**List of abbreviations and acronyms**

**TIC** Tumour Initiating Cells

**CSC** Cancer stem cells

**TAC** Transient Amplifying Cells

**TDC** Terminally Differentiated Cells

**HM** Hierarchical Model

**HCA** Hybrid, Discrete-Continuous Cellular Automaton Model

**ECM** Extra Cellular Matrix

**ES** ECM Site