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Nota di contenuto	Scaffolding proteins that regulate the actin cytoskeleton in cell movement / S.J. Annesley and P.R. Fisher -- Systems dynamics behind cell movement / Mikiya Otsuji and Shinya Kuroda -- Mast cells in injury response / Stefano Bacci, Aurelio Bonelli and Paolo Romagnoli -- Role of rho GTPases in tumor cell migration and metastasis / Yong Tang and Daotai Nie -- Role of serine proteases and their receptors in cellular motility / V.M. Shpacovitch, M.D. Hollenberg and M. Steinhoff -- Tuberin and hamartin in moving breast cancer cells : expression, localization, and function / Marina A. Guvakova and William S.Y. Lee -- Role of chemokines in colorectal cancer and metastasis / Kathrin Rupertus ... [et al.] -- The proteoglycan versican : an important regulator of cell locomotion in development and disease / Carmela Ricciardelli ... [et al.] -- The role of endometrial stromal cell-mediated contractility in endometrial tissue remodeling / Kaei Nasu ... [et al.] -- The role of transmission electron microscopy analysis in different cases of reduced motility in human spermatozoa / Giulia Collodel -- Reproducing in vivo cell migration / Lilian Soon and Alastair Stewart -- Chlamydomonas as the unicellular model for chemotaxis and cellular differentiation / E.V. Ermilova -- Fluorescence recovery after photobleaching / Macarena Peran ... [et al.] -- Improvement in sperm cell kinetics / Fabio F. Pasqualotto ... [et al.].
Sommario/riassunto	Cell movement is a complex phenomenon primarily driven by the actin

network beneath the cell membrane and can be divided into three general components. This review examines the specific physics underlying these phases of cell movement and the origins of the forces that drive locomotion.