO RECOVERY

PP Histria - Congress Hall (Ulika)

18:00 – 18:20 Alma Mihaljević Peleš (Zagreb, Croatia), KAKO POSTIĆI REMISIJU I OPORAVAK KADA  
DEPRESIJA BOLI?

18:20 – 18:40 Goran Dodig (Split, Croatia), DEPRESIVNI BOLESNIK – AKTIVAN SUBJEKT U LIJEČENJU

18:40 – 19:00 Diskusija

19:30 KURATORIUM MEETING

PP Histria - Executive A (Bianchera)

21:00 *GALA DINNER* (Hotel Brioni)

### Saturday, June 22<sup>nd</sup>

09:00 – 10:30 JOINT MEETING WITH ALPS-ADRIA NEUROSCIENCE SECTION:  
DEBATE ON DIFFERENT THERAPEUTIC APPROACHES

PP Histria - Executive B (Bianca Istriana)

*Chairpersons:* Vida Demarin (Zagreb, Croatia), Leontino Battistin (Padova, Italy)

Trkanjec Zlatko (Zagreb, Croatia), MILD COGNITIVE IMPAIRMENT – DO WE HAVE  
TO TREAT IT?

Reinhold Schmidt (Graz, Austria), MILD COGNITIVE IMPAIRMENT – WHEN AND HOW  
TO TREAT IT?

Jelena Drulović (Belgrade, Serbia), HOW AND WHEN TO TREAT  
CLINICALLY ISOLATED SYNDROME (CIS)?

Ranko Stevanović (Zagreb, Croatia), TOTAL COST OF MS IN CROATIA

10:30 – 11:00 *COFFEE BREAK*

11:00 – 12:00 Kurt Niederkorn (Graz, Austria), SILENT BRAIN INFARCTION – HOW TO PREVENT  
AND TREAT THEM

Ana Czlonkowska (Warsaw, Poland), SSRI IN STROKE REHABILITATION

Karl Bechter (Günzburg, Germany), TREATMENT OF DEPRESSION WITH “OLD”  
(TRICYCLIC) ANTIDEPRESSANTS

Johannes Schröder (Heidelberg, Germany), TREATMENT OF DEPRESSION WITH “NEW”  
(SSRI) ANTIDEPRESSANTS

12:00 CLOSING CEREMONY

PP Histria - Congress Hall (Ulika)

53<sup>rd</sup> INTERNATIONAL NEUROPSYCHIATRIC PULA CONGRESS

European Psychopathology SummerSchool in Pula

19 - 22 June, 2013

Under the Patronage of the European Psychiatric Association



Interactive psychopathology presentations, including prepared presentations by the lecturers (teachers), discussions, and case presentations also by the participants, to the respective theme.

**THEMES**

Differential Diagnosis – Depression vs. Dementia, Evolutionary Psychiatry, Autonomous nervous system dysfunction and psychopathology, Basic symptoms in affective and schizophrenic disorders

*Chairpersons:* Karl Bechter (Günzburg/Ulm, Germany), Francesco Benedetti (Milano, Italy)

**WEDNESDAY, June 19, 2013**

PP Histria - Kino Hall

17:00 Johannes Schröder: Differential Diagnosis – Depression vs. Dementia

**FRIDAY, June 21, 2013**

PP Histria - Executive A (Bianchera)

12:30 - 13:30 Martin Brüne: Evolutionary Psychiatry

18:00 - 19:00 Karl-Jurgen Bär: Autonomous nervous system dysfunction and psychopathology

**SATURDAY, June 22, 2013**

PP Histria - Executive A (Bianchera)

09:00 - 10:00 Joachim Klosterkötter: Basic symptoms in affective and schizophrenic disorders

10:30 - 11:30 Francesco Benedetti: Brain imaging in dementia and in depression

## 1<sup>st</sup> PULA NEURO-INTERDISCIPLINARY SCHOOL

“Brain, mind and pain: multimodal (bio-psycho-social) approach to pain management”

19 - 22 June, 2013

UNDER THE PATRONAGE OF THE INTERNATIONAL  
INTERDISCIPLINARY MEDICINE ASSOCIATION

The 1<sup>st</sup> Pula Neuro-interdisciplinary School is a comprehensive interdisciplinary training opportunity not only for neurologists and psychiatrists, but also for primary care physicians and other medical specialists who meet pain patients in their daily clinical practice.

Participants of the school will develop their right hemisphere thinking through neuroesthetic elements of the school, will get the knowledge of healthy nutrition, will acquire techniques of communication with “difficult” patients and will be able to offer their patients skills of stress management that will increase the efficacy of pain management (of their patients).

The program of the school will include (accentuate on) the following main topics: Neurobiology and neuropsychology of pain, Neuroimaging of pain, Pain and addictions, Pain and nutrition, Neuroesthetics and pain, Psychopharmacology in pain management, Psychotherapy in pain management, Functional neurosurgery in pain management, Cyber therapy in pain management, Communication skills in pain management, Types of pain profoundly presented at the school: Headache, Neck and low back pain, fibromyalgia, painful bladder syndrome (interstitial cystitis), Irritable bowel syndrome, osteoarthritis, neuropathic pain (post stroke pain, phantom limb syndrome, diabetic neuropathy), etc.

## PROGRAM

### TUESDAY, June 18, 2013

18.00 – 19.00 OPENING CEREMONY

[PP Histria - Executive C \(Belica\)](#)

Vida Demarin (Zagreb, Croatia), THE ART OF HEADACHE MANAGEMENT THROUGH HISTORY

Alexey Danilov (Moscow, Russia), BIO-PSYCHO-SOCIAL MODEL OF PAIN

### WEDNESDAY, June 19, 2013

[PP Histria - Executive C \(Belica\)](#)

10.00 – 13.00 Alexey Danilov (Moscow, Russia), INTERACTIVE COURSE – THE ART OF HEADACHE MANAGEMENT

Audrey Craven (Dublin, Ireland), DOCTOR – PATIENT COMMUNICATION

Marijana Braš (Zagreb, Croatia), DOCTOR – PATIENT COMMUNICATION: THE KEY TO PATIENT CARE AND ADHERENCE

Veljko Đorđević (Zagreb, Croatia), PSYCHOTHERAPY IN PATIENTS WITH HEADACHE

Vladimira Vuletić (Zagreb, Croatia), MANAGEMENT OF NON-MOTOR (MAINLY PAINFUL) SYMPTOMS IN PATIENTS WITH EXTRAPYRAMIDAL DISORDERS

Elena Anisimova (Moscow, Russia), Anastasia Priscepa (Moscow, Russia), WORKSHOP – STRESS MANAGEMENT AS A BASIS FOR PAIN MANAGEMENT

13.00 – 14.30 [Lunch followed by group discussion on the topic of morning session](#)

14.30 – 16.30 Andrey Danilov (Moscow, Russia), BRAIN AND PAIN: FROM PAIN MECHANISMS TO PAIN MANAGEMENT (TO PHARMACOTHERAPY OF PAIN)

Andrey Danilov (Moscow, Russia), INTERACTIVE COURSE (MODULE) – BACK AND NECK PAIN

Sandra Morović (Zagreb, Croatia), PAIN AND FOOD – ISTRIAN (MEDITERRANEAN) DIET COMBATING PAIN

Leontino Battistin (Padova, Italy), NEUROIMAGING OF PAIN

16.30 – 17.00 [COFFEE BREAK](#)

17.00 – 18.30 SYMPOSIUM COMMUNICATION AGAINST PAIN

[PP Histria - Executive B \(Bianca Istriana\)](#)

Veljko Đorđević (Zagreb, Croatia), INTRODUCTION

Marijana Braš (Zagreb, Croatia), Lovorka Brajković (Zagreb, Croatia), THE ART OF COMMUNICATION SKILLS IN PERSON-CENTRED PAIN MANAGEMENT

Veljko Đorđević (Zagreb, Croatia), Peruško Bogdanić (Zagreb, Croatia), Josip Baće (Zagreb, Croatia),

Mladen Janjanin (Zagreb, Croatia), Borna Baletić (Zagreb, Croatia), PROJECT COMMUNICATION AGAINST PAIN

**THURSDAY, June 20, 2013**

10.00 – 12.30 DEPRESSION AND PAIN: WHAT IS THE LINK?

PP Histria - Congress Hall (Ulika)

*Chairperson:* Karl Bechter (Günzburg, Germany), Hans-Peter Kapfhammer (Graz, Austria), Lüder Deecke (Vienna, Austria)

Hans-Peter Kapfhammer (Graz, Austria), PAIN IN SOMATOFORM DISORDERS

Michael Noll-Hussong (Ulm, Germany), NEUROIMAGING IN SOMATOFORM PAIN DISORDER

Karl-Jürgen Bär (Jena, Germany), PAIN AND AUTONOMUS NERVOUS SYSTEM

Karl Bechter (Günzburg, Germany), PAIN AND DEPRESSION – COMMON PSYCHONEUROIMMUNOLOGICAL PATHOMECHANISMS

12.30 – 14.00 Lunch followed by discussion

14.00 – 18.00 DEPRESSION AND PAIN: WHAT IS THE LINK?

*Chairperson:* Günther Lanner (Graz, Austria), Maja Relja (Zagreb, Croatia), Boško Barac (Zagreb, Croatia)

Amos Korczyn (Tel Aviv, Israel), WHERE IS THE PAIN IN THE BRAIN?

Günther Lanner (Graz, Austria), CURRENT TREATMENT OF TRIGEMINAL NEURALGIA

Demarin Vida (Zagreb, Croatia), NEUROPLASTICITY AND PAIN

Maja Relja (Zagreb, Croatia), DEPRESSION AND PAIN IN PARKINSON'S DISEASE

Vanja Bašić-Kes (Zagreb, Croatia), DEPRESSION AND PAIN IN MULTIPLE SCLEROSIS

Alexey Danilov (Moscow, Russia), MIGRAINE IS NOT JUST A HEADACHE

Bojana Žvan (Ljubljana, Slovenia), THE HEADACHE MIGHT INDICATE DEPRESSION

Zdravko Lacković (Zagreb, Croatia), BOTULINUM TOXIN, BRAIN AND PAIN

**FRIDAY, June 21, 2013**09:00 – 10:30 2<sup>nd</sup> INTERFACE PROVIDERS IN NEUROREHABILITATION SYMPOSIUM IN PULA

PP Histria - Executive B (Bianca Istriana)

*Chairpersons:* Raphael Bene (Zagreb, Croatia), Natko Beck (Zagreb, Croatia)

Raphael Bene (Zagreb, Croatia), INTERFACE PROVIDERS IN NEUROREHABILITATION: FROM FEEDBACK TO FEEDFORWARD

Natko Beck (Zagreb, Croatia), FUTURE OF INTERFACE IMPLEMENTATIONS IN MEDICINE

Krešimir Ćosić (Zagreb, Croatia), MULTIMODALITY INTEGRATION IN INTERFACE PROVIDERS

Goran Džingalašević (Zagreb, Croatia), INTERFACE PROVIDERS IN ALTERNATIVE COMMUNICATION FOR CHILDREN WITH AUTISM SPECTRUM DISORDERS

11:00 – 12:30 MUSIC AND RHYTHM IN RESTORING THE BRAIN

PP Histria - Executive B (Bianca Istriana)

Vida Demarin (Zagreb, Croatia), REWIRING THE BRAIN WITH MUSIC

Raphael Bene (Zagreb, Croatia), RESTORING MOVEMENT WITH MUSIC

Natko Beck (Zagreb, Croatia), HEALING TINNITUS WITH MUSIC

Snježana Rucner (Zagreb, Croatia), CELLIST HEALING

12:30 – 13:00 DISCUSSION AND CLOSING REMARKS