
Advances in Experimental Medicine and Biology

Volume 860

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Arterial Chemoreceptors in Physiology and Pathophysiology

 Springer

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ISSN 0065-2598

ISSN 2214-8019 (electronic)

Advances in Experimental Medicine and Biology

ISBN 978-3-319-18439-5

ISBN 978-3-319-18440-1 (eBook)

DOI 10.1007/978-3-319-18440-1

Library of Congress Control Number: 2015947563

Springer Cham Heidelberg New York Dordrecht London

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Printed on acid-free paper

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(www.springer.com)

Preface

This volume of *Advances in Experimental Medicine and Biology* holds the proceedings of the XVIIIth meeting of the International Society for Arterial Chemoreception, which was held in Leeds, UK, from June 30 to July 3, 2014. The collection of chapters represents the contributions – either as oral presentations or posters – of almost all of the attendees at the meeting. The meeting was made possible by the generous support of the University of Leeds (particularly the Faculty of Medicine and Health), the Company of Biologists, and Galleon Pharmaceuticals, and we are most grateful for their support.

In her concluding remarks at the end of this volume, Professor Estelle Gauda gives a comprehensive and engrossing account of the scientific content of the meeting, along with the social aspects which always make ISAC meetings so unique and enjoyable, so there is no need to repeat any such information here. However, we must thank each and every contributor without whom the meeting would not have been such a success. In particular, we are grateful to the plenary speakers: Mike Spyer, Nanduri Prabhakar, Keith Buckler, Bob Fitzgerald, Jose Lopez-Barneo, Harold Schultz, and Julian Paton, each of whom made an important impact at the start of each scientific session. Most of these are presented in this volume, and collectively, they present a concise and readable account of the present state of chemoreceptor research, ranging from cellular and molecular aspects through to clinical intervention.

The meeting as a whole ran very smoothly, thanks to the efforts of some dedicated individuals. Sue Tattersall from Meet in Leeds was the main organizer and go-to person for any problems, but help was at hand from local scientists; Dr Moza Al-Owais, Dr Jacob Elies, and Emily Johnson from Chris Peers' group were always around to provide local knowledge and support. Also working tirelessly throughout the meeting (as well as before and since!) was Prem Kumar, the co-organizer and perfect host, whose efforts were made twice as challenging due to Chris Peers' untimely absence through illness. It was apparent from the feeling at the meeting and subsequent correspondence that he ensured everyone had a memorable and worthwhile time.

The Heymans-De Castro-Neil Prize for early career scientists was selected by a broad-ranging panel of symposiasts. There were many excellent contributions to select from, and after careful deliberation, it was awarded to Maria Joao Ribeiro with M^a Carmen Fernandez-Aguera Rodriguez and Jessica Kohlin gaining runner-up awards. Their contributions are within this volume and we wish them all success with their future careers.

At the ISAC Business Meeting, the decision was confirmed that the next (XIXth) meeting of the society would be held in Baltimore, USA, in 2017, with Professor Estelle Gauda installed as ISAC and Meeting President.

Leeds, UK

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Dayton, OH, USA

Baltimore, MD, USA

Hamilton, ON, Canada

Chicago, IL, USA

Chris Peers

Prem Kumar

Chris Wyatt

Estelle Gauda

Colin Nurse

Nanduri Prabhakar

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