Emerging Topics

Protein-Protein Interactions in the Tetraspanin Web
Shoshana Levy and Tsipi Shoham

How do tetraspanins promote multimeric complexes and facilitate dynamic interactions with their partner membrane proteins?

REVIEWS

Biogenic Amine Neurotransmitter Transporters:
Just When You Thought You Knew Them
Randy D. Blakely, Louis J. DeFelice, and Aurelio Galli
Recent findings on the intracellular functions and structural and biochemical diversity of ysinins—actin-dependent molecular motors—are discussed.

Mechanical Signals, IGF-I Gene Splicing, and Muscle Adaptation
Geoffrey Goldspink
Mechanical signals influence gene expression in muscle and in other musculoskeletal cell types.

Myosins: Tails (and Heads) of Functional Diversity
Mira Krendel and Mark S. Mooseker
Recent findings on the intracellular functions and structural and biochemical diversity of myosins—actin-dependent molecular motors—are discussed.

Genomes Optimize Reproduction:
Aging as a Consequence of the Developmental Program
João Pedro de Magalhães and George M. Church
Natural selection shapes genomes for reproduction, not for postreproductive survival.

Skeletal Muscle Glucose Uptake During Exercise:
How is it Regulated?
Adam J. Rose and Erik A. Richter
What mechanisms are involved in increasing muscle glucose uptake during exercise?

Turning Signals On and Off
GLUT4 Traffic in the Insulin-Signaling Highway
Farah S. L. Thong, Chandrasagar B. Dugani, and Amira Klip
This review describes the intracellular journey of glucose transporter 4 and the insulin signals that regulate it.