

Mark von Itzstein  
Editor

# Influenza Virus Sialidase - A Drug Discovery Target

# Contents

<b>Influenza Virology</b> .....	1
Hans Dieter Klenk	
<b>Investigating the Interaction Between Influenza and Sialic Acid: Making and Breaking the Link</b> .....	31
John M. Nicholls, Jimmy Lai, and Jean-Michel Garcia	
<b>Enzymology of Influenza Virus Sialidase</b> .....	47
Jefferson Chan and Andrew J. Bennet	
<b>Influenza Virus Sialidase and Structure-Based Drug Design</b> .....	67
Jeffrey C. Dyason and Mark von Itzstein	
<b>The Development of Carbohydrate-Based Influenza Virus Sialidase Inhibitors</b> .....	77
Robin Thomson and Mark von Itzstein	
<b>The Development of Non-Carbohydrate-Based Influenza Virus Sialidase Inhibitors</b> .....	105
Hansjörg Streicher and Mathew Stanley	
<b>Clinical Experience with Influenza Virus Sialidase Inhibitors</b> .....	131
Philippe Buchy	
<b>Resistance Development to Influenza Virus Sialidase Inhibitors</b> .....	153
Marie-Anne Rameix-Welti, Sandie Munier, and Nadia Naffakh	
<b>Index</b> .....	175