

- ❖ Name & Designation : Mr. Pranav Prasoon, Ph.D. Student.
- ❖ Address : Dept. of Anotomy, AIIMS, New Delhi-29
- ❖ Name of the International Conference/ Seminar/Symposium/ Workshop : 15th World Congress on Pain-2014.
- ❖ Title of the abstract accepted : Expression of somatostatin and somatostatin receptor 2 is up-regulated in the rat spinal cord following hind paw incision.
- ❖ Date & Venue : 6-11th October 2014, Argentina.
- ❖ Money sanctioned : ₹ 1,00,000/-
- ❖ Money reimbursed : ₹ 88,542/-

Participation Report

❖ Organization of Conference

The International Conference on Pain is considered to be the world's premier international forum for information-exchange among basic and clinical pain scientist and attracts delegates from across the world and from every kind of social, economical and ethnic background. The 15th world congress on pain, 2014 took place at La convention centre, Buenos Aires, Argentina, between October 6th -12th October 2014.

The World Congress on Pain is the premier congress devoted to the research and treatment of pain. Every two years the Congress boasts a hearty program composed of refresher courses, plenary lectures, topical workshops and symposia, and poster presentations. The Scientific Program Committee determines the content and an esteemed faculty of experts from around the world conducts the session. A local arrangements Committee works with the congress secretariat and IASP to present reception, dinner, and other social events in keeping with the host city's culture

Participants from a total of 92 countries were participated in the conference in either of or all plenary sessions, topical workshops, symposia and poster presentation sessions according to their suitability. In total, 2500 Poster Presentations were presented in six days conference. Daily poster sessions were located in the Blue/ Green Pavilion. Each poster was on display for an entire day from 08:00 to 18:00.

❖ Academic Highlights of conference :

The aim of the 15th world Congress on Pain to provide a state-of-the-art overview of a wide range of topics in the area of pain. Also, provide a platform for researchers from different pain related disciplines to present findings of research and provide continuing education credits for clinicians. To allow delegates to participate in formal and informal discussion with international experts on pain management and pain research.

New Development Presented at the Training/Workshops: I presented papers, as Poster.

My presented a paper (ref.no.PT017) entitled "**EXPRESSION OF SOMATOSTATIN AND SOMATOSTATIN RECEPTOR 2 IS UP-REGULATED IN THE RAT SPINAL CORD FOLLOWING HIND PAW INCISION**" as poster presentation on 7th October, Tuesday in blue and green pavilion, at 3:15-4:15 pm. In Our study, we have investigated the changes in the expression of SST and SSTR2 in the spinal cord with nociceptive effect of SST. In our result, we have screening the somatostatin at the level of spinal cord and antinociceptive effect of SST. Somatostatin is a tetrapeptide, which is widely expressed in the mammalian central and peripheral nervous system. Though, SST has an inhibitory effect on inflammation and pain, intrathecal administration of SST elicits nociceptive behaviour like caudally directed biting, licking, and scratching. Despite these evidences towards the involvement of SST and SSTR2, there are no studies on their role in Brennan's hind paw incision model. We have showed first time role of somatostatin in preclinical model of postoperative pain. The results of our study indicate that SST and SSTR2 could be involved in nociceptive transmission, both at the peripheral as well as the spinal level, Its role in the periphery could have clinical relevance.

New Development resulting from the Training/Workshops: Delegates at IASP 2014 praised very much my works. My poster paper (ref. no.PT017) entitled “**EXPRESSION OF SOMATOSTATIN AND SOMATOSTATIN RECEPTOR 2 IS UP-REGULATED IN THE RAT SPINAL CORD FOLLOWING HIND PAW INCISION**” was the most praised by Dr. Srinivasa N.Raja, the chair of the Scientific Advisory Committee for the 15th World Congress on Pain, 2014 in Buenos Aires and I was offered for collaborative work and strongly suggested for publication.

Most of the scientist, research scholars and other delegate encouraged my poster presentation paper (ref. no. PT017) . Dr. Ashok kumar, Professor, UCMS, New Delhi, was very happy and satisfied with my poster presentation work and standard. He strongly suggested me to do publication of my work as soon as possible so that other could not publish works similar to my work before me.

Name of the Publication in case your work is recommended for publications: Paper will be published in neuropeptide Journal.

Participant’s contribution to the conference

Mr. Pranav Prasoon participated in the 15th world congress on pain, La Rural Convention Center, Buenos Aires, Argentina, and presented poster. The author presented a paper (ref. no- PT017) entitled “**EXPRESSION OF SOMATOSTATIN AND SOMATOSTATIN RECEPTOR 2 IS UP-REGULATED IN THE RAT SPINAL CORD FOLLOWING HIND PAW INCISION**” as an poster presentation on 7th October, Tuesday, in the Blue/Green Pavillion between 3:30-4:30 pm . This study decipher the role of somatostatin and its receptor in postoperative pain at the level of spinal cord and peripheral level. It has clinical relevance. Abstract is available online.