

Today's Quote

A man said to the universe:
 "Sir, I exist."
 "However," replied the universe,
 "The fact has not created in me
 A sense of obligation."
 [from *War is kind* and
 other lines, *Knopf*]
 -Stephen Crane, 1871-1900
[Dictionary of
 Scientific Quotations](#)

Inside This Week



Cutting Edge debate -
 Do Orphan Receptors
 Have Ligands?
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February 20, 1997 · Volume 1, Issue 2

Today's Research News

BIOLOGICAL SCIENCE

Transgenic mouse looking good as Alzheimer's model

The timing and location of Alzheimer's disease markers helps validate use of transgenic mouse model. (*Proceedings of the National Academy of Sciences*)

Blood vessel carpenters

Blood vessel formation and repair may depend on the work of precursor endothelial cells. (*Science*)

Hanging around in the synapse

Glutamate in the brain may linger in active synapses and spread its message farther than previously thought. (*Nature*)



Image Library of Biological Macromolecules

- Contains all RNA structures from the Protein Data Bank and the Nucleic Database, but only a relatively small number of DNA (about 85) and protein structures (about 170).

MEDICINE / HEALTH

Fewer coronary heart disease deaths thanks to better management

The incidence of coronary heart disease in the U.S. rose between 1980 and 1990, but advances in management led to sharply lower mortality. (*Journal of the American Medical Association*)

Late-life hormone therapy effective

Excerpt from
the new
edition The
Eighth Day of
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by Horace
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and Revival Fields...

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against osteoporosis

Estrogen replacement begun after age 60 offers similar bone-density benefits to hormone therapy begun earlier, though in all cases continuous use is necessary. (*Journal of the American Medical Association*)

Insufficient folate levels found in women attempting pregnancy

Few women are achieving red cell folate levels higher than 906 nmol/L (400 ng/ml) that are optimal for the prevention of neural tube defects. (*Journal of the American Medical Association*)



British Society for Immunology - Features information on recent and future meetings, the table of contents for the journals *Immunology* and *Clinical and Experimental Immunology*, and an extensive list of links to other Web sites of interest.

BIOTECH / PHARMACEUTICAL

Effective use of potent cytokine will require care

The current issue of *BioDrugs* reviews characteristics of interleukin-10, a potent anti-inflammatory and immunosuppressive cytokine. (*BioDrugs*)

HIV binding just not the same

Analogues of receptor proteins may help explain how HIV binds to cells and offer new, receptor-specific tools for modulating biological functions. (*Nature Biotechnology*)

Human antibodies from mice

Mice outfitted with genes for making human antibodies make human antibodies. (*Nature Genetics*)



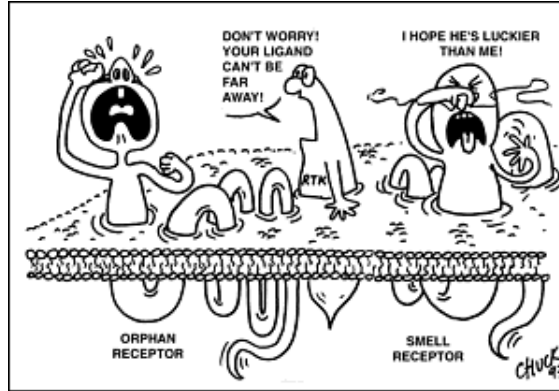
Institute of Molecular Biotechnology - The IMB in Jena is a collection of individual research projects ranging from Structural Biology Crystallography to Scientific Equipment Technology. IMB also supports a Website containing macromolecule images.



FEATURED CARTOON



by Pierre De Meyts



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