

Contents

Part I Between Commensalism and Pathogenicity: Bacterial and Host Aspects

<i>E. coli</i> as an All-Rounder: The Thin Line Between Commensalism and Pathogenicity	3
Andreas Leimbach, Jörg Hacker and Ulrich Dobrindt	
What Distinguishes Highly Pathogenic Staphylococci from Medium- and Non-pathogenic?	33
Ralf Rosenstein and Friedrich Götz	
Microevolution of <i>Pseudomonas aeruginosa</i> to a Chronic Pathogen of the Cystic Fibrosis Lung.	91
Michael Hogardt and Jürgen Heesemann	
<i>Lactobacillus</i>: Host–Microbe Relationships	119
John O’Callaghan and Paul W. O’Toole	
Bacterial Moonlighting Proteins and Bacterial Virulence	155
Brian Henderson and Andrew Martin	
Symbionts and Pathogens: What is the Difference?	215
Vicente Pérez-Brocal, Amparo Latorre and Andrés Moya	

Part II Host–Microbe Interaction in the Intestinal Tract

Ecology and Physiology of the Intestinal Tract	247
Michael Blaut	
The Gut Microflora and Its Variety of Roles in Health and Disease . .	273
Julia-Stefanie Frick and Ingo B. Autenrieth	
Host-Recognition of Pathogens and Commensals in the Mammalian Intestine	291
Oriana Rossi, Peter van Baarlen and Jerry M. Wells	
Contribution of the Intestinal Microbiota to Human Health: From Birth to 100 Years of Age	323
Jing Cheng, Airi M. Palva, Willem M. de Vos and Reetta Satokari	
Index	347

Between Pathogenicity and Commensalism

Dobrindt, U.; Hacker, J.H.; Svanborg, C. (Eds.)

2013, XIII, 354 p., Hardcover

ISBN: 978-3-642-36559-1