MBInfo
RRID:SCR_006768
Type: Tool

Proper Citation

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Resource Information

URL: http://www.mechanobio.info/

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Description: Portal that deals with the process of mechanotransduction, providing in-depth, regularly updated reviews on the mechanics of cellular and molecular function. Each review is written by scientists and subsequently peer reviewed by experts in the field to ensure the content is accurate, reliable and up to date. Each review emphasizes the functional and mechanical aspects of a process, rather than the genetic aspects, with the aim of making this resource accessible to a wider audience. MBInfo is an ideal resource for scientists working in alternative fields, individuals working in industries where products are based on biological principles or students seeking a reliable introduction to a given cellular process. Each topic is written in a pyramid structure. The top of the pyramid is represented by an overview page, providing a basic description of a given function or process. These pages target a broad spectrum of readers and assume only a basic understanding of biology. Further down the pyramid, the reader will encounter the steps involved in the process described and functional modules that address specific mechanical aspects. These pages outline the protein complexes involved and the mechanisms by which they achieve the given process or function. These pages assume the readers have a more in-depth knowledge of scientific terms and principles. For every topic, a series of graphics and/or animations are available. These supplement the reviews, clarify information and guide the reader through complex processes pictorially. This makes MBInfo an ideal teaching resource, whether in the classroom or for clients trying to understand your product. All images and text are copyright protected and are for personal use only. Current Topics include: * Cellular Structures in Mechanosensing and Cell Motility * Methods in the Study of Mechanobiology * Nuclear Mechanotransduction Almost 100 stand alone Glossary Terms are now available. These include short definitions or summaries of proteins and processes that relate to broader topics discussed within the site. Browse an extensive range of figures, tables and videos in our resources section. New quizzes and other interactive content can also be found.

Abbreviations: MBInfo, MCMF


Resource Type: training resource, topical portal, image collection, video resource, data or information resource, portal

Keywords: cell, molecule, function, cellular function, molecular function, mechanics, cellular process, mechanobiology, biochemistry, mechanotransduction, review, protein, cellular structure, mechanosensing, cell motility, protein-protein interaction, cytoskeletal system, filopodia, lamellipodium, lamellum, stress fiber, dendritic spine, protein-protein interaction, nucleic acid-protein, small molecule-protein, protein, nucleic acid, small molecule, interaction

Funding Agency: Ministry of Education - Singapore, National Research Foundation - Republic of Singapore

Availability: Acknowledgement requested, Use of images requires consent

Resource Name: MBInfo
Ratings and Alerts

No rating or validation information has been found for MBInfo.

No alerts have been found for MBInfo.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.


