

Eighth Mississippi State - UAB Conference on Differential Equations Computational Simulations, May 7–9, 2009, Department of Mathematics and Statistics, Mississippi State University, Mississippi State, MS, USA

## **MODELLING ASPECTS OF SOLID TUMOUR GROWTH**

PHILIP MAINI

Using partial differential equation and cellular automata type models we investigate how various processes deemed important by clinicians may interact. Applications include acid-mediated tumour invasion, somatic evolution and homeostasis.

UNIVERSITY OF OXFORD

*E-mail address:* `maini@maths.ox.ac.uk`