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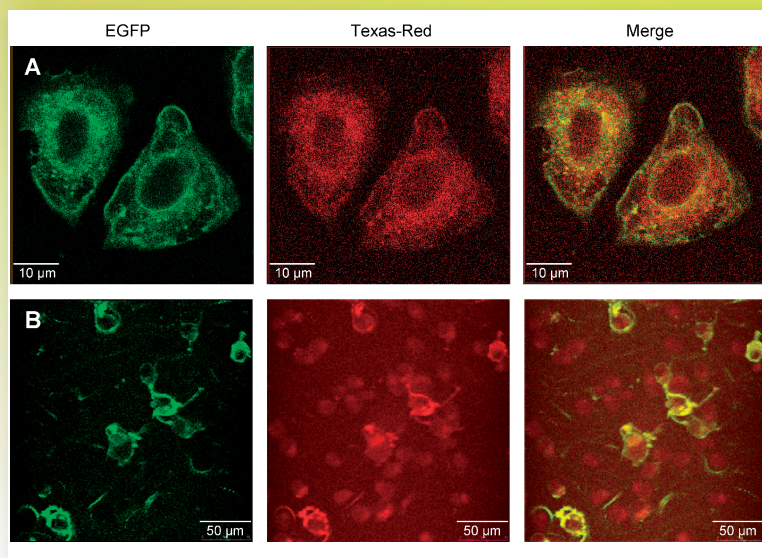
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Molecular Biology: Molecular Biology General

- Genes and Other Genetic Materials
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- Gene Expression
- Protein Synthesis
- DNA-Protein Interaction
- RNA Processing
- Genetic Engineering
- Genetic Diseases
- Molecular Genetics
- Molecular Evolution
- Bioinformatics

Fields: Topics

Cell: Cell General

Biomembranes, Organelles, and Protein Sorting
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Cytoskeleton, Cell Motility, and Cell Shape
Extracellular Matrices and Cell Adhesion Molecules
Cell Cycle
Receptors and Signal Transduction
Stress Proteins and Molecular Chaperones
Cell Death
Differentiation, Development, and Aging
Neurobiology
Tumor and Immunology

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Synthetic Peptides and Oligonucleotides
Gene and Protein Engineering
RNA Technology
Glycotechnology
Immunological Engineering
Cell and Tissue Engineering
Transgenic Technology
Gene Delivery Systems
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COVER: Advanced glycation end products (AGEs) binding to cells expressing a receptor for advanced glycation end products (RAGE)—EGFP fusion protein induced the internalization of the ligand-receptor complex. CHO-k1 (A) and N2a (B) transfected cells were incubated with Texas Red-labelled AGEs—BSA and visualized with confocal microscopy. Merged micrographs of RAGE—EGFP and ligands are shown. In the CHO-k1 and N2a transfected cells, green (receptor) and red (ligand) fluorescences co-localized (yellow) at the plasma membrane. Also, in the transfected cells, a significant amount of green and red fluorescences co-localized in the cytoplasm. These results suggest that the binding of the ligand to the RAGE—EGFP protein induces an internalization of the ligand-receptor complex. [See Sevillano *et al.*; p. 21]

The JB Prize for 2009

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The JBS invites applications for the JB Prize (Paper of the Year Award), which is awarded outstanding papers published in JB from January to December each year. Applicants can be individual authors as well as those who have been recommended by the Committee of the JB Editorial Board. At the selection stage no unjustified consideration is imposed on any candidate papers, and the candidate paper(s) are judged by the Awards Committee based on evaluation of scientific accomplishments. The following guidelines, including eligibility are for applications for the 2009 JB Prize.

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