

PRESS RELEASE

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**Nature Partner Journal *npj Aging and Mechanisms of Disease* to launch inaugural issue**

PRESS RELEASE FROM Japan Society of Anti-Aging Medicine (JAAM)  
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*npj Aging and Mechanisms of Disease*, the latest online open access journal to go live in the Nature Partner Journal portfolio, is launching its inaugural issue on September 28, 2015. The journal is a partnership between the Nature Publishing Group (NPG) and the Japanese Society of Anti-Aging Medicine (JAAM) to bring Nature's reputation for impact and excellence to open access and publishing partnerships through the Nature Partner Journals series. The portfolio of journals is characterized by landmark partnerships with institutions, foundations and academic societies.

*npj Aging and Mechanisms of Disease (npj-AMD)* will cover original research reviews and articles from all relevant disciplines: mechanistic understanding of, and intervention to, the aging process in humans, age-associated diseases, epidemiology of age-associated pathophysiology, and longevity. The new journal will also emphasize emerging age-related medicine—stem cells, circadian rhythms and metabolism—with clinical and translational insights into applications to humans. For more information on *npj Aging and Mechanisms of Disease*, visit <http://www.nature.com/npjamd/>.

**Highlights:**

**Aging Science Comes of Age**

Aging research has rapidly advanced these past 20 years. There has been increased interest in the field following discoveries that metabolism, chronobiology and happiness are interlinked to aging and longevity. In his editorial, Editor-in-Chief Professor Kazuo Tsubota presents a comprehensive overview of cutting-edge research that is making waves in the field of aging research today.

**Late-onset dementia: a mosaic of prototypical pathologies modifiable by diet and lifestyle**

Dr. Mark Mattson, Chief of the Laboratory of Neurosciences, National Institute on Aging, NIH, and *npj-AMD* associate editor, argues in his review article that idiopathic late-onset dementia (ILOD) arises from the aging process that renders neurons vulnerable due to diminished stress resistance. Inducing a "challenge-recovery cycle" through regular engagement in intermittent physiological challenges during adult life, such as exercise, calorie restriction, and intellectual endeavors can protect the brain from ILOD.

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The inaugural issue launches with the following content:

**Aging Science Comes of Age**

Editorial, Kazuo Tsubota

**Late-onset dementia: a mosaic of prototypical pathologies modifiable by diet and lifestyle**

Review, Mark P. Mattson

**'Purpose in Life' as a psychosocial resource**

Brief Communication, Nia Fogelman and Turhan Canli

**Markers of T-cell senescence and physical frailty: insights from Singapore Longitudinal Ageing Studies**

Original Article, Tze Pin Ng, Xavier Camous [...] Anis Larbi

**Defining molecular basis for longevity traits in natural yeast isolates**

Original Article, Alaattin Kaya, Siming Ma [...] Vadim N Gladyshev

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"The launch the inaugural issue of *npj Aging and Mechanisms of Disease* comes at a relevant time," said Editor-in-Chief Prof. Kazuo Tsubota, Professor and Chairman, Department of Ophthalmology, Keio University School of Medicine in Tokyo. "With the rapidly aging population in developing countries, there has been a surge in demand for aging and rejuvenation research. A first and foremost example is Japan with one of the highest percentages of elderly citizens and highest life expectancies in the world. Our journal aims to focus on the hard science aspect of aging to accommodate this trend. Aging is bound to be a hot topic for many years to come."

Nature Partner Journals feature a modified set of Nature editorial standards, with rigorous requirements for the training and appointment of Editors-in-Chief and continuous assessment of editorial quality against agreed key performance indicators. For more information on Nature Partner Journals, visit <http://www.nature.com/npj>.

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**About Japanese Society of Anti-Aging Medicine (JAAM)**

The Japanese Society of Anti-Aging Medicine (JAAM) was initially founded as the Academy of Anti-Aging Medicine Japan in 2001. It was then reorganized as JAAM in April 2003, and incorporated as a limited liability intermediate corporation in July 2006. With a membership of more than 8,000 individuals covering a wide and diverse range of basic research and clinical specialties, JAAM has grown into one of the largest academic societies dedicated to the advancement of anti-aging medicine in Japan.

Anti-aging medicine deals with the biological process of aging. It aims to prevent diseases, including lifestyle-related diseases; to control factors that promote the occurrence of disease and to promote and prolong a healthy life span. JAAM pursues the practice of anti-aging medicine that is scientifically evidence-based.

The mission of JAAM is three-fold: to advance Anti-Aging Medicine, a basic element of healthcare in the 21st century, to accumulate and analyze aging- and anti-aging-related data, and to appropriately approve practice on the basis of scientific evidence.

**About Nature Publishing Group (NPG)**

Nature Publishing Group (NPG) is a publisher of high impact scientific information in print and online. NPG publishes journals, online databases and services across the life, physical, chemical and applied sciences.

Focusing on the needs of scientists, *Nature* (founded in 1869) is the leading weekly, international scientific journal. NPG publishes a range of Nature research journals and *Nature Reviews* journals, and a range of prestigious academic and partner journals including society-owned publications. Online, [nature.com](http://nature.com) provides over 8 million visitors per month

with access to NPG publications and services, including news and comment from *Nature*, and the leading scientific jobs board *Naturejobs*.

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