

## Mauro Pavão



Mauro S.G. Pavão, Ph.D. is an Associate Professor of Biochemistry and Chair of the Program of Glycobiology of the Institute of Medical Biochemistry at the Rio de Janeiro Federal University, Rio de Janeiro, Brazil. He received his Ph.D. in Molecular Biology at the São Paulo School of Medicine in São Paulo. In 1996 he received a Post-Doctoral Fellowship from the PEW-Latin American Fellows Program to work in the Laboratory of Douglas Tollefsen at the Division of Hematology-Oncology, Washington University-Saint Louis, USA. After returning to Brazil in 1998, he was appointed Head of the Laboratory of Connective Tissue 3 in the University Hospital at Federal University of Rio de Janeiro, where he has been working on the structure and pharmacological effects of Eudragit microparticles prepared with unique sulfated glycosaminoglycans on experimental models of thrombosis, inflammation and metastasis. More recently, he became interested on the role of cell surface heparan sulfate proteoglycans in modulating growth factor signalling during the initial steps of tumor progression, named Epithelial to Mesenchymal Transition, and the possible inhibitory effect of heparin-like glycans on this complex phenomenon. Additionally, he started to study the role of heparanase in mammary gland development.