

ADVANCES IN MICROBIAL PHYSIOLOGY

EDITED BY ROBERT K. POOLE

C O N T E N T S

Nitric Oxide And Urinary Pathogens*Lovisa Svensson, Mirjana Poljakovic, Isak Demirel, Charlotte Sablberg and Katarina Persson***Nitric Oxide In Microbiology***Mark P. Brynildsen***Antibiotic Lethality And pH Homeostasis***Martin I. Voskuil, Christopher R. Covey and Nicholas D. Walter***Novel Antibacterials; Alternatives to Traditional Antibiotics***Jonathan W. Betts, Michael Hornsey and Roberto M. La Ragione***Bioactive Peptides from Marine Sources for Biotechnological Applications***Daniela Giordano, Maria Costantini, Daniela Coppola, Chiara Lauritano, Laura Núñez Pons, Nadia Ruocco, Guido di Prisco, Adrianna Ianora and Cinzia Verde*

Cover illustration: The cover illustration shows immunohistochemical demonstration of iNOS-positive uroepithelial cells in UPEC-infected mice. Urinary tract infection was induced by intravesical instillation of UPEC and the bladder and kidneys were removed and processed for immunohistochemistry. Top left, bottom left: Prominent iNOS immunoreactivity (green fluorescence) is found in the superficial epithelial cells of the bladder urothelium and occasionally also in the intermediate layer. Top right, bottom right: Distinct iNOS immunoreactivity (green fluorescence) is found in the transitional epithelial cells lining the renal pelvis. u (urothelium), p (renal papilla), l (lumen of the bladder/renal pelvis). For further details see the article by Persson et al. in this volume.



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