

## Summary

Chronic pain is a major health care problem that affects some 30%-50% of the world population and almost 20% of the Europeans actually suffers from chronic or intermittent pain. Advancements in sensitization process have supported the development of drugs like gabapentin, highly effective in neuropathic pain. Treatment of severe pain relies on the use of opioids. Unfortunately, addiction, overdose and death from opioid prescriptions and the development of diversion and illicit activities still characterize opioid use; the latter disorders may stem from inappropriate prescription (see CDC guidelines for treatment of pain unrelated to cancer) and limited pharmacodynamic and safety characteristics of opioids. Higher prevalence of pain is registered in aging (over 65 patients) becoming more burdensome in dementia patients, where impaired communication capabilities makes pain underdiagnosed and undertreated. Unrelieved pain accounts for the development in 40 to 60% of these patients of neuropsychiatric symptoms of dementia (BPSDs) like agitation; this is managed through off label use of atypical antipsychotics increasing (approx 2 fold) the risk of mortality whilst Cochrane metanalyses of randomized clinical trials support the efficacy of some botanicals.



Nobile Collegio Chimico Farmaceutico

Universitas Aromatariorum Urbis

Novel Pain Therapeutics

Wednesday 30th October 2019, 20.00 hours

Via in Miranda, 10

00186 ROMA

Website: [nobilecollegio.it](http://nobilecollegio.it)



## Scientific Programme

### Honorary Presidents

Dr. Emilio Croce (Rome)  
Prof. Shinobu Sakurada (Sendai)

### Organizing Committee

Dr. Giuseppe Guaglianone (Rome)  
Dr. Domenico Monteleone (Rome)  
Prof. Luigi A. Morrone (Cosenza)

### Scientific Secretariat

Dr. Damiana Scuteri BPharm. PhD. (Cosenza)

**Prof. Shinobu Sakurada** (Sendai) Variable antinociceptive effects of narcotic analgesics on the morphine-resistant pain

**Prof. Shiro Kishioka** (Wakayama) Peripheral administration of  $\alpha 4\beta 2$  nAChR agonist ameliorates neuropathic pain elicited by type 2 diabetes mellitus in mice

**Prof. Hiroshi Nagase** (Tsukuba) Design and synthesis of orexin receptor selective ligands and their pharmacology

**Prof. Giacinto Bagetta** (Cosenza) New trend in pain treatment in dementia