

Molecular Biotechnology Programme

Uppsala University School of Engineering

UPTEC X 06 023	Date of issue 2006-05
Author	
Andreas Hellander	
Title (English)	
Coupling the macroscales and mesoscales in the simulation of cellular reaction networks	
Abstract	
performance has been evaluated on a number	nd mesoscales has been implemented and its r of model systems. The approach relies on the et of approximately normally distributed species nt.
Keywords	
Hybrid method, master equation, macroscale,	mesoscale, SSA, quasi-Monte Carlo integration
Supervisors	*** * 1
	ötstedt nology, Uppsala University
Scientific reviewer	
	on Sydow nology, Uppsala University
Language	Security
English	
ISSN 1401-2138	Classification
Supplementary bibliographical information	Pages 43
	ical Center Husargatan 3 Uppsala
Box 592 S-75124 Uppsala Tel +46 ((0)18 4710000 Fax +46 (0)18 555217