

Aging Cell

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The aim of *Aging Cell* is to publish novel and exciting science, which addresses fundamental issues in the biology of aging.

For publication in *Aging Cell*, the research must provide a highly significant new contribution to our understanding of aging and be of general interest to the research community in the science of aging.

All areas of aging biology are welcome in the journal and the experimental approaches used can be wide-ranging.

With the rapid developments in genomic sequencing and analysis, and availability of new technologies to analyse functional genomics and proteomics, the combined powers of genetics, biochemistry and cell biology are leading to the very rapid production of new information. *Aging Cell* welcomes the results of these programmes.

Aging Cell welcomes papers reporting experimental science, short reviews on topical subjects and papers from symposia (subject to prior agreement with the Editors).

Principal areas of development covered in the journal include:

- Genes and functional genomics: mutations affecting longevity; gene homologies; organismal and cellular aging; gene manipulation
- Proliferation, senescence and death: senescence of DNA including telomeres and telomerase; cellular aging; intrinsic versus extrinsic influences
- Signaling and gene expression: altered interactions between cells and tissues, eg. hormonal, immune, inflammatory systems; altered intracellular signalling, eg. key pathways
- Stress and damage: extrinsic and intrinsic influences of free radicals on cells; free radical defence and damage; free radicals as signalling molecules
- Physiology, structure and function: outcomes of aging processes at organism, cell and molecular levels
- Biodemography and comparative studies: population and cross-species comparative studies
- New theories: discussion at the broadest level of established and novel theories of aging and longevity

Aging Cell will be launched in October 2002 and published bimonthly. Articles will include:

- novel, peer reviewed research, concentrating in the areas described above
- reviews and minireviews including assessments of high profile research, book reviews etc.
- commentaries, both introducing current papers published in the Journal and directing readers' attention to important articles in other leading journals
- proceedings of symposia relating to new areas in the field



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- development and criticism of general theories of biological ageing.

Special issues will be considered in particular subject areas, commissioned by the Editors.

Broad Subjects:

Life Sciences

Specific Subjects:

Physiology; Biochemistry & Biophysics; Cell Biology

Access Options:

n Ovid Internet, updated Monthly

Other Information:

n Full Text Coverage: October 2002 - Present

n PDF Coverage: October 2002 - present