



# BBA MOLECULAR CELL RESEARCH

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ISSN: 0167-4889

### DESCRIPTION

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*BBA Molecular Cell Research* focuses on understanding the **mechanisms** of **cellular processes** at the **molecular** level. These include aspects of cellular signaling, signal transduction, cell cycle, apoptosis, intracellular trafficking, secretory and endocytic pathways, biogenesis of cell organelles, cytoskeletal structures, cellular interactions, cell/tissue differentiation and cellular enzymology. Also included are studies at the interface between **Cell Biology** and **Biophysics** which apply for example novel imaging methods for characterizing cellular processes.

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### AUDIENCE

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Cell biologists, Biochemists, Molecular biologists, Neurobiologists, Biophysicists

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**Nikolaus Pfanner**, Albert-Ludwigs-Universität Freiburg, Freiburg, Germany  
Cell organelles, biogenesis of mitochondria, protein sorting, membrane proteins, protein assembly

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Ras family GTPases, mTOR, signal transduction

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autophagy, endosomes, endocytosis, vacuole, membrane trafficking, yeast

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Cancer cell biology, anti-cancer agents, cellular signaling, metastasis suppressors, iron, thiosemicarbazones, copper, Friedreich's ataxia

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Calcium signalling, store-operated calcium entry, TRP channels, Orai, STIM

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Cancer, genomics, cell transformation

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ER stress, Unfolded Protein Response (UPR) Signaling , S100 proteins, Cell signaling, Cartilage.

## GUIDE FOR AUTHORS

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### *Results*

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[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

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