

### Editorial Note

Thomas D. Pollard, Essay Editor

The following essay by Jonathan Berg and Richard Cheney inaugurates a new series of genome annotation articles in *Molecular Biology of the Cell*. The *MBC* Editorial Board extends an open invitation to the cell biology community to volunteer articles for this series.

The *MBC* Genome Annotation Essays are based on the premise that specialized knowledge of biological function and protein structure is essential for accurate genome annotation and for comparisons of complex genomes. *MBC* will provide a forum to publish annotations of families of genes of interest to cell biologists, with the confidence that this more focused “small science” approach will produce more penetrating and interesting analyses than the global, large-scale efforts. *MBC* will publish the large data sets behind these studies on the *MBC* Web site ([www.molbiolcell.org](http://www.molbiolcell.org)).

Berg and Cheney’s article, entitled “A Millennial Myosin Census,” is the model for this series. To my knowledge (Pollard, T.D. *Nature* 409:842–843, 2001), their annotation of human myosin genes is the most complete and accurate available. They also compare the myosin gene families of all of the completely sequenced eukaryotic genomes. Berg and Cheney’s insights regarding evolution are fascinating and surprising.

Readers of *MBC* can look forward to the following upcoming annotation articles and authors.

Rab GTPases: William Balch

Adhesion Receptors: Richard Hynes

Rho Family GTPases and Their Targets: Anne Ridley

Tubulin Family: Tim Stearns

Actin-Related Proteins: Barbara Winsor

Adaptins: Juan Bonifacino and Markus Boehm

*MBC* is interested in publishing complete accounts of the human genes in a family of interest and comparison with the gene endowment of the other eukaryotes with completely sequenced genomes. To be manageable, each article should be sharply focused (i.e., myosins rather than all biological motors). To avoid duplication and to confirm that the topic is appropriate, potential contributors should make an inquiry to *MBC* ([mbc@ascb.org](mailto:mbc@ascb.org)) before submitting an article.