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Nota di contenuto	Intro -- Library of Congress Cataloging-in-Publication Data -- Contents -- Preface -- Chapter 1 -- The Cell Migration Signalosome -- Gabriele Eden ¹ , Marco Archinti ² , Federico Furlan ³ , Paul Fitzpatrick ⁴ , Ronan Murphy ⁴ and Bernard Degryse* -- Abstract -- Introduction -- Cell Migration -- A Touch of History -- A Definition of cell Migration -- The Cell Migration Cycle -- Signalling Starts Cell Migration -- Biomechanical Force -- The Polarization of The Motile cell -- The Cell Migration Signalosome -- The Walk on the Integrins -- uPAR Structure -- uPAR, the Migration Leader -- The Molecular Interactions between uPAR and the Integrins -- More than Simply Adding uPAR Plus the Integrins -- Conclusion -- References -- Chapter 2 -- Plant Growth-Promoting Bacteria: The Role of Chemotaxis in the Association Azospirillum Brasilense-Plant -- Raúl O. Pedraza ¹ , María I. Mentel ¹ , Alicia L. Ragout ² , Ma. Luisa Xiqui ³ , Dulce Ma. Segundo ³ and B. E. Baca ³ -- Abstract -- Introduction -- Physiology of Azospirillum Chemotaxis -- The Research for the Chemoreceptors in Azospirillum -- Genetics and Biochemical of Determinants Involved in Chemotaxis in Azospirillum -- Identification of Chsa, A Novel Protein Involved in Chemotaxis -- The Role of Bacterial Motility and Chemotaxis in Azospirillum-Plant Interaction -- Chemotaxis of A. Brasilense towards Strawberry Root Exudates Assessed by the Agarose-Plate Method -- Chemotaxis of A. Brasilense Towards Strawberry Root Exudates Assessed by the Capillary Method -- Sugars and Proteins Determination

of Strawberry Root Exudates -- Conclusion -- Acknowledgments --
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and Anne L. Astier^{1,2,3*} -- Abstract -- Introduction -- Multiple
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Acknowledgments -- References -- Chapter 5 -- Chemotaxis in the
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-- Chemotaxis of Cells during Gametogenesis -- Role of Ammonium in
Change of Chemotaxis Mode -- Ammonium Transport in Gametes --
Role of Light in Change of Chemotaxis Mode -- Conclusion --
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Sommario/riassunto

Discusses research in the study of chemotaxis including the cell
migration signalosome, the role of chemotaxis in the association of the
azospirillum brasilense plant, the role of CD46 in the control of
chemotaxis of activated T cells in MS pathogenesis and the regulation
of chemotaxis by heterotrimeric G proteins.