



SBN

Society for Behavioral Neuroendocrinology

January 2013 - SBN E-News

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SBN Announcements

The January 2013 Issue of *Hormones and Behavior* is Now Available

The table of contents for this issue (Volume 63, Issue 1) can be found at <http://www.sciencedirect.com/science/journal/0018506X>

Call for Nominations: Daniel S. Lehrman Lifetime Achievement Award in Behavioral Neuroendocrinology

Nominations are being accepted for the 2013 8th Daniel S. Lehrman Lifetime Achievement Award in Behavioral Neuroendocrinology. Investigators that have sustained a record of significant original research, distinguished scholarship and highly effective mentorship in any field of behavioral neuroendocrinology may be nominated. They may be either retired or still active in research, provided they have been a full professor (or foreign equivalent, if outside the U.S., or industry equivalent, if working outside academia) for more than 10 years and have trained a significant number of students and research associates who have, in turn, made exceptional contributions in behavioral neuroendocrinology. Submit a letter of nomination, including a detailed description of the nominee's most significant contributions to research, scholarship and mentorship and a copy of the nominee's curriculum vitae. More than one nomination letter or jointly written nomination letters are helpful to the committee. Nominations from 2012 and 2011 will be considered, but updates from the primary nominator are welcome and useful. Please send PDF files by **March 15, 2013** to Emilie Rissman at rissman@virginia.edu - Chair, SBN Awards Committee.

Join Us for SBN 2013 in Atlanta!

It is a great pleasure to invite you to Atlanta, Georgia, for the 17th Annual Meeting of the Society for Behavioral Neuroendocrinology to be held from **June 23 - 26, 2013**. The meeting will take place at the Loews Atlanta Hotel located in the heart of vibrant Midtown Atlanta. More

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information regarding registration, abstract submissions and housing will be distributed soon and posted on the SBN website.

Travel and Young Investigator Awards Available for the 2013 SBN Meeting

Travel Award applications will require a CV and brief description of the significance of the work to behavioral neuroendocrinology and the applicant's contribution to it. Faculty mentors should be asked to prepare a letter of recommendation.

Young Investigator applications require a statement of research direction, abstract for their talk (should they be selected) and CV. Three letters of recommendation should be requested, one of which is from the applicant's current faculty mentor.

Applications will be due **Friday, March 8th** by 5:00 p.m. ET. All materials will be uploaded to the SBN website.

Applications will be available soon on the SBN website.

General Announcements

Summer Research Experience in the Integrative Biology of Social Behaviors at Michigan State University

Michigan State University (MSU) is now accepting applications for a new National Science Foundation-funded summer program providing **Research Experience for Undergraduates (REU) in the Integrative Biology of Social Behaviors**. Social interactions lie at the core of animal and human societies and the behavior and physiology of animals are profoundly affected by the behavior of other members of their species. The 12 mentoring faculty members involved in this REU program are engaged in examining an array of social behaviors from a broad range of scientific disciplines.

The **Integrative Biology of Social Behaviors** is a 10-week summer program that will run from **May 20 through July 27, 2013**. In 2013, we will be accepting 10 students. This is a full-time program, so students should not take additional courses. Student participants will receive free room and board, round-trip travel expenses to MSU, and a \$5,000 stipend for the summer.

Students entering their junior or senior year at any U.S. college or university are eligible. Applicants should have a background in animal behavior and/or biology and should be majoring in a relevant discipline. Applications from women and members of underrepresented groups, including people with disabilities, are especially encouraged.

Applications are due by Feb. 15, 2013 and should be emailed to ibsb@msu.edu. Applications must include: a personal statement describing your interests, career goals and the ways in which participation in this program will help you achieve them; a brief resume or curriculum vitae; your college or university transcripts (transcripts do not have to be official); a completed application form (posted on our website); and two letters of recommendation from your professors or employers. Previous research experience is NOT necessary for a

successful application. For more information and the application form, visit: <https://www.msu.edu/~ibsb/index.html>.

Gordon Research Seminar on Neuroethology: Behavior, Evolution & Neurobiology

The Gordon Research Seminar (GRS) on Neuroethology: Behavior, Evolution & Neurobiology will be held on the 17 and 18th August 2013 at Mount Snow Resort, VT, U.S.A. Submit your abstract for poster or oral presentation consideration as part of the program. Registration and abstract submission accepted until April 17th 2013 (oral presentation) and July 20th (poster). The Gordon Research Seminar in Neuroethology is aimed at fostering interactions between graduate students and post-docs who have undertaken the study of the neural basis of vertebrate and invertebrate behavior. The 2013 Neuroethology GRS will focus on the interfaces among sensory, integrative and motor areas and how they form a closed behavioral loop. The young scientists (graduate students and postdocs) attending this conference will present and share findings on the functional basis of neural circuits, from molecular to behavioral scales and across many specialties (for example, molecular, imaging, and electrophysiology). Please visit <http://tinyurl.com/neuroethology>, for details and registration instructions. The posters for the seminar description and the preliminary program are attached to this email. These can also be found as links at: <http://tinyurl.com/neuroethology>.

Job Postings/Training Opportunities

Postdoctoral Positions:

**FULL DESCRIPTIONS ARE AVAILABLE ONLINE AT
THE SBN WEBSITE**

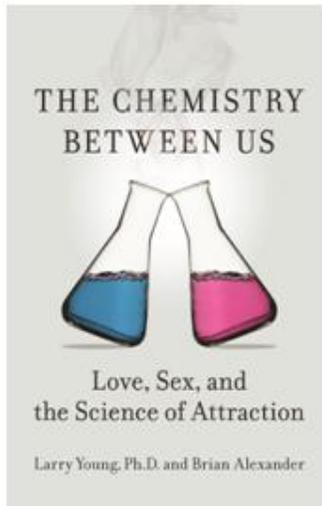
<http://www.sbn.org/opportunities/bno.aspx>

- 1) Postdoctoral Research Associate Position in laboratory of Dr. Elliott Albers to study the role of GABA in the entrainment of circadian rhythms, The Neuroscience Institute, Georgia State University
- 2) Postdoctoral Research Associate Position in the laboratory of Dr. Timothy Bartness to study the control of body fat, especially the role of the sympathetic and sensory innervation of these tissues, Department of Biology, Georgia State University
- 3) Postdoctoral Research Associate Position in the laboratory of Dr. Timothy Bartness to study the neurochemical/neuroanatomical/endocrinological basis of the appetitive ingestive behaviors of food foraging and hoarding, Department of Biology, Georgia State University
- 4) Postdoctoral Positions in Behavioral Neuroscience in the laboratories of Heather Caldwell, John Johnson and Eric Mintz, Department of Biological Sciences, Kent State University
- 5) Postdoctoral Position in sexuality, sexual behavior, reproduction and development, Indiana University/Kinsey Institute

6) Postdoctoral Position in Reproductive Neuroendocrinology in the Laboratory of Dr. Sasha Kaufman, University of California, San Diego

SBN Member Books

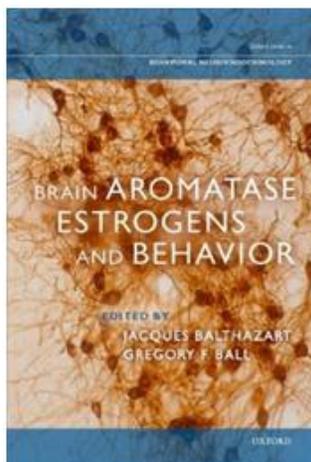
The Chemistry Between Us: Love, Sex and the Science of Attraction, Larry Young & Brian Alexander, Current Hardcover, 2012.



SBN member Larry Young and science writer Brian Alexander team up to publish *The Chemistry Between Us: Love, Sex and the Science of Attraction* (<http://thechemistrybetweenus.com>).

Written for the general public and scientists alike, this book provides a thorough, yet light hearted and entertaining account of the neuroendocrine mechanisms that drive sexual, parental and social behavior, as well as of the scientists who made those discoveries. Each chapter is grounded in animal experiments performed by many of our own SBN members, and then relates these mechanistic studies to parallel findings in our own species. Tackling topics ranging from the development of the sexual brain to monogamy, cheating and society, *The Chemistry Between Us* will both inform and entertain. An excellent holiday gift, and an excellent way to engage undergraduates in Hormones and Behavior courses.

Brain Aromatase, Estrogens, and Behavior, Jacques Balthazart & Gregory F. Ball (Eds), Oxford University Press, 2012.



Estrogens, such as estradiol, can occur in brain as the result of ovarian secretion of the hormone into the blood. In male vertebrates, the testes secrete androgens, such as testosterone, into the blood and this class of steroid hormones can be converted into estrogens in the brain via the action of the enzyme aromatase, which is expressed in the male brain in many species. Finally, estradiol can be synthesized de novo from cholesterol. This book collects chapters by experts in the field that considers how estradiol is synthesized in the brain and what its effects are on a variety of behaviors. Special attention is paid to the enzyme aromatase that is distributed in discrete regions of the brain and is highly regulated in a sex-specific and seasonal specific manner. Recently it has become

clear that estrogens can act in the brain at two very different time scales, one is rather long lasting (days to weeks) and involves the modulation of gene transcription by the hormone-receptor complex. A second mode of action is much quicker and involves the action of estrogens on cell membranes that can result in effects on second messenger systems and ultimately behavior within minutes. Thus this book highlights novel views of estrogen action that are still under-appreciated namely that estrogens have significant effects on the male brain and that they can act on two very different times scales. This volume will be of interest to basic researchers and clinicians interested in the action of estrogens.