Sponsors
University of Calabria, Rende (Cosenza)
Department of Pharmacy, Health Science and Nutrition,
University of Calabria Rende, (Cosenza)
Calabria Region, (Catanzaro)
Bruno Farmaceutici S.p.A. (Rome)
Epitech Group S.p.A. (Padoa)

Meeting Venue
University Club at University of Calabria, Via Pietro Bucci
87036 Arcavacata di Rende, Cosenza. The International
Airport of Lametia Terme (Catanzaro) is 60 Km from the
University of Calabria. Further travelling information is
available on the web
(https://www.unical.it/portale/index.cfm).

Registration Fee
No fee is to be payed but a registration is needed to
attend the meeting and this should be sent to the
Scientific Secretariat.

Fellowships and Financial Assistance
A limited number of bursaries will be available upon
request for supporting young researchers (PhDs and Post-
Docs) attending the meeting. The request should be
submitted to the Scientific Secretariat.

https://pharmacologymeeting.wixsite.com/paintherapeutics

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Under the Auspices of
Italian Society of Pharmacology
Japanese Society of Pharmacology
Italian Society of Neurological Rehabilitation

A Collaborative Scientific Initiative of
The University of Calabria, Rende (Cosenza), Italy
The University Magna Graecia, Catanzaro, Italy
The Tohoku Medical and Pharmaceutical University,
Sendai, Japan
Daiichi University of Pharmacy, Fukuoka, Japan
Sant’Anna Institute for Neurological Rehabilitation,
Kroton, Italy

23rd-25th October, 2019
University Club, University of Calabria,
Rende, (Cosenza), Italy
Wednesday 23rd October, 2019
Afternoon 17.00 - 19.00

Opening Ceremony
Meeting rationale, Giacinto Bagetta (Cosenza)
Welcome address, Gino Miracole Crisci, Rector of the University of Calabria (Cosenza)
Welcome address, Maria Luisa Panno, Head of Department of Pharmacy, Science and Nutrition, University of Calabria (Cosenza)
Dr Giacomo Giovinazzo, General Manager, Department of Agriculture and Agrifood Resources, Handling Authority for PSR Calabria 2014-2020, Calabria Region (Catanzaro)
Avv. Ezio Pizzi, President of Unionberg & of Consortium for Protection of Bergamot (Reggio Calabria)

Opening Lectures
17.30 - 19.00
Chairpersons: Shinobu Sakurada (Sendai) / Giacinto Bagetta (Cosenza)
Hiroshi Nagase (Tsukuba) Design and synthesis of orexin receptor selective ligands and their pharmacology
Cristina Tassorelli (Pavia) At the edge of migraine therapy

Welcome Cocktail
Thursday 24th October, 2019
Morning Session 9.30 - 13.00

Basic Mechanisms of Pain
Chairpersons: Diana Amantea (Cosenza) / Makoto Inoue (Urbana-Champaign)
9.30 - 10.00 Stefania Ceruti (Milan) Purinergic mechanisms and elial cells
10.00 - 10.30 Oliver J Dolly (Dublin) SNAP-25 cleaving botulinum neurotoxins suppress cytokine-induced elevation of the surface content in DRGs of pain transducers, TRPV1 and /A1 channels
10.30 - 11.00 Sabatino Maione (Naples) Role of glutamate and endocannabinoids in the plastic changes associated with neuropathic pain

Coffee Break
Basic Mechanisms of Pain
Chairpersons: Luigi Antonio Morrone (Cosenza) / Tsukasa Sakurada (Fukuoka)

11.30 - 12.00 Shiro Kishioka (Wakayama) Peripheral administration of o4A2 nAChR agonist ameliorates neuropathic pain elicited by type 2 diabetes mellitus in mice
12.00 - 12.30 Kengo Hamamura (Fukuoka) Behavioural effects of continuous subcutaneous administration of bergamot essential oil in mice with partial sciatic nerve ligation
12.30 - 13.00 Alberto Chiarugi (Florence) Dextrapimexole blocks Na1.8 sodium channels and provides analgesia in multiple nociceptive and neuropathic pain models
13.00 - 15.00 Lunch Break and Poster Discussion

Afternoon Session 15.00 - 18.30
Inflammation and Pain
Chairpersons: Laura Berliocchi (Catanzaro) / Kosuke Aritake (Fukuoka)
15.00 - 15.30 Hirokazu Mizoguchi (Sendai) Management of morphine-resistant inflammatory pain
15.30 - 16.00 Tomonori Kaiju (Sendai) A glycosylation enzyme ameliorates experimental autoimmune encephalomyelitis through increasing ligand for an inhibitory C-type lectin receptor
16.00 - 16.30 Makoto Inoue (Urbana-Champaign) The role of extra gonad-derived estrogen in neuroinflammation in multiple sclerosis mouse model

Coffee Break
Histamine in Pain and Itch
Chairpersons: Patrizio Blandina (Florence) / Shinobu Sakurada (Sendai)
17.00 - 17.30 Tadahiro Nakamura (Sendai) Behavioral changes related to increased brain histamine
17.30 - 18.00 Lorenzo di Cesare Mannelli (Florence) Histamine in pain modulation: a role for opioid tolerance management
18.00 - 18.30 Mariaconetta Durante (Florence) Cross-talk between histamine H4 receptor and A3 adenosine receptor on CD4+ T cells in resolution of neuropathic pain states

Friday 25th October, 2019
Morning Session 9.30 - 13.00

Translational Research
Chairpersons: Alberto Chiarugi (Florence) / Hirokazu Mizoguki (Sendai)
9.30 - 10.00 Giulia Magni (Milan) Purple corn extract as adjuvant therapy for the prevention and treatment of trigeminal pain
10.00 - 10.30 Serena Boccetta (Naples) Role of PEA in the hippocampal plasticity associated with neuropathic pain
10.30 - 11.00 Giovanni Appendino (Novara) Botanicals and Pain

Coffee Break
Translational Research
Chairpersons: Paolo Tonin (Kroton) / Hiroshi Nagase (Tsukuba)
11.30 - 12.00 Tatsuro Kohno (Sendai) Acetaminophen metabolite AM404 induces analgesia via TRPV1 receptors expressed on the c-fiber terminals in the spinal dorsal horn
12.00 - 12.30 Francesca Guida (Naples) Oral cannabidiol prevents allodynia and neurological dysfunctions in a mouse model of mild traumatic brain injury
12.30 - 13.00 Roberto Russo (Naples) TRPM8 modulators in pain perception
13.00 - 15.00 Lunch Break and Poster Discussion

Afternoon Session 15.00 - 18.30
Rehabilitation and Pain
Chairpersons: Giorgio Sandrini (Pavia) / Shiro Kishioka (Wakayama)
15.00 - 15.30 Roberto De Icco (Pavia) Vagus nerve stimulation and pain suppression in migraine
15.30 - 16.00 Francesco Riganello (Kroton) Role of the autonomic system in the vegetative status: from pain to consciousness
16.00 - 16.30 Gioria Sandrini (Pavia) Italian consensus conference on pain in neurorehabilitation: evidence and recommendations in dementia
16.30 - 17.00 Damiana Scuteri (Cosenza) Neuropsychiatric symptoms of dementia: role of pain and essential oil of bergamot as a novel therapeutic

Coffee Break
Future Perspectives in Pain Research
Chairpersons: Tatsuro Kohno (Sendai) / Oliver J Dolly (Dublin)
17.30 - 18.00 Kosuke Aritake (Fukuoka) Inhibitor for hematopoietic prostaglandin D synthase accelerates wound healing
18.00 - 18.30 Ernesto Fedele (Genoa) Modulation of glutamate release by presynaptic NMDA receptors as a functional model to investigate pain mechanisms
18.30 Closing Ceremony