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*Mechanisms of Resistance to Novel B-lactam/B-lactam
Inhibitors*

Laurent Poirel is Associate Professor at the Emerging Resistance to Antibiotics Research Unit and Swiss National Reference Center for Emerging Antibiotic Resistance at the University of Fribourg. His research interests emerging mechanisms of resistance to β -lactams, polymyxins, and quinolones in Gram-negative rods, either in human and veterinary medicine. He is specialized on the genetics of acquisition of resistance genes in Enterobacteriaceae, *Pseudomonas aeruginosa* and *Acinetobacter baumannii*, plasmid-mediated quinolone resistance, and polymyxin resistance determinants in Enterobacteriaceae. He has co-invented a series of rapid diagnostic tests for detection of emerging resistance traits. He is the author of ca. 600 publications in international journals, his Google Scholar H-index being 140. He is the Editor-in-Chief of the European Journal of Clinical Microbiology and Infectious Diseases and Associate Editor of two highly-ranked journals, i.e. Antimicrobial Agents and Chemotherapy and Journal of Antimicrobial Agents. He has co-invented a series of rapid diagnostic tests for detection of emerging resistance traits, including the Carba NP test. In addition he is co-inventor of a series of 15 patents mainly corresponding to rapid diagnostic tests or antibiotic selective media.