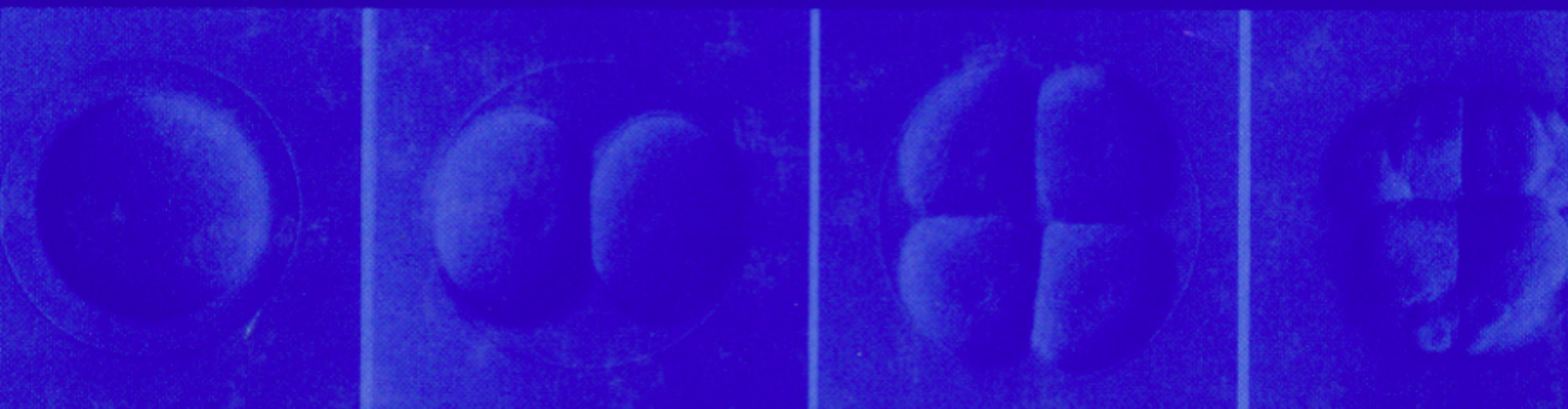


This unique resource presents twenty-seven easy-to-follow laboratory exercises for use in student practical classes, all of which are classic experiments in developmental biology. These experiments have provided key insights into developmental questions, and many of them are described by the leaders in the field who carried out the original pioneering research. This book intends to bridge the gap between state-of-the-art experimental work and the laboratory classes taken at the undergraduate and postgraduate levels. All chapters follow the same logical format, taking the students from materials and methods, through results and discussion, so that they learn the underlying rationale and analysis employed in the research. Chapters also include teaching concepts, discussion of the degree of difficulty of each experiment, potential sources of failure, as well as the time required for each experiment to be carried out in a practical class with students. The book will be an invaluable resource for graduate students and instructors teaching practical developmental biology courses.



**Manuel Marí-Beffa** is a Lecturer in Developmental Biology at the University of Málaga.

**Jennifer Knight** is an Instructor in the Department of Molecular, Cellular and Developmental Biology at the University of Colorado, Boulder.

Cover photo: Fertilized egg to 16-cell stages of sea urchin development (*Lytechinus variegatus*, 23 °C). With kind permission of C. A. Ettensohn, Carnegie Mellon University.

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