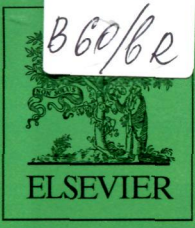
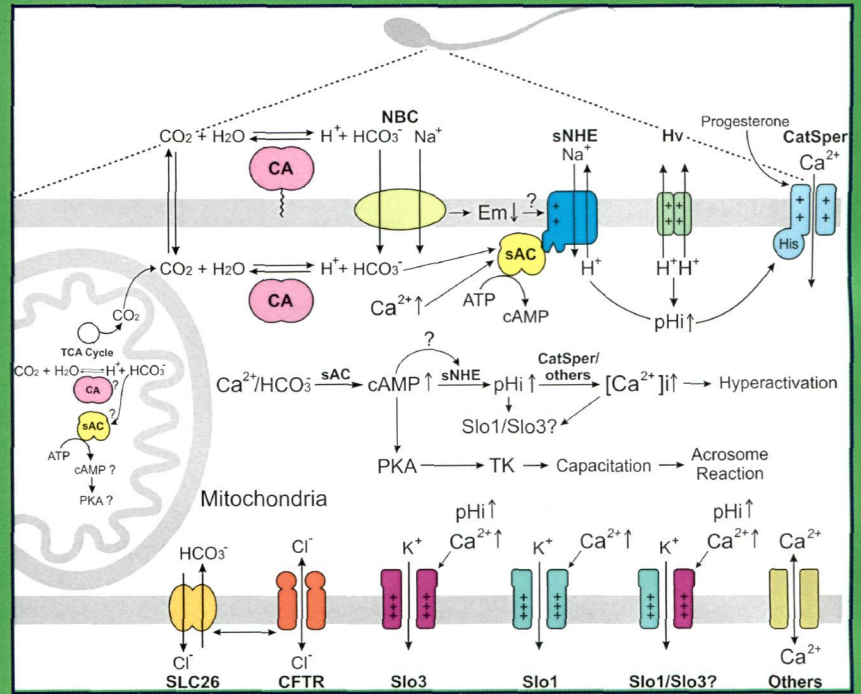


PH
B60/62



B B R C

Biochemical and Biophysical Research Communications



Special Issue: Fertilization and Early Development
Editors: William J. Lennarz and Luigia Santella



ELSEVIER

Contents lists available at ScienceDirect

Biochemical and Biophysical Research Communications

journal homepage: www.elsevier.com/locate/ybbrc



Volume 450, Issue 3, August 1, 2014

CONTENTS

Abstracted/Indexed in Biological Abstracts (BIOSIS), Chemical Abstracts, Current Contents/Life Sciences, EMBASE, *Index Medicus* (MEDLINE), Science Citation Index, and SCISEARCH. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®.

SPECIAL ISSUE: FERTILIZATION AND EARLY DEVELOPMENT

INTRODUCTION

Conservation of sequence and function in fertilization of the cortical granule serine protease in echinoderms

William J. Lennarz, Luigia Santella 1133

Self/non-self recognition mechanisms in sexual reproduction: New insight into the self-incompatibility system shared by flowering plants and hermaphroditic animals

Nathalie Oulhen, Dongdong Xu, Gary M. Wessel 1135

Hitoshi Sawada, Masaya Morita, Megumi Iwano 1142

Intracellular pH in sperm physiology

Takuya Nishigaki, Omar José, Ana Laura González-Cota, Francisco Romero, Claudia L. Treviño, Alberto Darszon 1149

Is the idea of a fast block to polyspermy based on artifact?

Brian Dale 1159

Early events of fertilization in sea urchin eggs are sensitive to actin-binding organic molecules

Jong T. Chun, Nunzia Limatola, Filip Vasilev, Luigia Santella 1166

Cell cycle arrest and activation of development in marine invertebrate deuterostomes

Vlad Costache, Alex McDougall, Rémi Dumollard 1175

Calcium signaling and endoplasmic reticulum dynamics during fertilization in marine protostome worms belonging to the phylum Nemertea

Stephen A. Stricker 1182

Intracellular calcium signaling in the fertilized eggs of Annelida

Takeshi Nakano, Ryusaku Deguchi, Keiichiro Kyojuka 1188

A role for carbohydrate recognition in mammalian sperm-egg binding

Gary F. Clark 1195

Sperm-induced Ca^{2+} release during egg activation in mammals

Junaid Kashir, Michail Nomikos, F. Anthony Lai, Karl Swann 1204

PTK2b function during fertilization of the mouse oocyte

Jinping Luo, Lynda K. McGinnis, Carol Carlton, Hilary E. Beggs, William H. Kinsey 1212

Integrative omics analysis reveals differentially distributed proteins in dimorphic euspermatozoa of the squid, *Loligo bleekeri*

Masa-aki Yoshida, Lixy Yamada, Hiroe Ochi, Yoko Iwata, Miwa Tamura-Nakano, Hitoshi Sawada, Warwick H.H. Sauer, Atsushi Ogura, Noritaka Hirohashi 1218

Why are there eggs?

Stuart A. Newman 1225

A full and complete Guide for Authors can be found at: <http://authors.elsevier.com/locate/ybbrc>.

BBRC has no page charges