

# Contents

**Preface** ..... v

**Contributors** ..... ix

**1 Molecular and Cellular Hurdles to Xenotransplantation**  
*Jeffrey L. Platt* ..... 1

**2 Pathological Responses to Xenotransplantation**  
*Matilde Bustos and Jeffrey L. Platt* ..... 45

**3 Natural Xenoreactive Antibodies**  
*Uri Galili* ..... 57

**4 Specificity of Xenoreactive Natural Antibodies**  
*William Parker, Paul B. Yu, and Yuko C. Nakamura* ..... 73

**5 Biophysical Properties of Xenoreactive Natural Antibodies**  
*William Parker, Ryan C. Fields, and Yuko C. Nakamura* ..... 87

**6 The Origin of Xenoreactive Natural Antibodies**  
*Paul B. Yu* ..... 103

**7 Synthesis of Carbohydrate Antigens Recognized by Xenoreactive Antibodies**  
*Mauro S. Sandrin and Ian F. C. McKenzie* ..... 119

**8 The Complement Barrier to Xenotransplantation**  
*Agustin P. Dalmaso* ..... 139

**9 Defects and Amplification of Costimulation Across the Species**  
*Nicola Rogers and Robert Lechler* ..... 173

---

<b>10</b>	<b>Antibody-Dependent Effects on Cellular Immunity</b>	
	<i>Antonello Pileggi, R. Damaris Molano, Thierry Berney,</i>	
	<i>and Luca Inverardi .....</i>	<i>199</i>
<b>11</b>	<b>Disordered Regulation of Coagulation</b>	
	<b>and Platelet Activation in Xenotransplantation</b>	
	<i>Simon C. Robson .....</i>	<i>215</i>
<b>12</b>	<b>Current Applications of Cellular Xenografts</b>	
	<i>Albert S. B. Edge .....</i>	<i>247</i>
<b>Index</b>	<b>.....</b>	<b>265</b>

Xenotransplantation

Basic Research and Clinical Applications

Platt, J. (Ed.)

2002, X, 270 p. 9 illus., Hardcover

ISBN: 978-0-89603-674-1

A product of Humana Press