#### PRESIDENTS

ANTONIO BRASCHI GUIDO FANELLI

#### SCIENTIFIC COMMITTEE

MICHAEL R. CLARK
JOSÉ DE ANDRÉS
PABLO INGELMO
MASSIMO ALLEGRI

#### SCIENTIFIC ORGANIZING

DARIO BUGADA MANUELA DE GREGORI CRISTINA E. MINELLA



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 nanotechonolgy 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!

#### **FACULTY**

ALLEGRI MASSIMO

AMATO FRANCESCO

ASENJO J. FRANCISCO

BARON RALF

**BELFER INNA** 

BENZON HONORIO

BERTINI LAURA

**BONCI ANTONELLO** 

BRASCHI ANTONIO

BUGADA DARIO

CARLI FRANCO

CATA JUAN PABLO

CERVERO FERNANDO

CLARK MICHAEL R.

CRUCCU GIORGIO

CURATOLO MICHELE

DANELLI GIORGIO

DE ANDRÉS JOSÉ

DE GREGORI MANUELA

DE GREGORI SIMONA

**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.

Universitaetsklinkum Schleswig-Holstein, Kiel, Germany.

University of Pittsburgh, Pittsburgh, USA

Northwwestern University Feinberg School of Medicine (NUFSM),

Chigaco, USA.

Presidio S. Caterina della Rosa ASL, Rome, Italy.

National Institute on Drug Abuse, Baltimore, USA.

University of Pavia-Fondazione IRCCS Policlinico

San Matteo, Pavia, Italy.

Fondazione IRCCS Policlinico San Matteo, Pavia, Italy.

McGill University, Montreal, Quebec, Canada.

The University of Texas-MD Anderson Cancer Center, Houston, TX, USA.

McGill University, Montreal, Canada.

The Johns Hopkins Medical Institutions, Baltimore, USA.

University La Sapienza, Rome, Italy.

University of Bern, Switzerland.

Istituti Ospitalieri di Cremona, Cremona, Italy.

Valencia School of Medicine-Valencia General University Hospital,

Valencia, Spain.

Fondazione IRCCS Policlinico San Matteo, Pavia, Italy.

Fondazione IRCCS Policlinico San Matteo, Pavia, Italy,

Geneva University Hospitals, Geneva University, Switzerland.

University of North Carolina, Chapel Hill, North Carolina, USA.

Istituti Ospitalieri di Cremona, Cremona, Italy.

University of Parma, Italy.

University of Florida, Gainesville, Florida, USA.

San Raffaele La Pisana - Roma, Italy,

Johns Hopkins University, Baltimore, USA.

The University of Texas MD Anderson Cancer Center, Houston, USA.

#### FACULTY

GRACELY RICHARD H.

GROSSI PAOLO

HUNTOON MARC

HURSCHMAN ALAN B.

INGELMO PABLO

KLEPSTAD PAL

LAVAND'HOMME PATRICIA

LINDEROTH BENGT

MARIAND EDWARD R.

MELOTTI RITA

MINELLA CRISTINA E.

MOGIL JEFFREY

PENG PHILIP

PERGOLIZZI JOSEPH

Puig Margarita

RAFFA ROBERT B.

RAFFAELI WILLIAM

SCHMIDT WILLIAM

SCHUMACHER MARK

STEIN CHRISTOPH

TASCIOTTI ENNIO

TAYLOR ROBERT

URMEY WILLIAM

URMEY WILLIAM

VAN BUYTEN J. PIERRE

University of North Carolina, Chapel Hill, North Carolina, USA.

IRCCS Policlinico San Donato, Milan, Italy.

Vanderbilt University Medical Center, Nashville, USA.

Plaza Medical Center Fort Worth Texas and Health South

Rehabilitation Hospital Fort Worth, Texas, USA.

San Gerardo Hospital, Monza, Italy.

Norwegian University of Science and Technology,

Trondheim, Norway.

St Luc Hospital UCL Medical School, Brussels, Belgium.

Karolinska University Hospital-Karolinska Institutet,

Stockholm, Sweden.

University of North Carolina at Chapel Hill, North Carolina, USA.

Stanford University School of Medicine; VA Palo Alto Health

Care System, California, USA

University of Bologna, Italy.

Fondazione IRCCS Policlinico San Matteo, Pavia, Italy,

McGill University, Montreal, Canada,

Toronto Western Hospital, University Health Network,

University of Toronto, Ontario, Canada.

Johns Hopkins University, Baltimore, USA.

Hospital del Mar. Universidad Autonoma, Barcelona, Spain.

Temple University School of Pharmacy, Philadelphia, USA.

Fondazione ISAL University Hospital Parma, Italy.

CG Pharmaceuticals, Emeryville, CA, USA.

UCSF School of Medicine and medical Center San Francisco, USA.

Charité Campus Benjamin Franklin, Berlin, Germany.

The Methodist Hospital Research Institute, Houston, USA.

NEMA Research, Inc., Naples, Florida, USA.

Hospital for Special Surgery, Weill Medical College of Cornell

University, New York, USA.

AZ Nikolaas, Sint Niklaas, Belgium.

<u></u>
SIMPAR
STUDY IN MULTIDISCIPLINARY PAIN RESEARCH

# FRIDAY 22 MARCH 2013

WORKSHOP DAY



### FRIDAY 22 MARCH 2013

WORKSHOP DAY

OPIOIDS MEDICAL WORKSHOP
EVIDENCE BASED PREDICTION FOR
DEIDID LISE: BENCH AND CLINIC

MANUELA DE GREGORI, LUDA DIATCHENKO,

INNA BELFER

#### MORNING CHAIRMEN

9.30 -10.00

10.00 - 10.30

10.30 - 11.00

PRESIDENTS

LUDA DIATCHENKO, MANUELA DE GREGORI

JEFFREY MOGIL

How animal model could teach us opioid activity and its genetic variability response

RICHARD H. GRACELY

Endogenous opioid system driven placebo

LUDA DIATCHENKO

Genetic Architecture of mu-Opioid Gene Locus and Responses to Opioids

**COFFEE BREAK SESSION** 11.00 - 11.30

JEAN PIERRE VAN BUYTEN

Peripheral Nerve Stimulation of the Occipital Nerves. A Proven Technology with Significant Advantages.

ST. JUDE MEDICAL MORE CONTROL. LESS RISK.

### LATE MORNING CHAIRMEN

11.30 -12.00

12.00 - 12.30

12.30 - 1.00

MICHELE CURATOLO, INNA BELFER

CHRISTOPH STEIN

Peripherally acting opioids and clinical implications for pain control

PAL KLEPSTAD

Pharmacokinetics of opioids

ROGER B. FILLINGIM

Male and female: differences in opioid response and pain perception

13.00 - 14.15

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.

smiths medical

bringing technology to life

AFTERNOON

CHAIRMEN

14.15 - 14.45

14.45 - 15.15

15.15 - 15.45

15.45 - 16.15

16.30 - 17.30

MODERATORS

Poster 1-12

Poster 13-23

WILLIAM RAFFAELI, PAL KLEPSTAD

RALF BARON

Tapentadol: two mechanisms of action: a new pharmacological class on the horizon?

MASSIMO ALLEGRI

Oxycodone and naloxone: a new combination for a better pain control

WILLIAM MAIXNER

Theory of opioid tolerance

JULES DESMEULES

Opioid rotation from theory to practice

POSTER DISCUSSION

JUAN PABLO CATA, MANUELA DE GREGORI PAOLO GROSSI

MICHAEL R. CLARK, JOSÉ DE ANDRÉS

CRISTINA E. MINELLA

<u></u>
SIMPAR
STUDY IN MULTIDISCIPLINARY PAIN RESEARCH

# FRIDAY 22 MARCH 2013

WORKSHOP DAY



### FRIDAY 22 MARCH 2013

WORKSHOP DAY

CHRONIC PAIN MEDICAL WORKSHOP
FROM BENCH TO DIAGNOSIS TO TREATMENT

CRISTINA ERMANNA MINELLA, ROBERT TAYLOR

13.00 - 14.15

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.

smiths medical

bringing technology to life

MORNING CHAIRMEN

9.30 -10.00

10.00 - 10.30

10.30 - 11.00

11.00 - 11.30

PRESIDENTS

CHRISTOPHER GHARIBO, MICHAEL R. CLARK

CHRISTOPHER GHARIBO

Chronic pain: several underlying mechanisms that need multimodal approaches

GIORGIO CRUCCU

Neuropathic pain: a challenging entity with complex mechanisms

ROBERT B. RAFFA

Drug-drug combinations in the management of chronic pain

**COFFEE BREAK SESSION** 

JEAN PIERRE VAN BUYTEN

Peripheral Nerve Stimulation of the Occipital Nerves. A Proven Technology with Significant Advantages.



AFTERNOON CHAIRMEN

14.15 - 14.45

14.45 - 15.15

15.15 - 15.45

15.45 - 16.15

16.30 - 17.30 MODERATORS

Poster 1-12 Poster 13-23 PHILIP PENG, FRANCESCO AMATO

ALAN B. HURSCHMAN

Practical overview of interventional pain management techniques: "What the everyday interventionist needs to know."

HONORIO BENZON

Radiofrequency in interventional pain management techniques: which is the evidence?

JEAN PIERRE VAN BUYTEN

Spinal cord stimulation and new neuromodulation algorithms to pain

BENGT LINDEROTH

Pharmacological enhancement of spinal stimulation

POSTER DISCUSSION

JUAN PABLO CATA, MANUELA DE GREGORI PAOLO GROSSI

MICHAEL R. CLARK, JOSÉ DE ANDRÉS CRISTINA E. MINELLA

### LATE MORNING

CHAIRMEN

11.30 -12.00

12.00 - 12.30

12.30 - 13.00

MARK SCHUMACHER

CRISTINA ERMANNA MINELLA

WILLIAM SCHMIDT

NSAID's and acetaminophen: which role in chronic pain management?

CHRISTOPHER GHARIBO

Breakthrough Pain: how to effectively treat. New old drugs with different pharmacokinetic approaches

RALF BARON

Localized neuropathic pain and topical therapeuthical approach

<u></u>
SIMPAR
STUDY IN MULTIDISCIPLINARY PAIN RESEARCH

# FRIDAY 22 MARCH 2013 WORKSHOP DAY



# FRIDAY 22 MARCH 2013 WORKSHOP DAY

PRESIDENTS	REGIONAL ANESTHESIA AND ANALGESIA MEDICAL WORKSHOP BEYOND PAIN CONTROL OUTCOMES DARIO BUGADA, JUAN PABLO CATA					
	REGIONAL ANESTHESIA AND OUTCOME					
MORNING CHAIRMEN	DARIO BUGADA, EDWARD R. MARIANO					
9.30 -10.00	MARC HUNTOON Regional Anesthesia: Why must I choose it?					
10.00 -10.30	JUAN PABLO CATA Regional anesthesia-analgesia and immunological effects					
10.30 -11.00	Regional anesthesia and cancer recurrence. Is there any clinical evidence?					
11.00 - 11.30	JEAN PIERRE VAN BUYTEN Peripheral Nerve Stimulation of the Occipital Nerves, A Proven Technology with Significant Advantages.  St. Jude Medical:  More Control Less Risk.					
LATE MORNING						
CHAIRMEN	PATRICIA LAVAND'HOMME, GIORGIO DANELLI					
11.30 -12.00	FRANCO CARLI Role of regional anesthesia in fast track surgery. Beyond the pain					
12.00 -12.30	EDWARD MARIAND Ultrasound block in regional anesthesia: what is the evidence?					
12.30 -13.00	VIJAYA GOTTUMUKKALA					

NONA technique: rational, results and perspectives

13.00 - 14.15	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.				
	smiths medical bringing technology to life				
	REGIONAL ANESTHESIA AND ANALGESIA: TOO MANY TECHNIQUES, DIFFERENT OUTCOMES				
AFTERNOON	PRO CON: SEEKING THE GOLD STANDARD: IS THERE AN ALTERNATIVE TO EPIDURAL BLOCK?				
CHAIRMEN	JUAN PABLO CATA, DARIO BUGADA				
14.15 -14.40	Juan Francisco Asenjo Paravertebral block				
14.40 -15.05	JUAN PABLO CATA TAP block				
15.05 -15.30	PATRICIA LAVAND'HOMME Intrawound catheter infusion				
15.30 -15.55	WILLIAM URMEY Peripheral nerve blocks				
15.55 -16.25	José DE ANDRÉS Regional anesthesia and analgesia and mortality. Is this the real important outcome?				
16.30 -17.30	POSTER DISCUSSION				
MODERATORS	JUAN PABLO CATA, MANUELA DE GREGORI				

PAOLO GROSSI

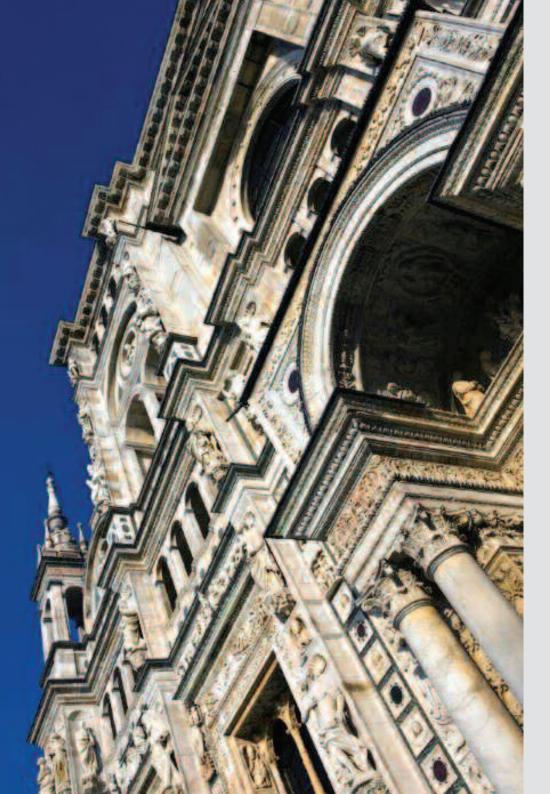
CRISTINA E. MINELLA

MICHAEL R. CLARK, JOSÉ DE ANDRÉS

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Poster 1-12

Poster 13-23





17.30 - 18.00

18.00 - 19.30

19.30 - 20.30

#### FRIDAY 22 MARCH 2013

#### **OPENING CEREMONY**

#### **AUTHORITIES WELCOME**

#### 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



FRIDAY 22 MARCH 2013 WORKSHOP DAY INFERMIERI

IL FUTURO DELLA PROFESSIONE **INFERMIERISTICA NELLA** GESTIONE DEL DOLORE

SALUTO AUTORITÀ

ANNA MARIA MASSARA, ENRICO FRISONE CRISTINA ARRIGONI

MATTINA MODERATORI 9.30-10.00 10.00-10.30

GIUSEPPE MENTEGARI, ATTILIO QUAINI ANDREA BELLINGERI Valutazione del dolore nei pazienti con lesioni cutanee

GIUSEPPINA ANELLI

Metodi e strumenti per il monitoraggio del dolore

SABINA GULINO 10.30-11.00

Monitorare il dolore nel paziente critico in rianimazione: documentare il quinto parametro vitale

11.00

COFFEE BREAK SESSION

11.30-12.00 MODERATORI

GIUSEPPINA GRUGNETTI,

Anna Maria Grugnetti, Attilio Quaini

GIUSEPPE MENTEGARI Somministrare la terapia antalgica

12.00-12.30

EUGENIA PELLEGRINO

Il processo di valutazione del problema dolore nell'anziano

12.30-13.00

ANTONIO MONTELEONE

Il triage infermieristico in emergenza e in calamità

naturale: valutazione del dolore

13.00

LUNCH SESSION

TARDA MATTINATA MODERATORI

EUGENIA PELLEGRINO, GIUSEPPE MENTEGARI

14.00-14.30

ANNA MARIA GRUGNETTI La letteratura scientifica e il dolore in ambito infermieristico

14.30-15.15

VALENTINA CASERIO La neuropsicologia del dolore

15.15-16.00

DIEGO E. LICCIONE

Aspetti fenomenologici dell'ansia e della depressione nel dolore

16.00-16.30

EUGENIA PELLEGRINO Una proposta di studio multicentrico





### SATURDAY 23 MARCH 2013

PLENARY SESSION



### SATURDAY 23 MARCH 2013

PLENARY SESSION

FROM	BEN	СН	TO	BE	DS	IDE
PAIN:	NEW	PE	RSF	EC	:TIV	/ES

MORNING CHAIRMEN

FERNANDO CERVERO, MASSIMO ALLEGRI

9.15 -9.45

ANTONELLO BONCI
Optogenetic to understand pain

9.45 - 10.15

10.15 - 10.45

11.00 - 11.30

.,...

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

DISCUSSION

**COFFEE BREAK SESSION** 

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

LATE MORNING

11.30 -12.00

12.00 - 12.30

ANDREA FANELLI, JOSÉ DE ANDRÉS

MARGARITA PUIG

Posotoperative Latent Pain Sensitisation

EDWARD MARIANO

How we can prolong at home postoperative analgesia

12.30 -13.00 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?

•

COVIDIEN

positive results for life

CHRONIC PAIN: HOT TOPICS OF A CHALLENGING PROBLEM AFTERNOON

AFTERNOON CHAIRMEN

14.15 -14.45

14.45 - 15.15

15.15

16.15

FRANCISCO J. ASENJO, ROBERT B. RAFFA

MASSIMO FINI

Pain in the elderly

MICHAEL R. CLARK

Centrally acting drugs and dependence circuits: clinical point of view

DISCUSSION

LATE AFTERNOON CHAIRMEN

15.30 - 15.45

15.45 -16.00

HONORIO BENZON

Steroids injections in chronic spinal pain: indications, effectiveness and safety

JOSÉ DE ANDRÉS

Possibility of particulated steroids injection for selective root

FRANCISCO J. ASENJO, PAOLO GROSSI

blocks in the cervical and lumbar regions: Anatomical study

WINNER OF YOUNG RESEARCHER

ROBIN CHRISTENSEN

The Parker Institute, Department of Rheumatology, Copenhagen University Hospital, Frederiksberg,

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

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### GENERAL INFORMATION

CONGRESS VENUE

REGISTRATION FEE

REGISTRATION FEE

CONGRESS WEBSITE

CME ACCREDITATION

Università degli Studi di Pavia

MEDICAL DOCTORS

Only Plenary Session
Plenary Session + 1 Workshop

RESIDENTS Free

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

€ 290,00

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www.simpar.it

**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<sup>TM</sup>, contact the AMA or download the application for credit conversion at:

www.ama-assn.org/resources/doc/cme/eaccme\_creditfrm.pdf

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 Psicologists: 4 credits

CME ACCREDITATION JUST FOR ITALIANS

#### **GENERAL INFORMATION**

CLIMATE

HOW TO REACH PAVIA

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).

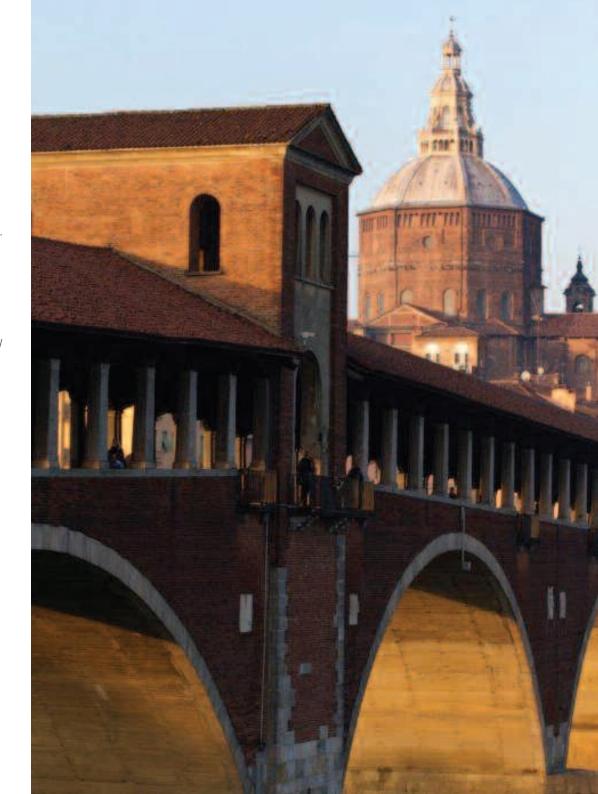
#### By plane

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.migliavaccabus.it/index.php/collegamenti-aeroporti

Look for MIGLIAVACCA buses platform (arrivals — exit no 7). 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. (http://www.trenitalia.it) If you arrive at Malpensa airport, you can take a train http://www.malpensaexpress.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 Airporthall 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

### Fedra Congressi

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ORGANIZING SECRETARIAT



