Record Nr. UNINA9910438150403321 Pattern formation in morphogenesis: problems and mathematical **Titolo** issues / / Vincenzo Capasso ... [et al.] editors Pubbl/distr/stampa New York, : Springer, 2013 **ISBN** 1-283-69734-3 3-642-20164-4 Edizione [1st ed. 2013.] Descrizione fisica 1 online resource (282 p.) Collana Springer proceedings in mathematics, , 2190-5614;; v. 15 Altri autori (Persone) CapassoVincenzo Disciplina 571.8330151 Soggetti Pattern formation (Biology) Morphogenesis Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Nota di contenuto pt. 1. Biological background -- pt. 2. Mathematical models -- pt. 3. Ideas, hypothesis, suggestions. Pattern Formation in Morphogenesis is a rich source of interesting and Sommario/riassunto challenging mathematical problems. The volume offers an interdisciplinary interaction space between biologists working in this field and mathematicians, who may propose solutions to the problems put forward by biologists. The main goal is to facilitate the process of cultivating a mutual recognition of the complementary skills between biologists and mathematicians, to the point where the resulting synergy generates new and novel discoveries in the field of Developmental Biology. Lastly, the volume shows how a combination of new discoveries in developmental biology and associated mathematical modeling and computational techniques has stimulated or may stimulate relevant advances in the field.