

Sunday July 11, 2010

15.00 - 19.00 Registration

19.00 - 21.00 Reception

Monday July 12, 2010

08.30 Welcome/announcement

Plenary Lecture:

Professor Tomas Hökfelt (Stockholm, Sweden):

Multiple messenger systems: Focus on neuropeptides in pain.

Symposium: 09.30 - 10.30

Novel opioid peptide agonists and antagonists

Chairs: James Zadina & Aleksandra Misicka

Santi Spampinato: Interactions between atypical opioid agonists and MOR

Andrzej Lipkowski: Opioid-tachykinin chimeric peptides for chronic pain treatment

James Zadina: Novel opioid peptide derived agonists

Coffee-break 10.30 - 11.00

Symposium: 11.00 - 12.30

Transcription and epigenetics of opioid peptide genes

Chairs: Georgy Bakalkin and Li-Na Wei

Li-Na Wei: Epigenetic control of opioid receptor genes

Georgy Bakalkin: Differences in the regulation of the prodynorphin gene in human and animals

Jaques Drouin: Epigenetic aspects on POMC transcription

Hot topics/Discussion

Lunch 12.30 - 14.00

Symposium: 14.00 - 16.00

Ligand-directed Signaling and Functional Selectivity

Chairs: Lakshmi Devi & Brigitte Kieffer

Laura Bohn: Agonist-directed signaling of the serotonin 2A receptor

Stéphane Allouche: SK-N-BE cells : a human neuroblastoma cell line as a model for studying delta opioid receptors

Amynah Pradhan: Ligand-directed trafficking of the delta opioid receptor in vivo: two paths towards analgesic tolerance

Graciela Pineyro: Functional selectivity determines post-endocytic sorting and tolerance potential of delta opioid receptor (DOR) ligands

Hot topics/Discussion:

Coffee-break 16.00 - 16.30

Poster session 1: 16.30 - 19.00

Tuesday July 13, 2010

08.30 - 09.30

Plenary Lecture:

Professor Tony L Yaksh (UCSD, La Jolla, CA): Spinal opiates and analgesia - A real bench to bedside story

Symposium: 09.30 - 10.30

Opioids in neuropathic pain

Preclinical part

Chairs: Lei Yu & Hiroshi Ueda

Hiroshi Ueda: Epigenetic control of opioid receptor gene expression in neuropathic pain model.

Zsuzsanna Wiesenfeld-Hallin: Studies of anti-hyperalgesic effect of various opioids in a rat model of mononeuropathy.

Masahiro Ohsawa: Interaction with naloxone and substance P pathways in neuropathic pain

Coffee-break 10.30 - 11.00

Symposium: 11.00 - 12.30

Opioids in neuropathic pain
Clinical part

Chairs: Eija Kalso & Torsten Gordh

Torsten Gordh: Opioid sensitivity in chronic pain patients correlates with the expression level of opioid peptide systems.

Setsuro Ogawa: Use of opioid analgesics and its potential problem in patients with neuropathic pain.

Tomas Tölle: Functional magnetic resonance imaging to assess the effects of opioids on human brain

Inna Belfer : Genetic basis for individual variations in pain perception and the development of a chronic pain condition.

Hot topics/Discussion:

Lunch 12.30 - 14.00

Symposium: 14.00 - 16.00

Opioids & stem cell research - Recent progress in the stem cell biology and adult neurogenesis

Chairs: Minoru Narita and Kurt Hauser

Pamela Knapp: Opiates and HIV interact to alter CNS progenitor function in a stage-specific manner

Minuru Narita: Recent progress in the stem cell biology and adult neurogenesis related to drugs of abuse

Amelia Eisch: Adult hippocampal neurogenesis and opiates: implications for addiction

Hot topics/Discussion:

Coffee-break 16.00 - 16.30

Poster session 2: 16.30 - 19.00

Wednesday July 14, 2010

08.30 - 09.30

Founders Lecture:

Professor Masamichi Satoh (Hiroshima, Japan) (*Title forthcoming*)

Symposium: 09.30 - 10.30

Opioids, Incentive Drive and Habit

Chairs: Tony Shippenberg

Nigel T Maidment (Los Angeles, USA): Licking, liking and longing: opioid modulation of goal-directed actions

Agustin Zapata (Baltimore, USA): Kappa opioid receptors and cocaine seeking habits

A 3rd speaker will be added:

Coffee-break 10.30 - 11.00

Symposium : 11.0 - 12.30

Opioid addiction – Clinical aspects

Chairs: Claes Post and Mats Berglund

Johan Kakko: A stepped care strategy using Buprenorphine and methadone versus conventional methadone maintenance in heroin dependence: A stepped care strategy for the treatment of heroin addicts.

Mary Jeanne Kreek: Aspects on methylation of DNA of opioid receptor genes in heroin addicts.

A 3rd speaker will be added:

Hot topics/Discussion:

Lunch 12.30 - 13.00

Afternoon free

Thursday July 15, 2010

08.30 -09.30

Plenary Lecture:

Professor Dan Larhammar (Uppsala, Sweden): Opioid evolution

Symposium: 09.30 - 10.30

Opioids in alcohol addiction

Preclinical research

Chairs: Ingrid Nylander & Christine Gianoulakis:

Ingrid Nylander: The impact of early environmental factors on ethanol-induced effects on opioid peptides in adult male rats.

Christine Gianoulakis: Effects of ethanol on opioid peptide release in CNS regions related to addiction

A 3rd speaker will be added:

Coffee-break 10.30 - 11.00

Symposium: 11.00 - 12.30

Opioids in addiction to alcohol and central stimulants

Clinical research

Chairs: Mary Jeanne Kreek & Johan Franck

Karl Mann: The opioid system as a target for treating alcoholism.

Tanya Williams (New York, USA): Opioid peptide related genes and association with cocaine/alcohol co-dependence.

Johan Franck: The opioid receptor naltrexone attenuates the subjective effects of amphetamine in patients with amphetamine dependence.

Hot topics/Discussion:

Lunch 12.30 - 14.00

Symposium 8: 14.00 - 15.00

Endogenous opioids and addiction to gambling

Chair: Fred Nyberg

Mark Potenza: The neurobiology and genetics of impulse control disorders: relationships to drug addictions.

Sandra J Wallner-Liebman: Endogenous opioids in patients addictive to gambling

15.00 - 16.30 NIDA-symposium

Coffee-break 16.30 - 17.00

17.00 Business Meeting

19.30 Banquette dinner

Friday July 16, 2010

Symposium: 09.00 - 10.30

Opioids in neuroendocrinology – abuse of steroids

Chairs: Ruth Wood & Mathias Hallberg

Ingemar Thiblin: Violent crime and substance abuse: a medico-legal comparison between deceased users of anabolic androgenic steroids and abusers of illicit drugs.

Mathias Hallberg: Anabolic androgenic steroids and their molecular interaction with circuits mediating effects of alcohol and opioids

Ruth Wood: Interactions between androgens and rewarding behaviors in the adolescent brain – Testosterone self administration and impact on opioid and dopaminergic pathways

Coffee-break 10.30 - 11.00

Friday July 16, 2010

Symposium: 11.00 - 12.30

Opioid and cannabinoid interaction (joint session with the ICRS)

Chairs: Rafael Maldonado & Walter Fratta

Rafael Maldonado: Advances in the field of cannabinoid--opioid cross-talk.

Walter Fratta/Liana Fattore: Cannabis and reward – interaction with opioids

3rd speaker to be announced:

End of conference

Lunch 12.30 - 13.30

Program committee:

Fred Nyberg (Chair)

Members:

Lakshmi A Devy (USA, INRC President)

Georgy Bakalkin (Sweden)

Johan Franck (Sweden)

Eija Kalso (Finland)

Alexandra Misicka (Poland)

Minoru Narita (Japan)

Ingrid Nylander (Sweden)

Toni Shippenberg (USA)

Lei Yu (USA)

Local organizing

Fred Nyberg (Sweden)

Georgy Bakalkin (Sweden)

Johan Franck (Sweden)

Torsten Gordh (Sweden)

Mathias Hallberg Sweden)

Ingrid Nylander (Sweden)

Claes Post (Sweden)