

Serotonin Club Newsletter: Silver Anniversary Meeting

SEROTONIN CLUB



ANNIVERSARY

**Montpellier France,
Faculty of Medicine,
July 10-12, 2012
Only a month away!!!**

The local organizing committee, composed of Joel Bockaert, Michel Hamon and Philippe Marin is in the final stages of organizing the meeting. The backbone of the meeting program is listed below. The NIDA travel awardees have been chosen and incorporated into the program as well. This year we have also instituted a new symposium called *Frontiers in Serotonin Research: Pioneers and Prodigies* chaired by current and former Page and Rapport lecturers. This session will occur just before the first poster session on Tuesday July 10th from 4:30 to 6:00 pm.

To see the entire program with all speakers including the travel awardees, please go to <http://www.serotoninclub.org/FinalProgram1.asp>

Dr. Elaine Sanders Bush will be giving the Page Lecture and Dr. Ewan Mylecharane the Rapport Lecture.

Meeting Schedule:

JULY 10, Tuesday

9:00-9:15 am Opening

9:15-10:15 am PAGE LECTURE – Dr. Elaine Sanders-Bush “**A life-long journey with serotonin: Then, now and the future**”

10:15-10:45 am Coffee break

10:45 am-12:45 pm Symposia 1: “**Regulation of 5-HT neurochemistry and behavior by unsuspected “villains”: Implications for psychiatric disorders and drug abuse.**”

Chair: Lynette C. Daws

12:45-2:00 pm LUNCH – (councillors/officers meeting)

2:00-4:00 pm Symposia 2: “**Putting the pieces together: Integrating Dopamine, serotonin, reward, and aversion.**”

Chair: John Neumaier

4:00-4:30 pm Coffee break

4:30- 6:00 pm “**Frontiers in Serotonin Research: Pioneers and Prodigies**”

Chairs: Page and Rapport lecturers past and present

6:30 -8:30 pm Poster session with wine and cheese

JULY 11, Wednesday

8:00-9:00 am RAPPORT LECTURE – Dr. Ewan Mylecharane “**Serotonin and the Australian connection: the science and the people**”

9:00- 9:30 am Coffee break

9:30-11:30 am Symposia 3: “**Serotonergic neurons and adaptive responses to emergency situations: a focus on autonomic and nociceptive systems.**”

Chair: Véronica Fabre

11:30 am-1:00 pm LUNCH

1:00 -3:00 pm Symposia 4: “**Multiple facets of serotonin: placenta, blood, bone connection.**”

Chair: Francine Côté

3:00-5:00 pm Symposia 5: “**New serotonin transporter redux 2012.**”

Chair: Kathryn A. Cunningham

5:00-5:30 pm Coffee break

5:30-7:30 pm Symposia 6: “**Serotonin in the cardiovascular system: New findings on an old transmitter.**”

Chair: Luc Maroteaux

Co- Chair: Stephanie Watts

7:45 pm Departure for Banquet

JULY 12, Thursday

8:30-10:30 am Symposia 7: “**New roles of 5-HT₆ receptor in neurodevelopmental and cognitive processes.**”

Chair: Joel Bockaert

Co- Chair: Mark Millan

8:30-10:30 am Symposia 8: “**The 5-HT₃ receptor system: therapeutic potential and advantages from novel ligands.**”

Chair: Nicholas Barnes

Co-Chair: Beate Niesler

10:30-11:00 am Coffee break

11:00 am-1:00pm Symposium 9: **“Recent advances in understanding the interaction between the glutamatergic and serotonergic systems.”**

Chair: Mark A. Geyer

Co-Chair: Adam Halberstadt

11:00 am-1:00 pm Symposia 10: **“Molecular genetics of serotonin neuron development, physiology, and pharmacology.”**

Chair: Evan Deneris

1:00-2:00 pm LUNCH

2:00-3:00 pm Business Meeting

3:00-5:00 pm Symposium 11: **“From ligand functional selectivity to brain region selectivity: Differential pharmacological targeting of serotonin system.”**

Chair: Adrian Newman-Tancredi

Co-Chair: Umberto Spampinato

3:00-5:00 pm Symposia 12: **“Ovarian sex steroids and serotonin function.”**

Chair: Alan Frazer

Departure

NIDA funded Travel Awardees – Congratulations!

1. Abigail Schindler, University of Washington, Seattle WA
2. Nathan Pentkowski, Arizona State University, Arizona
3. Marie-Eve Koué, University of Montreal, Montreal, Canada
4. Yusha (Katie) Liu, University of Washington, Seattle, WA
5. Rachael Brust, Harvard Medical School, Boston, MA
6. Madeleine King, University of Nottingham, Nottingham, UK
7. Nathalie Goodfellow, University of Toronto, Canada
8. Mariano Soiza-Reilly, Harvard Medical School, Boston, MA
9. Sebastian Fernandez, INSERM, Paris, France
10. Katrin Helmbold, RWTH Aachen University, Germany
11. Stephanie Altieri, Pennsylvania State University, University Park, PA
12. Deana Apple, University of Texas Health Science Center, San Antonio TX,
13. Daniel Huereca, Wayne State University School of Medicine, Detroit, MI
14. Sarah Swinford, University of Texas Medical Branch, Galveston, TX
15. Shane Thwaites, University of Melbourne, Australia

Information for Speakers and Poster presenters:

1. Talks should be 20-25 min, plus 5 min discussion. The chairs will be very strict about the timing of the talks.
2. Those Travel Awardees speaking in the Frontiers in Serotonin Research symposia will have 12 min talks with 5 min discussion.
3. The timing will be strictly enforced, because the entire meeting is very tight.
4. The equipment available in the lecture hall will be one Mac and one PC. Memory sticks can be used to transport your talk. The ideal situation is for you to bring your own computer, to prevent the introduction of viruses.

5. The information regarding the size of the poster boards is on the webpage under the abstract submission tab at the very bottom of the page. However here is the essential information: The space provided for each poster is 1.10m wide and 1.8m high. Mounting the posters will be easiest if prepared on a single sheet. Tape will be provided to affix the poster to the board.

Business Meeting for all attendees after lunch on Thursday – ALL ARE INVITED

1. Secretary/treasurer's report – Sheryl Beck
2. Call for nominations for councilors –
 - a. North America – 3 needed, but current councilors may also be nominated for a second term of 4 years
 - b. Europe – 4 needed
 - c. Rest of the World – 2 needed, 1 councilor may be nominated for re-election.
3. Announcement of New President and Vice Presidents
4. Ideas to increase membership in the club
5. Meeting to be held in South Africa in 2012
6. Increasing membership and councilor activity in Serotonin Club activities
 - a. Society for Neuroscience reception/dinner planning
 - b. "Special edition" publication following Serotonin Club meetings
 - c. Obtaining funding and sponsorship for future meetings
 - d. Increasing publicity regarding the club and its activities through social media
 - e. Organization of dinner at British Pharmacological Society meeting

Serotonin Club Silver Anniversary

On the event of the Silver Anniversary of the Serotonin Club, I thought the members would enjoy a little bit of historical information on how the Club was actually founded. The Serotonin Club was officially brought into being over dinner by a small group of serotonin researchers in Sydney, Australia on August 28th, 1987. This group gathered after a symposium on serotonin during the 10th International Union of Pharmacology Congress. Their objective was to form a professional society to promote scientific communication among serotonin researchers. At this meeting, the constitution of the club and the Officers of the club were officially elected. Dr. Paul Vanhoutte was President, Dr. Ray Fuller Vice President/North America, Prof. Pramod Saxena Vice President/Europe, Dr. Ewan Mylecharane Secretary/Treasurer. Please see the attached document at the end of the Newsletter for a more in-depth synopsis that will also appear in the program for the Montpellier meeting.

Facebook page

Remember we now have a Facebook page as well. Make sure you visit the site at www.facebook.com/pages/Serotonin-Club/170600399644105 and “like” the Club to join. Information about meetings, publications and pictures from previous meetings and the SfN dinners/receptions are posted. Any questions should be addressed to Adam Halberstadt at ahalberstadt@ucsd.edu.

Other Meetings of Interest:

Serotonin Club Meeting
Montpellier France
July 10-12, 2012
www.serotoninclub.org

EPHAR 2012
Granada, Spain
July 17-22, 2012
<http://www.ephar2012.org/>

FENS Forum of Neuroscience
July 14-18, 2012
Barcelona, Spain
www.fens2012.neurosciences.asso.fr

10th International Catecholamine Symposium (XICS)
September 9-13, 2012.
Pacific Grove, California
<http://10thintcatsymp.org/>

25th ECNP Congress
October 13-17, 2012.
Vienna, Austria
<http://www.ecnp.eu/Congress2012/ECNP%20Congress.aspx>

British Pharmacological Society Winter Meeting 2012
London, England
18–20 December 2012
<http://www.bps.ac.uk/meetings/BPSWinter>

World Congress of Basic and Clinical Pharmacology 2014
July 13-18, 2014
Cape Town, South Africa
www.iuphar2014.org

Join the Club – Renew your dues

Students who can document that they are still in their pre-doctoral training or in their first three years of postdoctoral training may pay only \$30/3 years in dues. Please have your current mentor send a letter documenting your current student status. Regular members pay \$60/3 years.

You can pay for your dues using a credit card at



Go to www.serotoninclub.org website and click on the link for Pay dues for instructions. If you are receiving this newsletter then you are already a member. We will contact you when it is time to renew. **PLEASE URGE YOUR COLLEAGUES AND STUDENTS TO JOIN!!!!** Those members whose membership is due for renewal in 2011/2012 will be contacted by Shatich Livingstone. You may also send a check for \$30 (student) or \$60 USD payable to the Serotonin Club directly to Sheryl Beck (address at end of newsletter).

Address change?

If you have changed your address send it now while you are thinking about it to: livingstonesa@email.chop.edu

All communications with members are now carried out via the internet so if we do not have your current e-mail address you risk losing all contact with the Club

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The Serotonin Club's Silver Anniversary

The Serotonin Club (www.serotoninclub.org) is an international association for biomedical scientists who are interested in research on any aspect of the neurotransmitter serotonin. Serotonin remains a key neurotransmitter that continues to be the focus for research important to substance abuse, pain, cardiovascular function, digestive processes, and mental health.

The Serotonin Club was brought into being over dinner by a small group of serotonin researchers in Sydney, Australia in 1987. This group gathered after a symposium on serotonin during the 10th International Union of Pharmacology Congress. Their objective was to form a professional society to promote scientific communication among serotonin researchers. The rapidly increasing interest in serotonin had resulted in much closer contacts between serotonin pharmacologists worldwide, and led Paul Vanhoutte in July 1985 to propose the formation of a serotonin club to a group of colleagues [1]. The officers of this new Serotonin Club were Paul Vanhoutte, president, Ray Fuller and Pramod Saxena, vice presidents, and Ewan Mylecharane secretary/treasurer. Councillors were Efrain Azmitia, Marlene Cohen, I.S. de la Lande, John Fozard, Richard Green, Patrick Humphrey, David Nelson, Elaine Sanders-Bush, N. Toda and JM Van Nueten.

In the early 1980s there was accumulating evidence for several subtypes of receptor for serotonin. However, there was little agreement on nomenclature and classification of these receptors. In 1984, a working group was formed to address the growing controversy. In 1986, PB Bradley and colleagues proposed a classification for serotonin receptors into three main groups, ie. 5-HT₁, 5-HT₂ and 5-HT₃ receptors [2]. This initial framework for classification served as a template that was later expanded to accommodate subsequent discoveries. Because of the complexity of the serotonin field, the Serotonin Club established its own nomenclature committee very early on. Eventually, the basic principles and guidelines developed for the classification of a sometimes seemingly overwhelming number of serotonin receptor subtypes served as a template adopted by the entire field of pharmacology, and led to the creation of the IUPHAR Committee on Receptor Nomenclature and Drug Classification (www.iuphar.org/nciuphar.html) [3].

This year marks the 25th anniversary of the Serotonin Club. This dynamic research society has grown and currently has a membership of over 450 persons. The Serotonin Club sponsors an international meeting on serotonin every other year, appropriate for such a rapidly developing scientific field. These meetings bring together the best in serotonin scientists from academia and industry, junior and senior investigators, and are often official satellite meetings to IUPHAR, or the Federation of European Pharmacological Societies (EPHAR). As the field advances, the Serotonin Club continues to promote the work of young investigators, future leaders in serotonin research.

1. Green AR, Marsden CA and Mylecharane EJ. (2008) The Serotonin Club: coming of age. *Trends Pharmacol Sci* 29:431-432.
2. Bradley PB, Engel G, Feniuk W, Fozard JR, Humphrey PP, Middlemiss DN, Mylecharane EJ, Richardson BP, Saxena PR. (1986) Proposals for the classification

and nomenclature of functional receptors for 5-hydroxytryptamine. *Neuropharmacology* 25:563-576.

3. Hoyer D, Clarke DE, Fozard JR, Hartig PR, Martin GR, Mylecharane EJ, Saxena PR, Humphrey PP. (1994) International Union of Pharmacology classification of receptors for 5-hydroxytryptamine (Serotonin). *Pharmacol Rev.* 46:157-203.