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# Transformations of Lamarckism: From Subtle Fluids to Molecular Biology

By Snait B. Gissis, Eva Jablonka, Anna Zeligowski

MIT Press Ltd. Paperback. Book Condition: new. BRAND NEW, Transformations of Lamarckism: From Subtle Fluids to Molecular Biology, Snait B. Gissis, Eva Jablonka, Anna Zeligowski, In 1809 -- the year of Charles Darwin's birth -- Jean-Baptiste Lamarck published Philosophie zoologique, the first comprehensive and systematic theory of biological evolution. The Lamarckian approach emphasizes the generation of developmental variations; Darwinism stresses selection. Lamarck's ideas were eventually eclipsed by Darwinian concepts, especially after the emergence of the Modern Synthesis in the twentieth century. The different approaches -- which can be seen as complementary rather than mutually exclusive -- have important implications for the kinds of questions biologists ask and for the type of research they conduct. Lamarckism has been evolving -- or, in Lamarckian terminology, transforming -- since Philosophie zoologique's description of biological processes mediated by "subtle fluids." Essays in this book focus on new developments in biology that make Lamarck's ideas relevant not only to modern empirical and theoretical research but also to problems in the philosophy of biology. Contributors discuss the historical transformations of Lamarckism from the 1820s to the 1940s, and the different understandings of Lamarck and Lamarckism; the Modern Synthesis and its emphasis on Mendelian genetics; theoretical and...


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