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Nota di contenuto	Frontmatter -- List of Contributing Authors -- Content -- 1 Introduction / Wägele, J. Wolfgang / Bartolomaeus, Thomas -- Part I: New Data and Phylogenies -- 2 Progress and perspectives of the deep nonbilaterian phylogeny, with focus on sponges (Phylum Porifera) / Wörheide, Gert / Nosenko, Tetyana / Schreiber, Fabian / Morgenstern, Burkhard -- 3 Phylogenetics and phylogenomics at the root of the Metazoa / Eitel, Michael / Jakob, Wolfgang / Osigus, Hans-Jürgen / Paknia, Omid / Chevallier, Karolin von der / Bergmann, Tjard / Schierwater, Bernd -- 4 The Chaetognatha : An anarchistic taxon between Protostomia and Deuterostomia / Perez, Yvan / Müller, Carsten H.G. / Harzsch, Steffen -- 5 Brain complexity in protostomes / Loesel, Rudi -- 6 Brains in Gastrotricha and Cycloneuralia - a comparison / Schmidt-Rhaesa, Andreas / Holger Rothe, Birgen -- 7 Phylogeny of platyzoan taxa based on molecular data / Hankeln, Thomas / Wey-Fabrizius, Alexandra R. / Herlyn, Holger / Witek, Alexander / Weber, Mathias / Nesnidal, Maximilian P. / Struck, Torsten H. -- 8 Lophophorata monophyletic - after all / Nesnidal, Maximilian P. / Helmkampf, Martin / Bruchhaus, Iris / Ebersberger, Ingo / Hausdorf, Bernhard -- 9 Phylogeny and evolution of Annelida based on molecular data / Struck, Torsten H. / Purschke, Günter / Dordel, Janina / Hösel, Christoph / Nesnidal, Maximilian P. / Diersing, Frauke / Bleidorn,

Christoph / Paul, Christiane / Hill, Natascha / Tiedemann, Ralph / Selbig, Joachim / Hartmann, Stefanie -- 10 From morphology to phylogenomics: Placing the enigmatic Myzostomida in the tree of life / Bleidorn, Christoph / Helm, Conrad / Weigert, Anne / Eeckhaut, Igor / Lanterbecq, Deborah / Struck, Torsten H. / Hartmann, Stefanie / Tiedemann, Ralph -- 11 Coeloms and nephridia in annelids and arthropods / Koch, Markus / Quast, Björn / Bartolomaeus, Thomas -- 12 Arthropod phylogeny and the origin of Tracheata (= Atelocerata) from Remipedia-like ancestors / Wägele, J. Wolfgang / Kück, Patrick -- 13 Phylogeny of the most species-rich group on Earth, the Pterygota : Ancient problems, living hypotheses and bridging gaps / Simon, Sabrina / Hadrys, Heike -- 14 The central complex in Crustacea / Stegner, Martin E.J. / Fritsch, Martin / Richter, Stefan -- 15 Advances in molecular phylogeny of crustaceans in the light of phylogenomic data / Marcus, Björn / Wägele, Reumont / Wägele, J. Wolfgang -- 16 Phylogeny of the Chelicerates: Morphological and molecular evidence / Dunlop, Jason / Borner, Janus / Burmester, Thorsten -- 17 Deuterostome phylogeny - a molecular perspective / Schlegel, Martin / Weidhase, Michael / Stadler, Peter F. -- 18 Deuterostome phylogeny - a morphological perspective / Stach, Thomas -- 19 Mitochondrial gene order in Metazoa - theme and variations / Podsiadlowski, Lars / Mwinyi, Adina / Lesný, Peter / Bartolomaeus, Thomas -- Part II: New Tools and Methods -- 20 Documenting Morphology: Morph-D-Base / Grobe, Peter / Vogt, Lars -- 21 Neurophylogeny - from description to character analysis / Loesel, Rudi / Richter, Stefan -- 22 Computational methods for the analysis of mitochondrial genome rearrangements / Bernt, Matthias / Merkle, Daniel / Middendorf, Martin / Schierwater, Bernd / Schlegel, Martin / Stadler, Peter F. -- 23 RNA in phylogenetic reconstruction / Stocsits, Roman R. / Letsch, Harald / Meusemann, Karen / Reumont, Björn M. von / Misof, Bernhard / Hertel, Jana / Tafer, Hakim / Stadler, Peter F. -- 24 Intron positions and near intron pairs / Lehmann, Jörg / Eisenhardt, Carina / Krauss, Veiko / Stadler, Peter F. -- 25 Molecular morphology: Higher order characters derivable from sequence information / Donath, Alexander / Stadler, Peter F. -- 26 Systematic errors in maximum-likelihood tree inference / Kück, Patrick / Misof, Bernhard / Wägele, J. Wolfgang -- 27 Topological bias of maximum-likelihood trees inferred from star phylogenies in the event of correct and incorrect model assumptions / Kück, Patrick / Wägele, J. Wolfgang -- 28 Exploring phylogenomic data / Ebersberger, Ingo / Haeseler, Arndt von -- References -- Index

Sommario/riassunto

The growing success of molecular methods has challenged traditional views of animal evolution and a large number of alternative hypotheses are hotly debated today. For the deep metazoan phylogeny project, data sets of hitherto unmatched quality and quantity were compiled and analysed with innovative bioinformatics tools. The book begins at the base of the tree of life to discuss the origin of animals and early branches of the phylogenetic tree. The following section presents special data sets gained from mitochondrial genomes and from morphology, with a focus on nervous systems. The final