



cells



Special Issue Reprint

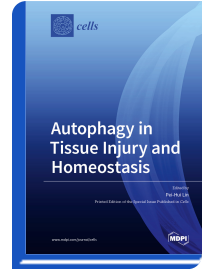
Autophagy in Tissue Injury and Homeostasis

www.mdpi.com/books/reprint/3224

Edited by
Pei-Hui Lin

ISBN 978-3-03943-781-8 (Hardback)

ISBN 978-3-03943-782-5 (PDF)



Autophagy (“auto-digestion”), a lysosome-dependent process, degrades and turns over damaged or senescent organelles and proteins. Autophagy is a highly regulated process that impacts several vital cellular responses, including inflammation, cell death, energy metabolism, and homeostasis of organelles (mitochondria and others). Although the role of autophagy in the maintenance of tissue homeostasis is well documented, its role during tissue injury and regeneration is still emerging. In this Special Issue on “Autophagy in Tissue Injury and Homeostasis”, we focus on the roles of autophagy in systemic, specific tissue (organs/cells) injury or organ failure associated with sepsis, inflammation, metabolic disorder, toxic chemicals, ischemia-reperfusion injury, hypoxic oxidative stress, tissue fibrosis, trauma, and nutrient starvation. The knowledge gained from the identification and characterization of new molecular mechanisms will shed light on biomedical applications for tissue protection through the modulation of autophagy.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/3224

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.