From The CPS President Doug Jones

Freshly returned from this year’s highly successful Winter meeting which was shared with the CAPNET group, I wanted to give a perspective on the activities of the Society and upcoming functions. First, it is noteworthy that we had over 135 registrants at the meeting, which ran from Wednesday evening to Saturday evening. Although the week started with some very cold temperatures outside (the first morning session St. Adele at the base of the Mountain was 27°C); however, that certainly didn’t discourage the warmth of the meeting and the excellence of the science. The meeting was punctuated by several keynote addresses on a variety of topics as well as the Sarrazin Lecture by Dr. Bruce McManus. Dr. Rui Wang, Past President of the Society is seen presenting the Sarrazin plaque to Dr. McManus after his talk (see below).

With the limited numbers of full members available for voting on important issues, items usually dealt with at the Annual General Meeting are being distributed electronically. The changes to the Bylaws are thought to promote wider participation in the Society’s business and hopefully let you feel more active in the various activities of the Society. Look for your invitation to participate from Survey Monkey.

Of interest to the membership, Council is in negotiations with the Canadian Journal of Physiology and Pharmacology and its publisher, the NRC Press/National Science Publishing. The proposal for a Memorandum of Understanding includes closer ties between our organizations including: mutual listing of hotlinked website Logo’s on each other’s website; encouraging CPS members to support the CJPP; reduced rates for Journal subscriptions for CPS members, and CJPP/NRC Press support for our Meetings. More information is being circulated to the full membership with the package for the vote.

I also wish to welcome the two New Councillors to Council. William (Will) A. Cupples has been a member of CPS since 1988 and has recently joined the Department of Biomedical Physiology and Kinesiology at Simon Fraser University in Burnaby, B.C. Deda Gillespie is from the Department of Psychology, Neuroscience and Behaviour at McMaster University in Hamilton, Ontario. We look forward to their contributions to strengthen the Society. Thanks are extended to retiring Counsellors, Bruce Mathieson of the Department of Biology, Okanagan University College, Kelowna, B.C. and Martin Pare, of the Department of Physiology at Queen’s University, Kingston, Ontario for their work on behalf of the Society. Also, we welcome three new members joining Rui on the nomination Committee: Scott Heximer from the University of Toronto, Bruce Mathieson from the Okanagan Campus, UBC, and Katalin Toth from Laval University. We thank you for your assistance to help in filling vacancies on Council as regular positions turn over. The membership is reminded that we welcome submission of names of potential candidates at any time. Contact any member of the Nominating Committee.

Respectfully, Doug Jones
The Sarrazin lectureship was initiated in 1976, by the Society for a “Distinguished Speaker” to give a lecture to the Society at its meeting and that the Lectureship would be called the “Sarrazin Lecture” in recognition of “the First Canadian Physiologist”. Although nominations were initially solicited from the membership and the Lecturer selected by the Executive, it was subsequently felt appropriate for the outgoing President of the Society to be charged with making the selection of the speaker for the subsequent Annual Meeting. The first Sarrazin Lecturer was Dr. Harold Copp, who presented his lecture at the Winter Meeting of the Society in 1977.

This year Bruce McManus, MD, PhD, FRSC, FCAHS was selected as the recipient of this prestigious lectureship. Below is a brief summary of his distinguished career. His lectureship will be published shortly in the Canadian Journal of Physiology and Pharmacology.

Bruce McManus is Professor, Department of Pathology and Laboratory Medicine, at the University of British Columbia. He serves as Director of the James Hogg Research Centre at St. Paul's Hospital, as Co-Director of the Institute for Heart + Lung Health, and as Director of the NCE CECR Centre of Excellence for Prevention of Organ Failure (PROOF Centre). Dr. McManus served as the inaugural Scientific Director of the Institute of Circulatory and Respiratory Health, Canadian Institutes of Health Research, from December 2000 until April 2006.

Dr. McManus received BA and MD degrees at the University of Saskatchewan, an MSc in Applied Physiology from Pennsylvania State University, and PhD in Exercise Physiology and Biochemistry from the University of Toledo. He pursued post-doctoral fellowships in Environmental Physiology at the University of California - Santa Barbara and in Cardiovascular and Pulmonary Pathology at the National Heart, Lung, and Blood Institute in Bethesda, MD. Residency training at the Peter Bent Brigham Hospital - Harvard University in Internal Medicine and Pathology, was followed by specialization in Cardiovascular Pathology. Following 11 years as a faculty member at the University of Nebraska Medical Centre, including a sabbatical as John F. Fogarty Senior International Fellow at the Max Planck Institute for Biochemistry, Martinsried, Germany, Dr. McManus joined the Faculty of Medicine of the University of British Columbia as Department Head of Pathology and Laboratory Medicine in July 1993, a post he held until December, 2000. Dr. McManus is a Fellow of the Royal College of Physicians and Surgeons of Canada, the College of American Pathologists, the American College of Cardiology, and the American College of Chest Physicians.

Dr. McManus’ basic and clinical investigative program is focused on mechanisms, consequences, detection and prevention of injury and aberrant repair involved in inflammatory diseases of the heart and blood vessels, with particular emphasis on enteroviral infections of the heart and transplant vascular disease. He works in a cross-disciplinary setting on translational research questions for which answers are critically enabled by computational sciences including biomarker discovery and validation, information acquisition, annotation, and use, and registry development to support heart and lung research. Dr. McManus has co-authored over 350 peer-reviewed publications, as well as many chapters. He has edited four books. He has served as Councillor for the International Society for Heart Research and for the American Society for Investigative Pathology. He is past-president of the Society for Cardiovascular Pathology. He currently serves on editorial boards of several professional and scientific journals, and on many advisory committees and boards. He has long been committed to training and mentoring scientist trainees across a range of disciplines. He has convened many public and private sector partnerships in research.

Dr. McManus has been recognized for his scientific contributions by numerous institutions and organizations through visiting professorships and lectureships. He was co-recipient of the prestigious Max Planck Research Award in 1991. He was elected to the Royal Society of Canada as a Fellow of the Academy of Sciences in 2002. He received a UBC Killam Research Prize - Senior Scientist Category in 2003. In 2005, he was elected as an inaugural Fellow of the Canadian Academy of Health Sciences and was honoured with the Research Achievement Award of the Canadian Cardiovascular Society. In 2006 Dr. McManus received the BC Innovation Council’s Lieutenant Governor’s Technology Innovation Award. He has been honored with the 2007 UBC Distinguished Medical Lecturer Award and 2008 David F. Hardwick Lifetime Achievement Award. He was awarded the 2009 CSATVB Scientific Excellence Award, Canadian Society for Atherosclerosis, Thrombosis and Vascular Biology. Recently, Dr. McManus has been recognized by the Society for Cardiovascular Pathology with the 2010 Distinguished Achievement Award and by Providence Health Care with the 2010 Research & Mission Award.
Update On PAGSE Activities

As you know, the CPS became a Member of PAGSE (The Partnership Group for Science and Engineering) in 2010. PAGSE (www.pagse.org) is a cooperative association of more than 20 national organizations in Science and Engineering. It was formed in June 1995 at the invitation of the Academy of Science of the Royal Society of Canada. PAGSE Board meets approximately monthly in which major heads of organizations are invited for discussion, has approximately monthly information breakfast meetings with parliamentarians (Bacon and Eggheads) during the academic year and produces position papers and newsletters.

Since the publication of our last newsletter PAGSE made a Submission to the House of Commons Pre-Finance Committee; you can read this submission here: http://www.pagse.org/en/briefs/sub2010e.htm.

PAGSE has also launched a new initiative called Science Pages, which provides short science and engineering briefing notes on topical issues for Canadian Parliamentarians. The following is an email from the Chair of PAGSE introducing Science Pages.

The pilot issue on the topic of biodiversity was launched on October 28th at the Bacon and Eggheads presentation on the same topic. SciencePages is valuable both because of the product (the note itself) and the process, which brings together interns with backgrounds in science, policy and communications. The note was prepared by the interns, and then reviewed by senior scientists and policy analysts. There has also been thorough attention to layout and branding. PAGSE is extremely pleased with the final product. The pdf version of the first issue can be downloaded from the SciencePages website: http://www.sciencepages.ca/index.html or http://www.sciencepages.ca/francais/index.html.

PAGSE's goal is to see SciencePages, supported by both PAGSE and an Advisory Group to help set direction, become a fixture on the Canadian science-policy landscape as a quarterly (at minimum) publication. Getting to that stage will require more support and we will be working towards securing this support in the coming weeks and months.

For the moment, PAGSE is proud to have reached this milestone with SciencePages. PAGSE invites you to provide feedback once you have had a chance to review the first issue. You can contact us at: info@sciencepages.ca.

Best regards,
Rees Kassen
Chair, PAGSE


Dr. Deda Gillespie is an Assistant Professor in the Department of Psychology, Neuroscience & Behaviour at McMaster University, Hamilton, Ontario.

After receiving a BS (Biology) from Yale College and a PhD (Neuroscience) from UC San Francisco she went on to postdoctoral work at Northwestern University and the University of Pittsburgh. Her major interests lie in sensory processing and neural plasticity, and more specifically in how neural circuits are established and refined to optimize neural processing. The Gillespie lab studies developmental refinement in the lateral superior olive (LSO), an area of the auditory brainstem that computes the interaural intensity differences used to localize sound sources. Although abnormal auditory brainstem processing is implicated in a number of developmental auditory disorders, a primary interest of the lab is in using the LSO as a model system for understanding how excitatory and inhibitory circuits are co-ordinately refined.

Researchers in the lab use in vivo extracellular electrophysiology, in vitro patch electrophysiology, and various neuroanatomical methods to study synaptic properties and mechanisms of developmental plasticity and to determine how neural activity operates on these mechanisms to refine circuits in the developing LSO. A recent focus of the lab has been to explore the novel finding that immature inhibitory inputs to the LSO release an excitatory neurotransmitter (Nat Neurosci 8:332) and to understand the role of this co-release in developmental plasticity. Dr. Gillespie holds a CIHR New Investigator award and has received funding from the CIHR, NSERC, Canada Foundation for Innovation, and Ontario Ministry for Research and Innovation.
CPS Awards & Funding Opportunities

The CPS Promotional Fund
Up to $2,500.00 will be available twice a year to organizers of CPS events which stimulate physiology research, integration and/or teaching in Canada. For example, the funds can be used as seed money for the holding of a regional meeting, or promotion of the CPS at a national or international conference. There will be two competitions for funds, with application deadlines January 1st and July 1st. Multiple awards may be allocated at any competition. Any funds available from the January competition will be carried forward to the July 1st competition. Regular CPS members are eligible to apply. Send a 1-2 page proposal to the secretary of the CPS, describing the amount requested, date, location and nature of the planned event. Indicate how the requested funds will support the event and how the event will foster Canadian physiology. Events sponsored by the CPS Networking Fund will display a CPS banner to promote the Society and recognize its financial support. For detailed information please visit the CPS website.

The Sarrazin lectureship
The Sarrazin lectureship was initiated in 1976, by the Society for a “Distinguished Speaker” to give a 1 hour lecture to the Society at its meeting and that the Lectureship would be called the “Sarrazin Lecture” in recognition of “the First Canadian Physiologist”. Although nominations were initially solicited from the membership and the Lecturer selected by the Executive, it was subsequently felt appropriate for the outgoing President of the Society to be charged with making the selection of the speaker for the subsequent Annual Meeting. The first Sarrazin Lecturer was Dr. Harold Copp, who presented his lecture at the Winter Meeting of the Society in 1977.

Look on the CPS website for a listing of the Sarrazin lecturers to date.

The J. A. F. Stevenson Professorship
Departmental Chairs and Research Directors are encouraged to nominate suitable applicants from other Universities and to facilitate the nomination of their young faculty by Chairs/ Directors from other Universities.

Each year the Canadian Physiological Society offers a Visiting Professorship to an outstanding young Canadian Physiologist. The purpose of the Visiting Professorship is to promote collaboration and exchange of information among investigators at Canadian Universities and to strengthen graduate training programs in physiological research.

The society will provide travel expenses for the visiting professor; living expenses will be the responsibility of the host University. Nominations for the award are normally made by a Departmental Chair or Research Director to enable a distinguished young investigator from another Canadian Institution to visit the host university and to give a lecture and/or graduate seminars. The host department or research group can be at any one of the sixteen in Canadian University Faculties of Medicine.

The candidate chosen to receive the Visiting Professorship will also present a lecture at the Annual meeting of the Society. Partial reimbursement of expenses to attend the Meeting of the Canadian Physiological Society will be the responsibility of the Canadian Physiological Society.

The selection of the Visiting Professor will be the responsibility of the Council of the Canadian Physiological Society and will be based on the scientific achievements of the candidate. Nominees for this award will be, or is expected to become, a member of the Canadian Physiological Society. The Visiting Professorship will not be awarded to candidates after the tenth year from receiving their first faculty position. In the event that more than one host University has requested the chosen recipient, the University which first placed the request will be given preference.

Nominations should be sent to the Secretary of the Society at the address given below. Each nomination should include a letter from the sponsor setting out the proposed itinerary and include the curriculum vitae of the candidate.

Nominations are now being received for the 2010 J.A.F. Stevenson Visiting Professorship. All information must be received by the Secretary before June 1st, 2010. Electronic versions of letters of nomination and supporting documents should be sent to: Melanie A. Woodin, Department of Cell & Systems Biology, University of Toronto, 25 Harbord Street, Toronto, Ontario, MSS 3G5, m.woodin@utoronto.ca.
**CPS Awards & Funding Opportunities** Continued...

**The F. C. (Hank) McIntosh Senior Visiting Professor**

Each year the Canadian Physiological Society offers a Senior Visiting Professorship to an outstanding senior Canadian Physiologist. This Senior Visiting Professorship is named in honour of Dr. F.C. (Hank) MacIntosh and is sponsored by the Corporate Patrons of the Canadian Physiological Society. The purpose of the Visiting Professorship is to promote collaboration and exchange between physiology departments and investigators at Canadian Universities. The visiting professor would be encouraged to visit two or more departments within the same geographical region of the country, so nominations can come from a single department or jointly from two or more. The visiting professor would be expected to spend several days at each institution giving seminars, meeting other investigators and holding sessions with the host department’s graduate students.

The selection of the Senior Visiting Professor will be the responsibility of the Council of the Canadian Physiological Society and will be based on the scientific achievements of the candidate. Nominees for this award should be a member of the Canadian Physiological Society and have made a contribution to the Society. Normally, the Visiting Professorship will not be awarded to candidates before the tenth year from receiving their highest degree. Individuals who wish to be considered for the F.C. MacIntosh Visiting Professorship are encouraged to approach departments for sponsorship, but they cannot apply directly.

Nominations are now being received for the 2010 F.C. MacIntosh Senior Visiting Professorship. All information must be received by the Secretary before June 1st, 2010. Each nomination should include a letter from the sponsor/s setting out the proposed itinerary and include the curriculum vitae of the candidate. Letters of nomination and supporting documents should be sent to: Melanie A. Woodin, Department of Cell & Systems Biology, University of Toronto, 25 Harbord Street, Toronto, Ontario, M5S 3G5, m.woodin@utoronto.ca

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**Upcoming Physiology Meetings**

**IUPS 2013 37th Congress of the International Union of the Physiological Sciences**
July 21st - 26th, 2013
Birmingham, UK
For detailed information please visit: [http://www.iups.org/](http://www.iups.org/)

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**33rd International Symposium of the GRSNC 2011, The Neurobiology of Depression**
May 2nd - 3rd, 2011
Université de Montréal
For detailed information please visit: [http://www.grsnc.umontreal.ca/33s](http://www.grsnc.umontreal.ca/33s)

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**2011 APS Conference: Physiology of Cardiovascular Disease: Gender Disparities**
October 12th - 14th, 2011
University of Mississippi Medical Center
Jackson, Mississippi

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**2011 APS Conference: 7th International Symposium on Aldosterone and the ENaC/Degenerin Family of Ion Channels: Molecular Mechanisms and Pathophysiology**
September 18th - 22nd, 2011
Asilomar Conference Grounds
Pacific Grove, California
For detailed information please visit: [http://www.the-aps.org/meetings/aps/enac/](http://www.the-aps.org/meetings/aps/enac/)
Funding Opportunities

John F. Perkins, Jr. Memorial Award for International Physiologists
Award: Up to $5,000
Deadlines: April 15 and October 15

The John F. Perkins, Jr. Memorial Award for International Physiologists promotes cultural exchange and scientific collaborations by providing supplementary aid to families of foreign scientists working for a minimum of 3 months in the U.S. In this way, young scientists are able to bring their families and thus make full use of the cultural exchange as well as the scientific benefits associated with an international collaboration. The program presupposes that the visiting scientist and his/her host already have made arrangements for scientific collaboration and have sufficient funds to cover the needs of the visiting scientist. Several awards are granted each year. Application for the Perkins Award must be made jointly by the host, who must be an APS member, and the visiting scientist. The recipient receives funds generally not exceeding $5,000. The size of the award depends on the estimated needs over and above the amount already available to the visiting scientist. For scientific visits beginning between January 1 and June 30, the application is due on October 15 the year before with notification by December 15. For scientific visits beginning between July 1 and December 31, the application is due on April 15 of the same year with notification by June 15. Applications will now only be accepted via online submission. Please click here to apply.

Submissions & Contact Information
We welcome your contributions! If you would like to be featured in “Who am I? Where am I?” or write a historical perspective, send us a note.

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