Advances in Experimental Medicine and Biology

Volume 1132

More information about this series at http://www.springer.com/series/5584

Akira Kudo
Editor

Periostin

Springer

Editor
Akira Kudo
International Frontier
Tokyo Institute of Technology
Tokyo, Japan

School of Dentistry
Showa University
Tokyo, Japan

ISSN 0065-2598 ISSN 2214-8019 (electronic)
Advances in Experimental Medicine and Biology
ISBN 978-981-13-6656-7 ISBN 978-981-13-6657-4 (eBook)
https://doi.org/10.1007/978-981-13-6657-4

This Springer imprint is published by the registered company Springer Nature Singapore Pte Ltd.
The registered company address is: 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore

Preface

In the middle of 2018, the number of periostin-related publications in PubMed was greater than 1000. This number had been increasing every year by the real significance emerged during the past decade. The majority of publications correspond to incurable diseases related to the heart, cancer, bone, and immune systems. Thus, detailed knowledge of periostin would provide opportunities to cure these diseases. Of these diseases, understanding the contribution of periostin on fibrosis is particularly important, since there are not any effective cures. The entire periostin mechanism is an area of ongoing investigation. However, by reviewing our current understanding of periostin within this specialized book, we can hopefully find the clinical solutions to incurable diseases. Finally, as a future perspective, the development of periostin science provides the next three points of view: (1) to provide a new diagnostic marker for unsolved diseases, (2) to provide a new method for curing fibrosis, and (3) to develop a new scientific field by acquiring knowledge of stemness.

Preparation of this book was not possible without the support of the contributing authors who have included the entire area of periostin research with the latest information. The staff at Springer Nature publishing, especially Mr. Selvakumar Rajendran and Dr. Sue Lee, demonstrated great patience with our efforts. This book is the first on periostin and is published in the book series Advances in Experimental Medicine and Biology.

Tokyo, Japan — Akira Kudo

Contents