

Newsletter

A word from...

Many of you will have attended our 19th biennial ISSR meeting in Cork, Ireland in July and I want to begin with an enormous thank you to the local organising committee for all their hard work, which ensured this was such a success. Notably 188 people registered for the meeting coming from 25 different countries and as far away as New Zealand. There were 84 poster presentations and 14 symposia all of which were incredibly informative and topical, although some ran on Irish time. The three plenary lectures were superb quality and the social programme ensured our usual convivial but vital scientific interactions occurred throughout the meeting. Behind-the-scenes several members of Council and the LOC raised financial support from 17 sponsors enabling the Society to run the meeting on budget while also providing attendance support for 14 pioneers and prodigies (postgraduates and post-docs) to give excellent talks (see the award photo later). Notes from the post-meeting survey are also included in this Newsletter, from which it is clear that the event delivered high quality science and opportunities of social interaction between members that the ISSR strives to maintain. While at the meeting we ran a short Council meeting (picture in this newsletter) to address any issues and in particular discuss potential venues and organisers for future meetings. I am delighted to say that we have a firm offer from Harald Sitte for the 2022 meeting to be held in Vienna and the survey clearly supports this as a favoured option. For the 2020 meeting Council has discussed a number of options but the survey showed there was no clear favourite. However, we are very excited about a recent offer to hold the meeting in Cancun and will inform you of the choice in the near future.

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The Cork meeting ended with a conference dinner in 'The Vertigo at Cork County Hall' where all our recognized trainees received their awards. The Society has one additional award, Honorary Lifetime Membership, which it can confer to a member in recognition of the contribution that the recipient has made to research in the field and the Society. It was also my honour to make this award to Daniel Hoyer at the closing ceremony and this newsletter contains a short article explaining why.

For some years Richard Green (Secretary/Treasurer, 1996-2003 and President 1994-6) has been the guardian of a variety of historical society documents. These include details of the formation of the Society, early membership lists, the first 80 newsletters, previous meeting and abstract books, and short research biographies 'Serotonin Notes' that were written by famous serotonologists of the time, none of which are available in electronic form. We have managed to persuade the Wellcome Trust to act as a safe repository for these documents in their 'Wellcome Collection'. Hopefully in time this material might become digitised and available to anyone interested.

It is with great sadness that we have heard that John Fozard passed away on Friday 28 September, 2018 following a long illness. John was an active member of the 'Serotonin Club', being present at the inaugural meeting in Heron Island, a past member of Council, and joint organiser for the Serotonin Club meeting in Basel, 1990. His research work was pivotal to understanding the basic pharmacology of 5-HT_{1A}, 5-

HT₃ and 5-HT₄ receptors in particular. He was a wonderful man, excellent mentor and great friend of many of our members and he will be sadly missed.

It has been an enormous pleasure and privilege to serve as President for my favourite society. Working with the small but harmonious team of Officers has been a delight. In particular, I want to thank Lyn Daws who has worked tirelessly for the benefit of the Society and will be leaving her position in January. I also owe enormous gratitude to Kelly Berg (our Treasurer/Secretary) without whom I don't believe this role would be feasible. It was a delight to present her with a token of our appreciation at the conference dinner reception (see photo later). I will pass on the post of President to Anne Andrews in January and know you will give her the full support that I have received.

Thank you all.



ISSR President



ACS Chemical Neuroscience ISSR Special Issue

We at ACS Chemical Neuroscience are excited to announce the 4th installment of our Serotonin Research special issue series, in partnership with the International Society for Serotonin Research. Previous iterations of this special issue featured research Articles, Reviews, and Viewpoints from ISSR biennial meeting participants, as well as others, and have been highly read and cited:

<https://pubs.acs.org/toc/acncdm/4/1>

<https://pubs.acs.org/toc/acncdm/6/7>

<https://pubs.acs.org/toc/acncdm/8/5>

We invite you to submit to this year's ISSR special issue, "Serotonin Research 2018," edited by ACS Chemical Neuroscience Associate Editor Prof. Anne Andrews and guest editor Prof. Kathryn Cunningham. This issue will be broadly promoted and highlighted by ACS Chemical Neuroscience and the American Chemical Society. As we are a not-for-profit scientific society journal, there are no page, color, or figure charges to publish with us. At authors' discretion, we do offer a broad array of competitive open access options (<http://acsopenaccess.org/>). Additionally, ACS Chemical Neuroscience offers rapid peer review (submit-to-accept times average 7 weeks!) overseen by an expert editorial board of active research scientists <https://pubs.acs.org/page/acncdm/editors.html>.

We welcome the submission of original research Articles and Letters, as well as Reviews, Perspectives, and Viewpoints. A copy of our author guidelines and descriptions of the different manuscript types can be found here:

https://pubs.acs.org/paragonplus/submission/acncdm/acncdm_authguide.pdf

Ideas for submissions, which do not need to be directly related to content presented at the ISSR 2018 meeting, can be discussed in advance with Anne. We particularly welcome your ideas for Viewpoints that chart the future of the field. Ideas for cover art are also encouraged. If you have questions regarding formatting, guidelines, or the submission process, please do not hesitate to reach out to Alyson.

The deadline to submit is November 1, 2018. Accepted papers are published online, typically within 48 hours of finalizing page-proofs. The curated special issue will appear in March 2019.

You can submit your manuscript to ACS Chemical Neuroscience here:

<https://acs.manuscriptcentral.com/acs>. Please note that you will need to create an ACS ID if you do not already have one (completely free to do so) to log in and to submit. When submitting, please select "Serotonin Research 2018" from the special issue dropdown menu. This will tag your manuscript for the special issue and ensure expeditious processing and review.

We look forward to receiving your contributions for this special issue. Please feel free to distribute this invitation to others not involved with the ISSR who work in the field of Serotonin Research.

Anne M. Andrews, Ph.D.

ACS Chemical Neuroscience, Associate Editor

Alyson Weidman, Ph.D.

ACS Chemical Neuroscience, Managing Editor

The 8th Annual ISSR Mixer Neuroscience 2018

SAVE THE DATE!!!

When: Monday, November 5, 2018

Where: Strider's Sports Club

100 J Street, San Diego

*(located across from the Convention Center, next to the
Trolley Station)*

Time: 6:00- 8:30PM



Please join us for great food, tasty drinks and some friendly networking in the relaxing atmosphere of Strider's (<http://striders.com/>) downtown San Diego's premier sports lounge. Everyone is welcome – ISSR members and nonmembers - bring your friends and colleagues!

The cost is \$10 per person (payable in cash at the door) and includes two drink tickets and hearty appetizers. We thank ACS Chemical Neuroscience and San Diego Instruments for making this event possible with their generous sponsorship!

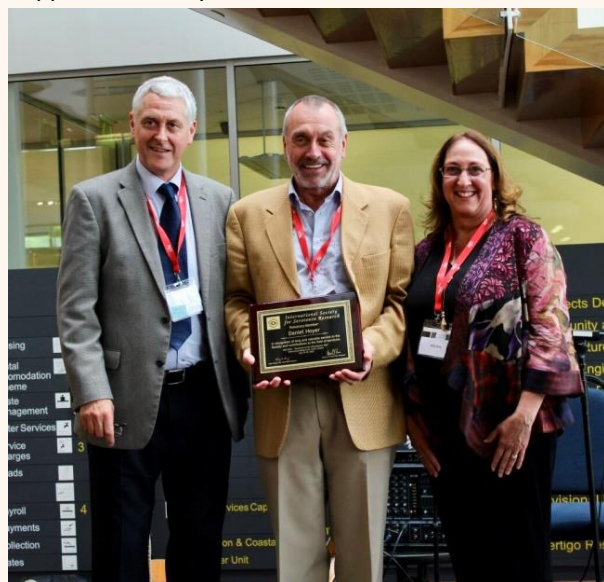
RSVP attendance for yourself and your guests by November 1 (2018) to berg@uthscsa.edu

ACS Chemical
Neuroscience



Daniel Hoyer ISSR Honorary Lifetime Member

During the final closing ceremony at Cork it was my great pleasure to award Daniel Hoyer an Honorary Lifetime Membership. The award is conferred in recognition of the contribution that the recipient has made to research in the field and the Society. Danny of course has done both in large measures. His seminal work has culminated in the current classification of serotonin receptors based on structure, function and signal transduction. His early work with radioligands identified the presynaptic location of 5-HT_{1B} receptors and the discovery of what was then called the 5-HT_{1C} receptor. He was also involved in the development of several selective 5-HT receptor agonists and antagonists that greatly advanced understanding of their functional role. His work moved into somatostatin, receptors and function but he never forgot his roots. In addition to his research on 5-HT he has shown enormous and continuous commitment to our society, serving as an officer and becoming President in 2002. He was also the recipient of the Rapport Plenary Award in Seattle in 2016.



Pictured: Dr. Kevin Fone (President), Dr. Daniel Hoyer,
and Dr Kelly Berg (Secretary/Treasurer).

Danny holds the Chair of Pharmacology & Head of the Department of Pharmacology and Therapeutics, Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne where he moved to in 2012. He obtained a PhD and DSc in Strasbourg before undertaking post-doctoral research at the University of Pennsylvania. He moved into cardiovascular research at Sandoz in 1983 before seeing the light and moving into the CNS division in 1989 and then on to Novartis. Danny has published over 340 papers that have received nearly 27,500 citations and has an h-index of 83. He has served at the scientific council of Institut Pasteur and on the Council and a Director of the British Pharmacological Society. He is currently a senior editor of Psychopharmacology, Naunyn Schmiedeberg's Archives of Pharmacology, Encyclopedia of Psychopharmacology and British Journal of Pharmacology. He has chaired the somatostatin and 5-HT receptor subcommittees of IUPHAR nomenclature committee and been President of the European Neuropeptide Club.

Given this resume I know you will agree with me that there could be no more deserved recipient of the Honorary Lifetime Membership award, in recognition of his contribution to The Society and the neurotransmitter. Despite all this the event nearly didn't happen, as Danny was completely unaware of it and may not have attended the meeting. We owe great thanks to Laura Jacobson both for convincing Danny to attend as usual, and keeping 'the secret'. It is not often that Danny is stuck for words! Congratulations from us all.

Kevin Fone
ISSR President

Dr. T. Lee Gilman, Inaugural Recipient of the Dennis Murphy Memorial Travel Award

The Dennis Murphy Memorial Travel Award was established to honor one of the true serotonin greats,

and advocate for young investigators. This award is given to the travel award applicant with the most accomplished track record of academic achievement for their career stage, and for their involvement in serotonin research. Dr. Gilman is most deserving of this inaugural award. Congratulations, Lee!



Pictured, Dr. Anne Andrews, Vice President – North American, Dr. T. Lee Gilman, and Dr. Kevin Fone, President.

ISSR Meeting Cork 2018 Simply unique

When you think this cannot get any better, then you experience your next ISSR meeting. This is my feeling after the ISSR meetings at Montpellier, then Seattle and now Cork. The amazing historical setting of the University College Cork combined with the never-ending excitement of learning about new discoveries around our favorite molecule, made Cork's experience simply stunning. On this occasion, together with another young researcher (Alvaro Garcia-Garcia from Columbia University), we had the great experience of chairing a symposium with an amazing line-up of serotoninologists (Alexandre, Susan and Mark, thank you again!). This is an example of one of the many opportunities that the ISSR gives to young researchers to support our career development.

Mariano Soiza-Reilly
*Junior Faculty, IFIBYNE-CONICET, Argentina
ISSR Associate Councilor*

ISSR Meeting Cork 2018 Mentors and Networking

Serotonin on the Wild Atlantic Way was a wonderful meeting full of networking events and groundbreaking science. One of my favorite moments was hearing Dr. Patricia Gaspar's plenary lecture, and references to her beloved French soccer team (who were playing for the World Cup during her lecture). Then afterward, everyone gathered in the nearby pub to watch the second half, and France win the World Cup! This was the first of many unifying moments during the conference. The opening reception followed in the beautiful Aula Maxima, and the first evening ended with an Irish style networking event for we trainees. UCC Young Scientists took us on a pub-crawl around Cork to five pubs, and I am delighted to report that I made it to all of them! Early the next morning was the Travel Award breakfast at the River Lee Hotel. Despite the pub-crawl the night before, I was there bright and early to network with other trainees as well as our designated mentors. Throughout the meeting, these assigned mentors helped the travel awardees network, provided feedback on their research, and gave valuable advice and insights into potential career paths. Next was my favorite symposia (though I could be biased), led by Drs. Harald Sitte and Lynette Daws, that discussed novel contributions of SERT and organic cation transporters (OCTs) to psychostimulant abuse. Lunch that day consisted of a trip to Blarney Castle. We had a lovely drive through the countryside and were able to explore the grounds surrounding the castle, including an incredible poison garden showcasing plants that are poisonous yet were once used for medicinal purposes. Dinner was on our own that evening and I accompanied Dr. Daws to dinner along with other meeting attendees from six different labs in three different countries. I had the privilege of sitting next to Drs. Daniel Hoyer and Laura Jacobson. Aside from discussing the importance of translational sciences (the proof is in the pudding, as Dr. Hoyer says!), I also had the pleasure of getting to know them and hearing about their time in France. It was inspiring to talk to such esteemed scientists. A highlight from the third day was the symposia led by Drs. Beate Niesler and Nicholas Barnes. It was interesting to learn about serotonin's role in gastrointestinal disorders however, the most invigorating part of the

symposia were the photos joking about explosive diarrhea. Never again will I think about gastrointestinal disorders the same way! The third evening was another Irish style networking event at the Franciscan Well Brewery complete with a tour of the brewery. Again, this offered another opportunity to network with fellow serotoninologists, and to drink Irish-made beer of course. The final day consisted of multiple talks regarding serotonin's role in plasticity. My favorite talk was from Dr. Massimo Paqualetti. He showed the developmental and functional diversity of serotonergic fibers in the postnatal mouse brain using confocal imaging and 3D-reconstruction. The level of detail was incredible! The final reception and awards took place at Vertigo and The Kingsley. This event was bittersweet to me, since it was the close of the meeting and time to say goodbye to old and new friends and colleagues. This is my second time attending an ISSR conference, and it has quickly become my favorite conference to attend. The collegiality of the conference makes networking much more accessible, particularly as a graduate student. All in all, it was an amazing and informative conference, and a whirlwind trip to Cork. It left me saturated with knowledge about serotonin research and a desire to return to Cork.

Melodi Bowman,
Graduate student, ISSR 2018 Travel Awardee
University of Texas, Health Science Center at San Antonio, USA



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on meetings, travel grants and
serotonin research around the globe

@5HT_Society

ISSR Meeting Cork 2018 Travel Awardees: Outstanding

Awardees sponsored by the Science Foundation Ireland, and the Biochemical Society, comprised an international group of students, and postdoctoral fellows, who were selected based on the quality of their scientific abstracts and their contributions to serotonin research relative to their career stage. Awardees were each assigned a seasoned serotoninologist as a mentor, and had many opportunities to network, including a Travel Awardee breakfast. Awardees spoke in one of three programmed Pioneers and Prodigies sessions. All awardees presented a poster. Every presentation from this talented group of rising stars in the serotonin field was top notch.



From left to right: Evgeny Ivashkin, John McCorvy, Charles Nichols*, Danilo De Gregorio, Felix Mayer, Ayesha Sengupta, Gregory Fink*, Meagan Quinlan, Melodi Bowman, T. Lee Gilman, Kyra Clarke*, Lauren Donovan, Chandan Behera†, Franziska Muller, Anouschka Ramsteijn, Raul Garcia, Broc Pagni, Faranak Vahid-Ansari. Unless noted, all travel awardees were sponsored by the Science Foundation Ireland. †Sponsored by the Biochemical Society. *Sponsored by the Molecular Pharmacology Division of the American Society for Pharmacology and Experimental Therapeutics (ASPET).



Meagan A. Quinlan, Florida Atlantic University, USA

"This year's conference in Cork was excellent, from all the symposiums to the trip to the Blarney castle, and everything in between. There were many great networking opportunities and a lot of engaging science. All in all a very valuable conference."



Melodi Bowman, University of Texas Health Science Center at San Antonio, USA

"The collegiality of the conference makes it easy to network and interact with fellow serotoninologists. The cutting edge research and fantastic social events makes it one of my favorite conferences."



Ayesha Sengupta, NIH/NIAAA, USA

"The ISSR meeting was the final presentation of my graduate work. It was an inspiring experience to be able to listen to and interact with so many of the eminent scientists cited in my thesis."



Raul Garcia, Arizona State University, USA

"Overall I had an amazing experience! Everyone at ISSR was welcoming and provided constructive feedback needed for developing into well-rounded serotonin researchers!"



T. Lee Gilman, University of Texas Health Science Center at San Antonio, USA

"The programming for ISSR 2018 was great because it helped me refine experimental ideas, discover terrific new colleagues, and experience the beauty of County Cork all in one meeting."



Chandan Behera, University of Ulster, UK

"It was a great experience meeting with so many researchers from my field, getting feedback from them about my work."

GoFundMe Dennis Murphy Memorial Awards

In December 2017, ISSR Vice President - North America, Dr. Anne M. Andrews, established a GoFundMe to honor the late Dr. Dennis L. Murphy. Dennis L. Murphy MD passed away unexpectedly on September 23, 2017. He was the former Chief of the Laboratory of Clinical Science at the National Institute of Mental Health.



Dennis's long and productive career focused on investigating serotonin in psychiatric disorders, including obsessive compulsive disorder, Tourette syndrome, anxiety and depression. We aim to endow permanent support for young investigators (graduate students, postdoctoral fellows, and assistant professors) to attend future meetings of the International Society for Serotonin Research. By contributing to this fund, to be managed by the International Society for Serotonin Research, you are honoring Dennis's legacy of supporting young scientists and enabling an enduring pipeline of new talent for serotonin research into the causes of and new treatments for mental health disorders. We need your help to sustain this very important, commemorative award, in honor of a true great in the serotonin field, and a true gentleman and scholar.

If you have not already done so, and wish to donate, please follow this link:
<https://www.gofundme.com/dennis-murphy-memorial-awards>

In memorial John Fozard

It is with great sadness that I must inform you that John Fozard has passed away on Friday September 28th, night during his sleep in Alsace after a long disease. We shall remember John as a dear friend, wonderful scientist, great mentor and a perfect gentleman.

Our thoughts are with Christine and John's family.



Daniel Hoyer
 ISSR Finance Committee

ISSR Survey Results

Thank you for responding to our recent survey. Here are some highlights of what you told us:

- Did the ISSR 2018 conference in Cork meet your expectations?**

Yes (96%), No (4%)

- What impact did the ISSR 2018 meeting have on your research activities?**

Stimulated collaborations with other attendees (67%); Generated new ideas for experiments (75%); Moved my research in new directions (17%); no effect (5 %)

- Your ratings of Program Content, venue and social/networking activities:**

	Outstanding	Excellent	Good	Fair	N/A
Overall content	33%	55%	9%	1%	
Organization	42%	44%	10%	1%	
Participant involvement	29%	53%	15%		
Venue	32%	47%	18%	2%	
Pace	23%	46%	23%	3%	
Regular Symposia	25%	51%	21%		
Special Session A: Gut-Brain-Microbiome	26%	25%	11%	1%	36%
Special Session B: 5-HT Receptor signaling/heteromer	19%	36%	13%	1%	31%
Travel Award Oral sessions	27%	42%	20%	5%	6%
Poster session	15%	35%	35%	9%	4%
Networking/Socials	42%	31%	18%	3%	6%
Opening Reception	26%	40%	16%	1%	17%
Closing Gala Reception/ Dinner	44%	29%	12%	2%	11%

Several of you commented that the poster session was too short and suggested we expand into two sessions for future meetings to allow for adequate viewing and facilitate interactions with poster presenters.

- Was the 2018 biennial meeting unique among others you've attended in past 1-2 years?**

Yes 73%; No 9%; 19% of respondents did not attend the meeting

- How Likely are you to attend future meetings of the ISSR?**

Absolutely 41%; Likely 47%; not sure 10%; Unlikely 2%

- The major reasons for not attending the 2018 biennial meeting:**

"Limited grant funds"; "Travel costs too high"; "Conflict with schedule"

- The locations where you would likely attend future meetings:**

Vienna, Austria (60%); Buenos Aires, Argentina (56%); Melbourne, Australia (53%) Cancun, Mexico (50%); San Diego, California (50%); Los Angeles, California (40%)

The Officers and Council Members are already hard at work planning ISSR 2020 - the responses and suggestions you have provided will be extremely useful as we continue to strive to improve the ISSR conference experience for everyone.

ISSR Meeting Cork 2018



Pictured: Standing (L-R) - Valerie Compan, Chuck Nichols, Danny Hoyer, Adam Halberstadt, Nick Barnes, Trevor Sharp, John Neumaier, Anne Andrews; Sitting (L-R) - Lyn Daws, Kevin Fone, Kelly Berg.



More photos of the Cork meeting can be found [here](#)

International Society for Serotonin Research (ISSR) Membership

Its not too late.....

Renew your 2017-2018 membership

Please remember that membership dues are currently the only source of revenue for the ISSR. Your dues payments provide the support needed to maintain viability of our Society.

Thank you for your support!!!!

Benefits of ISSR Membership:

- Networking opportunities to form collaborations with other serotonin researchers
- Opportunity for professional development and leadership in the Society
- Opportunity to submit proposals and chair a symposium at our international biennial meetings
- Discounted registration fees to attend our international biennial meetings
- Information/invitations to ISSR sponsored events
(e.g., FENS socials, SFN mixers)
- Delivery of our Society newsletters directly to your email "in-box"

Dues rates and payment instructions

- Regular Members (e.g., faculty or equivalent): \$100 USD /2-year
- Trainees (Graduate Students/Post-docs): \$60 USD/2-year
- Retired Members: \$60 USD/2-year

Note: we require email confirmation of student or post-doc status from the mentor.

Payment by credit card can be made at our ISSR website (<http://serotoninclub.org/>). In some cases, we are able to accept bank wire transfers for dues, please contact Dr. Kelly Berg (berg@uthscsa.edu) to make arrangements. Alternatively, you may send a check or money order payable to the "International Society for Serotonin Research" to Kelly at the address below.

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dues**

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Address change? All communications with members are carried out via the internet so if we do not have your current e-mail address you risk losing all contact with the Society.

If you have changed your address, send it now while you are thinking about it. Kelly Berg (Secretary/Treasurer)

BERG@uthscsa.edu



@5HT_Society



http://www.linkedin.com/groups/International-Society-Serotonin-Research-Serotonin-4541265?trk=my_groups-b-grp-v



Remember, we now have a Facebook page as well. Make sure you visit the site at www.facebook.com/pages/SerotoninClub/170600399644105 and “like” the Club to join.

Newsletter All Society members can send their contributions to the Newsletter, including article highlights, meetings/workshops details, job ads and any other relevant information.

Send your contribution to the editor (Sebastian Fernandez, fernandez@ipmc.cnrs.fr)