Call for Papers

GeroScience
Official Journal of the American Aging Association (AGE)

Call for Papers on
Neuropeptides and peptide hormones in aging

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Guest Editors Dr. Dora Reglodi and Dr. Seiji Shioda and Deputy Editor Dr. Zoltan Ungvari, and the editorial team of GeroScience: Journal of the American Aging Association (AGE) invite submission of original research articles and review articles related to neuropeptides and peptide hormones in aging. Growing evidence from human and experimental studies indicate that neuropeptide and peptide hormone signaling changes with age, which likely plays an important role in age-related functional impairments in multiple organ systems. Several hypotheses were put forward proposing dysregulation of neuropeptides and peptide hormones and their modulatory effects on complex regulatory pathways as common mechanisms of aging. Neuropeptides represent the most common signaling molecules in the central nervous system, which are involved in a wide range of brain functions, including food intake, metabolism and learning and memory. Co-existing and co-released with classical neurotransmitters, they can simultaneously modulate many different cellular processes. Functional consequences of the action of neuropeptides are most evident during pathophysiological processes, tissue injury or upon cellular and molecular stress conditions, when they promote cellular plasticity, increase cellular and organismal resilience and/or promote recovery. In the periphery neuropeptides and peptide hormones regulate diverse physiological functions. Several peptide hormones were shown to play critical role in aging and development of age-related pathologies. Important examples include angiotensin II, GH, PACAP, myostatin and the TGFB family member GDF11.

This call-for-papers is aimed at providing a platform for the dissemination of novel data on changes of peptidergic regulation in aging and the role of neuropeptides and peptide hormones in the pathogenesis of age-related diseases.
Topics include (but are not limited to):

- Studies using a variety of experimental approaches, including in vitro and in vivo studies as well as translational studies
- Reviews and mini-reviews focusing are also welcome

Those interested in writing cutting edge reviews, commentaries and perspective-type articles should contact the Editors prior to submission.

Important Dates
Submissions Deadline: December 15, 2017

All manuscripts will undergo normal peer review. Accepted manuscripts from this Call for Papers will be published online and in Regular issues, marked with the Call for papers title.

Submission Requirements:
All papers should follow the manuscript preparation requirements for the GeroScience submissions, see http://www.springer.com/life+sciences/cell+biology/journal/11357/PSE

The authors are requested to submit their manuscripts via the online submission manuscript system, available at http://www.editorialmanager.com/JAAA/. During submission, authors should explicitly choose the title of the special issue in the Subject line.
Please indicate in the cover letter that the manuscript is submitted in response to the Call for Papers “Where neuroscience meets geroscience: mechanisms at the interface between aging and neurodegeneration”. Should there be any further enquiries, please feel free to address them to the guest editors: Dr. Dora Reglodi dora.reglodi@aok.pte.hu or Dr. Seiji Shioda shioda@hoshi.ac.jp