Call for Papers

GeroScience
Official Journal of the American Aging Association

Call for Papers on

Epigenetics of aging

Guest Editors:

Lead Guest editor:
Willard M. Freeman
University of Oklahoma Health Science Center
willard-freeman@ouhsc.edu

Guest co-editor:
Nicole C. Riddle
University of Alabama at Birmingham
riddlenc@uab.edu

Guest Editors Dr Willard M. Freeman, Dr Nicole C. Riddle and the editorial team of GeroScience (formerly AGE: Journal of the American Aging Association) invite submission of original research articles related to defining and understanding of the roles epigenetic processes in healthspan and lifespan.

Altered chromatin structure and DNA modifications have been associated with aging in a number of organ systems and models. Recent advances in molecular biology now make rigorous analysis of the epigenome possible. With these new capabilities DNA modifications appear to be an independent predictor of lifespan and altered chromatin structure/function has been associated with age-related transcriptional programs. Nonetheless, our understanding of the epigenomic response to aging and to anti-aging interventions is only at its beginning.

This call-for-papers is aimed at better understanding how the epigenome changes with aging from a geroscience perspective. All manuscripts accepted from this Call for Papers will be published online and in regular issues, marked with the Call for Papers title.

Topics include (but are not limited to):

- Manuscripts focusing on characterization and manipulation of the epigenome with aging, development of age-related pathologies, and pathogenesis of various chronic diseases associated with old age.
- Studies assessing sex differences in the epigenome.
- Refinement or development of novel approaches to address epigenomic questions specific to the biology of aging.
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, 2019

**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 Call for Papers in the Subject line.

Please indicate in the cover letter that the manuscript is submitted in response to the Call for Papers “Epigenetics of Aging”.

Should there be any further enquiries, please feel free to address them to the lead guest editor:
Willard M. Freeman willard-freeman@ouhsc.edu

- Studies using a variety of experimental approaches, including in vivo studies and investigations using isolated tissue preparations and cultured cells