

BIOPOLITICS AT 50 YEARS

RESEARCH IN BIOPOLITICS

Series edited by Dr Albert Somit and Dr Steven A. Peterson

This volume edited in memoriam by Tony Wohlers and Amy Fletcher

Research in Biopolitics examines the links between the life sciences and politics. It draws on a diverse range of biological areas, including: human ethology; socio-biology; ethology; genetics; evolutionary theory; neurosciences; biotechnology, and bioethics.

Focusing on the relationship between biology and politics, *Research in Biopolitics* builds on what is already known in the biological sciences to help provide answers to long-standing questions regarding power, politics, political behavior, and governance. The international array of papers and discussions in this series are used to illuminate and inform policy choices (biopolicy), political behavior, leadership behavior, international politics, and political philosophy.

PREVIOUS VOLUMES IN THE SERIES

Politics and the Life Sciences: The State of the Discipline

Edited by Robert H. Blank, Samuel M. Hines, Odelia Funke, Joseph Losco and Patrick Stewart

The World of Biology and Politics: Organization and Research Areas

Edited by Albert Somit and Steven A. Peterson

Biopolicy: The Life Sciences and Public Policy

Edited by Albert Somit and Steven A. Peterson

Biology and Politics

Edited by Albert Somit and Steven A. Peterson

RESEARCH IN BIOPOLITICS VOLUME 13

BIOPOLITICS AT 50 YEARS: FOUNDING AND EVOLUTION

EDITED BY

TONY WOHLERS

Harford Community College, USA

And

AMY FLETCHER

Independent Scholar, New Zealand



United Kingdom – North America – Japan
India – Malaysia – China

Emerald Publishing Limited
Howard House, Wagon Lane, Bingley BD16 1WA, UK

First edition 2023

Editorial matter and selection © 2023 Tony Wohlers and Amy Fletcher.
Individual chapters © 2023 The authors.
Published under exclusive licence by Emerald Publishing Limited.

Reprints and permissions service

Contact: permissions@emeraldinsight.com

No part of this book may be reproduced, stored in a retrieval system, transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise without either the prior written permission of the publisher or a licence permitting restricted copying issued in the UK by The Copyright Licensing Agency and in the USA by The Copyright Clearance Center. Any opinions expressed in the chapters are those of the authors. Whilst Emerald makes every effort to ensure the quality and accuracy of its content, Emerald makes no representation implied or otherwise, as to the chapters' suitability and application and disclaims any warranties, express or implied, to their use.

British Library Cataloguing in Publication Data

A catalogue record for this book is available from the British Library

ISBN: 978-1-80262-108-2 (Print)
ISBN: 978-1-80262-107-5 (Online)
ISBN: 978-1-80262-109-9 (Epub)

ISSN: 2042-9940 (Series)



ISOQAR certified
Management System,
awarded to Emerald
for adherence to
Environmental
standard
ISO 14001:2004.

Certificate Number 1985
ISO 14001



INVESTOR IN PEOPLE

*In Memory of Steven A. Peterson
1947–2021*

*As a professor and researcher, Steven A. Peterson inspired and shaped the minds of generations of students and scholars. As a fellow human being and friend, who cared deeply about others, his kind soul touched the hearts of many. Because of his engaging intellect and kind personality, those who had the privilege of meeting him will always remember him. We are not only left with many and profound memories of who Steven was but are also in awe of his many and lasting accomplishments throughout his professional career. As a prodigious scholar who appreciated and pursued interdisciplinary collaboration, Steven published more than 25 books and 125 articles during his academic career. Moreover, he was a pioneer and one of the Founding Scholars of biopolitics, as illustrated by his instrumental role in establishing the Association for Politics and the Life Sciences. Indeed, Steven was a giant in biopolitics and part of a fellowship of noteworthy scholars that included Albert Somit, Glendon Schubert, Robert Heineman, James Schubert, Robert Blank, and Stephen Wasby. In addition to his profound and lasting impact on shaping and steering biopolitics as a discipline, we must not forget Steven's successful administrative and leadership roles, especially with respect to his position of Professor of Politics and Public Affairs and Director of the School of Public Affairs at Pennsylvania State University Harrisburg – a position he held from 1997 until his retirement in 2015. Following his retirement, Steven not only remained connected to the university as an emeritus professor but continued championing biopolitics and guiding the publication of *Biopolitics at 50 Years: Founding and Evolution*. We dedicate this volume to him.*

This page intentionally left blank

CONTENTS

| | |
|---|------------|
| <i>About the Editors</i> | <i>ix</i> |
| Introduction <i>Tony Wohlers and Amy Fletcher</i> | <i>1</i> |
| Political Science and Biology: Then, Now, and Next <i>Albert Somit and Steven A. Peterson</i> | <i>9</i> |
| Politics in Evolution: The First 5 Million Years, and the Next 100 <i>Peter A. Corning</i> | <i>27</i> |
| The Remerging Foundations of a Biopolitical Science <i>Kenneth C. Blanchard Jr.</i> | <i>47</i> |
| A Multidimensional Understanding of Human Nature in Moral, Political, and Legal Philosophy <i>James H. Rutherford</i> | <i>67</i> |
| The Biopolitics of COVID-19: Repercussions for International Relations <i>Andrey Makarychev</i> | <i>91</i> |
| Human Nature and the Policy Process: Expectations from Biology <i>Rebecca C. Harris</i> | <i>109</i> |
| Neurotoxicants and Behavior: Implications of ‘Toxicogenomics’ for Public Policy <i>Roger D. Masters</i> | <i>137</i> |
| Study of Oxytocin in Biopolitics <i>Seyoung Jung</i> | <i>163</i> |

| | |
|---|-----|
| Reproductive and Genetic Technology Policymaking and Citizenship Rights | 183 |
| <i>Sandra Reineke</i> | |
| Neoliberal Governmentality of Immunization: A Biopolitical Perspective on the Vaccines in Turkey | 197 |
| <i>Başak Akar</i> | |
| <i>Index</i> | 219 |

ABOUT THE EDITORS

Dr Tony Wohlers is an Associate Professor of Political Science and graduated from Northern Illinois University. Throughout his academic career in higher education, he focused on research in the area of biopolitics and also served as the co-chief of *Politics and the Life Sciences* from 2017 to 2019. He currently serves as a Dean of Behavioral & Social Sciences at Harford Community College in Bel Air, Maryland.

Dr Amy Fletcher is an independent scholar and foresight practitioner. She achieved the rank of Associate Professor of Political Science at the University of Canterbury in Christchurch, New Zealand. She specializes in technology and public policy.