

Cell migration matches nearly all research areas in cell and developmental biology, in genetics, and molecular medicine. The field shows an enormous progress powered by the combination of new genomic tools, cell labeling techniques, and the incorporation of new model systems.

This is the first book to comprehensively cover cell migration from the identification of molecular mechanisms to the understanding of cancer development and other pathological disorders.



*Doris Wedlich gained her PhD in zoology at the University of Münster. She carried out her postdoctoral training at the Max-Planck-Institute for Developmental Biology in Tübingen, before directing her first research group at the Free University Berlin, where she investigated the function of cadherins and extracellular matrix proteins in embryonic development at the Institute for Molecular Biology and Biochemistry. In 1992 she was appointed Full Professor for Biochemistry at the University of Ulm and has been Full Professor and Head of the Institute for Zoology at the University of Karlsruhe since 2001. Today, Professor Wedlich's research is centered on Wnt-signaling and regulation of cell adhesion in processes of cell differentiation and cell migration. While still working with *Xenopus* embryos, she has extended her investigations to molecular processes of tumor invasion.*