PAVIA, MARCH 22-23 2013
Università degli Studi di Pavia

Acute and Chronic Pain
Where we are and where we have to go.
From bench to bedside
SIMPAR (Study in Multidisciplinary PAin Research) meeting represents a congress focused on acute and chronic pain therapy, whose main purpose is to increase the knowledge of basic research and clinical practice about this very important syndrome. Hence, with the presence of some of the most known scientists on this topic we would enforce the international sharing of experience and knowledge, creating common directions in pain management and research. The meeting purpose is to link bench to bedside and to optimize pharmacological and interventional therapies toward evidence based management of the fifth vital sign.

This feature will be reinforced in this fifth edition, in which with the contribution of some of the most known and important scientists in this field, we will discuss the “hot topics” that should help researchers and clinicians in succeeding to reach our goal: a even more personalized and effective pain therapy: New Pain perspectives focusing on the most appealing research trends in pain. We will discuss about optogenetic (a new technology to understand better pain mechanisms), research on hyperalgesia (discussing its pathophysiology and clinical implication) and new interventional pain management (discussing how nanotechnology could become the “new era” of pain therapy).

Opioids. Evidence based prediction for opioid use: bench and clinic, in order to deepen the knowledge of these analgesics by a multidisciplinary approach. The main purpose is to give to basic scientists new inputs for their researches and to clinicians a new approach in order to better manage these drugs improving their efficacy and minimizing side effects.

Chronic pain: From bench to diagnosis to treatment, focusing on different types of pain stressing and on which drugs and interventional treatments are more validated. The main purpose is to give to clinicians diagnostic and therapeutical “weapons”.

Regional anesthesia and analgesia: beyond pain control outcomes in order to understand the role of regional anesthesia and analgesia beyond pain management, in terms of improvement of patient outcome and quality of life focalizing our attention also on new therapeutical protocols (as NONA technique) or regional anesthesia techniques (as intrawound catheters and TAP blocks). The main purpose is to enforce the idea that Regional Anesthesia is not simply a technique to control pain but a perioperative technique to obtain a better patient recovery and outcome and to reduce chronic postoperative pain.

We hope that you will enjoy the meeting and we are looking forward to seeing you in Pavia!
Allegri Massimo
Amato Francesco
Asenjo J. Francisco
Baron Ralf
Belfer Inna
Benzoni Honorio
Bertini Laura
Bonci Antonello
Braschi Antonio
Bugada Dario
Carli Franco
Cata Juan Pablo
Cervero Fernando
Clark Michael R.
Crucchi Giorgio
Curatolo Michele
Danelli Giorgio
De Andrés José
De Gregori Manuela
De Gregori Simon
Desmeules Jules
Diatchenko Luda
Fanelli Andrea
Fanelli Guido
Fillingim Roger B.
Fini Massimo
Gharibo Christopher
Gottumukkala Vijaya

University of Pavia-Fondazione IRCCS Policlinico San Matteo, Pavia, Italy.
Cosenza Hospital, Cosenza, Italy.
McGill University Health Center, Montreal, Canada.
Universitas Medical Center Schleswig-Holstein, Kiel, Germany.
University of Pavia-Fondazione IRCCS Policlinico San Matteo, Pavia, Italy.
University of North Carolina, Chapel Hill, North Carolina, USA.
IRCCS Policlinico San Donato, Milan, Italy.
Lavand’homme Patricia
Linderoth Bengt
Maixner William
Mariano Edward R.
Melotti Rita
Minella Cristina E.
Mogil Jeffrey
Peng Philip
Pergolizzi Joseph
Puig Margarita
Raffa Robert B.
Raffaei William
Schmidt William
Schumacher Mark
Stein Christoph
Tacciotti Ennio
Taylor Robert
Urmey William
Van Buyten J. Pierre
FRIDAY 22 MARCH 2013
WORKSHOP DAY

OPioids Medical Workshop
Evidence Based Prediction for Opioid Use: Bench and Clinic
Manuela De Gregori, Luda Diatchenko, Inna Belfer

MORNING
Chairmen
9.30 - 10.00
Luda Diatchenko, Manuela De Gregori
Jeffrey Mogil
How animal model could teach us opioid activity and its genetic variability response

10.00 - 10.30
Richard H. Gracely
Endogenous opioid system driven placebo

10.30 - 11.00
Luda Diatchenko
Genetic Architecture of mu-Opioid Gene Locus and Responses to Opioids

11.00 - 11.30
Coffee Break Session
Jean Pierre Van Buyten
Peripheral Nerve Stimulation of the Occipital Nerves, A Proven Technology with Significant Advantages.

LATE MORNING
Chairmen
11.30 - 12.00
Michele Curatolo, Inna Belfer
Christoph Stein
Peripherally acting opioids and clinical implications for pain control

12.00 - 12.30
Pal Klepstad
Pharmacokinetics of opioids

12.30 - 1.00
Roger B. Fillingim
Male and female: differences in opioid response and pain perception

POSTER DISCUSSION
Juan Pablo Cata, Manuela De Gregori
Paolo Grossi
Michael R. Clark, José de Andrés
Cristina E. Minella

FRIDAY 22 MARCH 2013
WORKSHOP DAY

LUNCH SESSION
Maria Elena Clara
Anestesia e Rianimazione 3
A.O. Città della Salute e della Scienza di Torino
Post Operative Analgesia Customization in Major General Surgery. Technology to Support the Clinical Practice.

AFTErNOON
Chairmen
William Raffaeli, Pal Klepstad
Ralf Baron
Tapentadol: two mechanisms of action: a new pharmacological class on the horizon?

14.45 - 15.15
Massimo Allegri
Oxycodone and naloxone: a new combination for a better pain control

15.15 - 15.45
William Maixner
Theory of opioid tolerance

15.45 - 16.15
Jules Desmeules
Opioid rotation from theory to practice

16.30 - 17.30
Poster Discussion
Poster 1-12
Poster 13-23
**Friday 22 March 2013**

**Workshop Day**

## Chronic Pain Medical Workshop
**From Bench to Diagnosis to Treatment**
Cristina Ermanna Minella, Robert Taylor

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Topic</th>
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<tr>
<td>9.30-10.00</td>
<td>Christopher Gharibo, Michael R. Clark</td>
<td>Chronic pain: several underlying mechanisms that need multimodal approaches</td>
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<tr>
<td>10.00-10.30</td>
<td>Giorgio Cruccu</td>
<td>Neuropathic pain: a challenging entity with complex mechanisms</td>
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<td>10.30-11.00</td>
<td>Robert B. Raffa</td>
<td>Drug-drug combinations in the management of chronic pain</td>
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<tr>
<td>11.30-12.00</td>
<td>Mark Schumacher, Cristina Ermanna Minella</td>
<td>NSAI’d’s and acetaminophen: which role in chronic pain management?</td>
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<tr>
<td>12.00-12.30</td>
<td>Christopher Gharibo</td>
<td>Breakthrough Pain: how to effectively treat. New old drugs with different pharmacokinetic approaches</td>
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<tr>
<td>12.30-13.00</td>
<td>Ralf Baron</td>
<td>Localized neuropathic pain and topical therapeutical approach</td>
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<td>Maria Elena Clara, Anesthesia e Rianimazione 3</td>
<td>Post Operative Analgesia Customization in Major General Surgery. Technology to Support the Clinical Practice.</td>
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<tr>
<td>14.15-14.45</td>
<td>Alan B. Hurschman</td>
<td>Practical overview of interventional pain management techniques: “What the everyday interventionist needs to know.”</td>
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<td>14.45-15.15</td>
<td>Honorio Benzon</td>
<td>Radiofrequency in interventional pain management techniques: which is the evidence?</td>
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<tr>
<td>15.15-15.45</td>
<td>Jean Pierre Van Buyten</td>
<td>Spinal cord stimulation and new neuromodulation algorithms to pain</td>
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<td>15.45-16.15</td>
<td>Bengt Linderoth</td>
<td>Pharmacological enhancement of spinal stimulation</td>
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<tr>
<td>16.30-17.00</td>
<td>Poster Discussion</td>
<td>Poster 1-12, Poster 13-23</td>
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**Poster Discussion**
Cristina Ermanna Minella, José de Andrés, Michael R. Clark
FRIDAY 22 MARCH 2013
WORKSHOP DAY

REGIONAL ANESTHESIA AND ANALGESIA MEDICAL WORKSHOP
BEYOND PAIN CONTROL OUTCOMES
Dario Bugada, Juan Pablo Cata

REGIONAL ANESTHESIA AND OUTCOME

MORNING
CHAIRMEN

9.30 - 10.00
Marc Huntoon
Regional Anesthesia: Why must I choose it?

Juan Pablo Cata
Regional anesthesia-analgesia and immunological effects

10.00 - 10.30
Regional anesthesia and cancer recurrence. Is there any clinical evidence?

COFFEE BREAK SESSION

11.00 - 11.30

LATE MORNING
CHAIRMEN

11.30 - 12.00
Patricia Lavand’homme, Giorgio Danelli

Franco Carli
Role of regional anesthesia in fast track surgery. Beyond the pain

Edward Mariano
Ultrasound block in regional anesthesia: what is the evidence?

12.00 - 12.30
Vijaya Gottumukkala
NONA technique: rational, results and perspectives

12.30 - 13.00

FRIDAY 22 MARCH 2013
WORKSHOP DAY

LUNCH SESSION

13.00 - 14.15
Maria Elena Clara
Anestesia e Rianimazione 3
A.O. Città della Salute e della Scienza di Torino
Post Operative Analgesia Customization in Major General Surgery. Technology to Support the Clinical Practice.

REGIONAL ANESTHESIA AND ANALGESIA: TOO MANY TECHNIQUES, DIFFERENT OUTCOMES

PRO CON: SEEKING THE GOLD STANDARD: IS THERE AN ALTERNATIVE TO EPIDURAL BLOCK?
Juan Pablo Cata, Dario Bugada

Juan Francisco Asenjo
Paravertebral block

Juan Pablo Cata
TAP block

Patricia Lavand’homme
Intrawound catheter infusion

William Urmey
Peripheral nerve blocks

José de Andrés
Regional anesthesia and analgesia and mortality. Is this the real important outcome?

POSTER DISCUSSION

Juan Pablo Cata, Manuela De Gregori
Paolo Grossi
Michael R. Clark, José de Andrés
Cristina E. Minella
Opening Ceremony
17.30 – 18.00

Authorities Welcome
18.00 – 19.30

Lectio Magistralis
Fernando Cervero
IASP President
Pain: friend or foe? A Neurobiologic perspective

Marc Huntoon
Editor–In-Chief for Regional Anesthesia and Pain Medicine journal
Medical Publishing in Pain: Future Directions

Philip Peng
Associate Professor Department of Anesthesia, Toronto Western Hospital, University Health Network, University of Toronto, Ontario, Canada
Ultrasound and chronic pain: a new era?

Welcome Cocktail
19.30 – 20.30

Friday 22 March 2013

SIMPAR
Study in Multidisciplinary Pain Research
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<tr>
<td>9.30-10.00</td>
<td>Valutazione del dolore nei pazienti con lesioni cutanee</td>
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<tr>
<td>10.00-10.30</td>
<td>Metodi e strumenti per il monitoraggio del dolore</td>
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<tr>
<td>10.30-11.00</td>
<td>Monitorare il dolore nel paziente critico in rianimazione: documentare il quinto parametro vitale</td>
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<tr>
<td>11.00</td>
<td>COFFEE BREAK SESSION</td>
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<tr>
<td>11.30-12.00</td>
<td>Somministrare la terapia antalgica</td>
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<tr>
<td>12.00-12.30</td>
<td>Il processo di valutazione del problema dolore nell’anziano</td>
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<tr>
<td>12.30-13.00</td>
<td>Il triage infermieristico in emergenza e in calamità naturale: valutazione del dolore</td>
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<tr>
<td>13.00</td>
<td>LUNCH SESSION</td>
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<tr>
<td>14.00-14.30</td>
<td>La letteratura scientifica e il dolore in ambito infermieristico</td>
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<tr>
<td>14.30-15.15</td>
<td>La neuropsicologia del dolore</td>
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<tr>
<td>15.15-16.00</td>
<td>Aspetti fenomenologici dell’ansia e della depressione nel dolore</td>
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<tr>
<td>16.00-16.30</td>
<td>Una proposta di studio multicentrico</td>
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SUNDAY 23 MARCH 2013
PLENARY SESSION

FROM BENCH TO BEDSIDE
PAIN: NEW PERSPECTIVES

9.15 - 9.45
Fernando Cervero, Massimo Allegri

Antonello Bonci
Optogenetic to understand pain

Michele Curatolo
Altered central pain processing: current status of translational research

Ennio Tasciotti
Treating pain: a task force of engineers and anesthesiologists — nanotechnologies!

10.45
Coffee break session

11.00 - 11.30
Noemi Vicchio, Valeria Mossetti
Pediatric Anesthesiology and Intensive Care, A.O. Città della Salute e della Scienza, Torino, Italy.
Lidocaine and tetracaine patch: a new drug for procedural pain in children

ACUTE PAIN: A BETTER UNDERSTANDING FOR A COMPREHENSIVE MANAGEMENT

11.30 - 12.00
Andrea Fanelli, José de Andrés

Margarita Puig
Postoperative Latent Pain Sensitisation

Edward Mariano
How we can prolong at home postoperative analgesia

12.00 - 12.30
Mark Schumacher
Mechanisms of chronification of acute into chronic pain

12.30 - 13.00
Margarita Puig
Postoperative Latent Pain Sensitisation

Edward Mariano
How we can prolong at home postoperative analgesia

Mark Schumacher
Mechanisms of chronification of acute into chronic pain

13.00 - 14.15
Lunch session

Lorenzo Cobianchi
Surgeon, Fondazione IRCCS Policlinico San Matteo Pavia, Italy
Respiratory compromise: a new device for a better postoperative monitoring

Federica Janeke
Biomedical Engineer, European Product Director, Covidien
Can a single sensor make the difference?

CHRONIC PAIN: HOT TOPICS OF A CHALLENGING PROBLEM AFTERNOON

14.15 - 14.45
Massimo Fini
Pain in the elderly

14.45 - 15.15
Michael R. Clark
Centrally acting drugs and dependence circuits: clinical point of view

15.15
Discussion

15.30 - 15.45
Honorio Benzon
Steroids injections in chronic spinal pain: indications, effectiveness and safety

José de Andrés
Possibility of particulated steroids injection for selective root blocks in the cervical and lumbar regions: Anatomical study

15.45 - 16.00
Winner of Young researcher

Robin Christensen
The Parker Institute, Department of Rheumatology, Copenhagen University Hospital, Frederikssberg, Copenhagen F, Denmark
Survival on controlled-release (CR) Morphine versus CR Oxycodone in Opioid-naïve patients with non-malignant pain: data from danish national health registers
**Congress Venue**
Università degli Studi di Pavia

**Registration Fee**

**Medical Doctors**
- Only Plenary Session: €290.00
- Plenary Session + 1 Workshop: €470.00

**Residents**
Free

**Registration Fee**

**Scientific program, Proceedings in “Minerva Anestesiologica”, Welcome cocktail, Congress Bags, Coffee Breaks and Lunches.**

**Congress Website**
www.simpar.it

**CME Accreditation**

**5th SIMPAR Meeting** - Acute and Chronic Pain. Where we are and where we have to go. From “bench to bedside” was granted 10 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME).

The EACCME is an institution of the European Union of Medical Specialists (UEMS): www.uems.net

EACCME credits are recognized by the American Medical Association towards the Physician’s Recognition Award (PRA). To convert EACCME credit to AMA PRA Category 1 Credit™, contact the AMA or download the application for credit conversion at:

Royal College of Physicians and Surgeons of Canada The UEMS/EACCME has agreements based on the mutual recognition of credit points with the Royal College of Physicians and Surgeons of Canada for live educational events. You may submit your CME certificate directly for credit recognition of this accredited group learning activity (section 1) as defined by the Maintenance of Certification program of The Royal College of Physicians and Surgeons of Canada. For more information, visit:
www.royalcollege.ca

**Medical Doctors**: 9 credits
**Nurses**: 4 credits
**Psychologists**: 4 credits

**CME Accreditation Just for Italians**
March weather is notoriously capricious. However, days are getting longer and March 21st officially marks the start of spring and it’s not uncommon for late March weather to be warm and sunny. Temperature in March in Pavia are 20° max - 5°C min.

Pavia is a small town located in North Italy, 30 kms south of Milan. It is situated on the railway connecting Milano to Genova and very close to the highways connecting Milano to Genova (A7) and Torino to Piacenza (A21).

By plane
You can fly to one of Milan’s three airports: Linate (50 km from Pavia), Malpensa (90 km from Pavia) or Orio al Serio (70 km from Pavia). If you arrive to Linate airport, the cheapest and easiest way to reach Pavia is to take one of the direct shuttle buses. It takes 60 minutes. Look at the Timetable on http://www.migliavacabus.it/index.php/collegamenti-aeroporti

By train
You can buy the ticket on the bus. Alternatively, you can take a bus to Milan’s central railway station (Stazione Centrale) or a taxi, which is however an expensive choice. Both alternatives will take about 30 min. From Milan’s central railway station, you can take a train to Pavia. The Milan-Pavia train ride takes 30-40 min.

(If you arrive at Malpensa airport, you can take a train http://www.malpensalexpress.it that leaves every 30 minutes to Cadorna station in Milan (duration: 40 min). Cadorna station in Milan is on the same underground line as the Milan central station (green line).

From Milan’s central railway station you can take a train to Pavia. You can also take a Shuttle Bus to the Central Railway Station. Tickets can be bought in the Airporthal near the exits to the bus lines. (http://www.malpensashuttle.it) Taxis (an expensive option) are also available from Malpensa to Milan’s central station. If you arrive at Orio al Serio airport, you can take one of the 25 daily runs from 8.30 am to 12.30 pm direct to Milan’s central railway station. From Milan’s central station, you can take a train to Pavia. The Milan-Pavia train ride takes 30-40 minutes (http://www.trenitalia.it).
GENERAL INFORMATION

By train
Most European cities are connected to Milan’s central railway station by direct trains. You can take a train from Milan’s central station directly to Pavia (direction to Genova). The train ride from Milan to Pavia takes about 30-40 minutes. (http://www.trenitalia) for timetables and also to purchase tickets.

By car
You can take motorway A7 (pay toll), exiting at Bereguardo (Pavia North). You will find yourself on a free motorway that will take you straight to Pavia (10 km from Bereguardo). Follow the signs to Pavia centro / stazione and then for the University. A detailed map of Pavia is available here: http://www.comune.pv.it/cartine/mappa.htm

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