BBA MOLECULAR CELL RESEARCH
One of the nine topical journals of BBA

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DESCRIPTION

*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 mechanics, atomic force microscopy, membrane mechanics, acoustic resonators, electric cell-substrate impedance sensing
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NF-kappaB, nervous system, neural stem cells, signal transduction, neuroprotection
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**Andreas Ludwig**
Lung inflammation, leukocyte recruitment, proteolytic shedding, metalloproteinases, chemokines

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PI3K, Akt, mTOR, leukemia, drug-resistance

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Autophagy, cancer, high-throughput/content imaging

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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 biology, cell biology, reproductive biology, cell cycle, cell organelles, mitochondria, cytoskeleton, microtubules, centrosomes, meiosis, mitosis, cell division, microscopy

**Maya Schuldiner**, Weizmann Institute of Science, Rehovot, Israel
Saccharomyces cerevisiae, Organelles, Contact sites, Targeting and translocation, High content screens.

**Klaus Schulze-Osthoff**, Eberhard-Karls-Universität Tübingen, Tübingen, Germany
Cancer biology, cell death, NF-kappaB, senescence, signal transduction

**Mark Turner**, Nottingham Trent University, Nottingham, England, UK
Glucolipotoxicity; insulin secretion; inflammation; cytokine signalling; NF-kappaB

**Raghunatha (Raghu) Yammani**, Wake Forest University, Winston-Salem, North Carolina, USA
ER stress, Unfolded Protein Response (UPR) Signaling, S100 proteins, Cell signaling, Cartilage.
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