



## **James Rothman**

### **Biochemist**

He is the Fergus F. Wallace Professor of Biomedical Sciences at Yale University, the Chairman of the Department of Cell Biology at Yale School of Medicine, and the Director of the Nanobiology Institute at the Yale West Campus. Rothman is also concurrently serving as adjunct professor of physiology and cellular biophysics at Columbia University. and a research professor at the Institute of Neurology, University College London (UCL). Rothman was awarded the 2013 Nobel Prize in Physiology or Medicine, for his work on vesicle trafficking (shared with Randy Schekman and Thomas C. Südhof). He has also received many other honors, including the King Faisal International Prize in 1996, the Louisa Gross Horwitz Prize from Columbia University and the Albert Lasker Award for Basic Medical Research both in 2002

The cells inside our bodies produce a host of different molecules that are sent to specific sites. During transport, many of these molecules are grouped together in tiny sac-like structures called vesicles. These vesicles help transport substances to different places inside the cell and send molecules from the cell's surface as signals to other cells in the body. During the 1980s and 1990s, James Rothman showed how vesicles fuse with specific surfaces in the cell so that transports arrive at the correct destination.

Dr. Rothman's website [http://www.cellbiology.yale.edu/people/james\\_rothman.profile](http://www.cellbiology.yale.edu/people/james_rothman.profile)

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