## Contents

Understanding the Complex Circuitry of lncRNAs at the X-inactivation Center and Its Implications in Disease Conditions  .................................. 1  
John Lalith Charles Richard and Yuya Ogawa

Long Non-coding RNA ANRIL and Polycomb in Human Cancers and Cardiovascular Disease  .................................. 29  
Francesca Aguilo, Serena Di Cecilia and Martin J. Walsh

Form and Function of Exosome-Associated Long Non-coding RNAs in Cancer  .................................. 41  
Chris Hewson and Kevin V. Morris

Long Noncoding RNAs in Lung Cancer  .................................. 57  
Anna Roth and Sven Diederichs

Pseudogene-Expressed RNAs: Emerging Roles in Gene Regulation and Disease  .................................. 111  
Dan Grandèr and Per Johnsson

Functional Long Non-coding RNAs in Vascular Smooth Muscle Cells  .................................. 127  
Amy Leung, Kenneth Stapleton and Rama Natarajan

Long Noncoding RNAs as Targets and Regulators of Nuclear Receptors  .................................. 143  
Charles E. Foulds, Anil K. Panigrahi, Cristian Coarfa, Rainer B. Lanz and Bert W. O’Malley

Noncoding Transcriptional Landscape in Human Aging  .................................. 177  
Marina C. Costa, Ana Lúcia Leitão and Francisco J. Enguita
IncRNAs in Stress Response .............................................. 203
Saba Valadkhan and Alberto Valencia-Hipólito

Expression Specificity of Disease-Associated IncRNAs: Toward Personalized Medicine ............................................. 237
Quan Nguyen and Piero Carninci

Index ................................................................. 259
Long Non-coding RNAs in Human Disease
Morris, K.V. (Ed.)
2016, VIII, 262 p., Hardcover
ISBN: 978-3-319-23906-4