



Topobiology: An Introduction to Molecular Embryology

By Gerald Edelman

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Start your review of *Topobiology: An Introduction To Molecular Embryology*. Write a review. Nov 20, 2015 Elliott Bignell rated it really liked it · review of another edition. I have for years been toying with the idea of running simulations of embryological concepts to generate lifelike generative art images, so far limited to simulating mollusc shells and a simple "œbiomorph" program. The problem of generating lifelike forms through genetic algorithms confronts one with the problem of how to allow complexity to emerge and lead to novel Baupl ne, but without explicitly coding these in advance or squandering prodigious amounts of computing power. *Introduction to Embryology. History, Fields, Scope, Careers and Significance of Embryology. Fertilization. Embryo. Human Embryo.* The field of study which includes investigations of the molecular, cellular, and structural factors contributing to the formation of an organism is called embryology. It is a branch of science that is related to the formation, growth, and development of an embryo. It mostly deals with the prenatal stage of development beginning from the formation of gametes, fertilization, the formation of a zygote, development of embryo and fetus to the birth of a new individual. Image Source: University College London. *History of Embryology.* Rather, he argues, a trio of related issues must also be investigated—the development of form, the evolution of form, and the morphological and functional bases of behavior. *Topobiology* presents an introduction to molecular embryology and describes a comprehensive hypothesis to account for the evolution and development of animal form. Year: 1993. *Topobiology: An Introduction to Molecular Embryology.* Gerald M. Edelman. Stuart A. Kauffman. Stuart A. Kauffman. Search for more articles by this author. PDF. Add to favorites. Download Citations. Track Citations.