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Computational modeling of cellular dynamics in tumor cell migration

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Appendix

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Abbreviations

ABM agent-based model	GRN gene regulatory network
AMT amoeboid-mesenchymal transition	IBM individual-based model
BC breast cancer	MCS Monte Carlo step
BCSC breast cancer stem cell	MET mesenchymal-epithelial transition
CFL coupled feedback loop	miRNA microRNA
CIL contact inhibition of locomotion	ODE ordinary differential equation
CPM cellular Potts model	PDE partial differential equation
CSC cancer stem cell	pEMT partial EMT
CTC circulating tumor cell	PSF phenotypic stability factor
DAC directional auto correlation	RCM random cell migration
DIC differential interference contrast	siRNA small interfering RNA
ECM extracellular matrix	TF transcription factor
EMP epithelial-mesenchymal plasticity	TME tumor microenvironment
EMT epithelial-mesenchymal transition	TNBC triple-negative breast cancer
ER endoplasmatic reticulum	