
Preface

Why Did We Write This Book?

The book was triggered by the expansion in the field of alpha-1 antitrypsin (AAT) research. While by no means exhaustive, this book is meant to provide the essential protocols to laboratories ranging from new scientists in the field to more established alpha-one researchers. The aim of this book is to present a solid background by experts in their respective subfield of AAT research as well as state-of-the-art methods that are relevant to the audience, for both clinical and the bench researchers.

Who Is This Book For?

The intended audience of this book is researchers, students, and clinician-scientists interested in AAT deficiency, as well as clinicians in particular those in the fields of pulmonology and hepatology.

What Is in the Book?

This volume of the *Methods in Molecular Biology* series provides a collection of protocols. The book opens with reviews on the pathophysiology of the liver and lungs. Subsequently, protocols are organized in three parts: *Part I* is dedicated to patient-oriented research, *Part II* to animal models, and *Part III* to in vitro work. The book concludes with reviews from experts in the various fields relating to AAT translational research who share their vision of current and/or future therapeutics.

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Methods and Protocols

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