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### Agent based modeling of viral infections: an investigation across several spatio-temporal scales

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# Table of contents

<b>1</b>	<b>Introduction</b>	6
1.1	Background and Motivation	6
1.2	Complex adaptive systems	8
1.2.1	The new challenge: from description to prediction	9
1.3	Complexity of viral infections	10
1.4	Modeling of viral infections	11
1.4.1	From mathematical modeling to cellular automata	12
1.4.2	Agent-based models	14
1.4.3	C-ImmSim	15
1.4.4	Modeling the different spatio-temporal scales	17
1.4.4.1	Microscale, intracellular processes	17
1.4.4.2	Mesoscale, intercellular dynamics	18
1.4.4.3	Macroscale, virtual patients	19
1.4.4.4	Population scale	21
1.5	Thesis	21
1.6	Outline of the Dissertation	22
<b>2</b>	<b>Modeling HIV-1 Intracellular Replication</b>	29
2.1	Introduction	29
2.2	Modeling HIV-1 intracellular replication	30
2.2.1	Cell infection	32
2.2.2	Cell states and transitions	33
2.3	Model implementation: two different approaches	34
2.3.1	Stochastic rate-based approach	34
2.3.2	Stochastic diffusion-based approach	38
2.4	Simulation results	42
2.5	Conclusions	46
<b>3</b>	<b>A Simulation Framework to Investigate <i>in vitro</i> Viral Infection Dynamics</b>	50
3.1	Introduction	50
3.2	Materials and methods	51
3.2.1	Simulation environment	51
3.2.2	Cell placement	54

3.2.3	First round of infection .....	56
3.2.4	Viral release and diffusion .....	58
3.2.5	Second round of infection .....	59
3.2.6	Experimental data .....	60
3.2.6.1	Viral stocks .....	60
3.2.6.2	Viral infection .....	60
3.2.6.3	Microscopy .....	60
3.2.7	Quantifying model fit to experimental data .....	61
3.3	Results .....	62
3.3.1	Sensitivity analysis of free parameters .....	62
3.4	Discussion .....	65
<b>4</b>	<b>HIV reservoirs and immune surveillance evasion cause the failure of structured treatment interruptions: a computational study</b> .....	<b>69</b>
4.1	Introduction .....	69
4.2	Results .....	72
4.2.1	Optimization results .....	72
4.2.2	Comparison with clinical trials .....	75
4.3	Discussion .....	82
4.4	Materials and methods .....	85
4.4.1	In silico approach .....	85
4.4.2	Quantitative evaluation of STI .....	86
4.4.3	Simulated annealing optimization .....	89
<b>5</b>	<b><i>In silico</i> studies reveal two phases of sustained response of a patient's immune system to treatment during primary HIV infection</b> .....	<b>97</b>
5.1	Introduction .....	97
5.1.1	The Model .....	98
5.1.2	Virtual clinical data .....	100
5.1.3	Sustained response score .....	100
5.2	Results .....	102
5.2.1	CD4 <sup>+</sup> cells sustained response score .....	104
5.2.2	Provirus sustained response score .....	104

5.2.3	Validation .....	105
5.3	Discussion .....	106
5.4	Methods .....	107
5.4.1	Estimating mutual information from discrete data .....	107
5.4.2	Estimating the time-delay $\leftarrow$ of the peak of mutual information .....	108
5.4.3	Estimating the information dissipation time $d_t$ .....	108
6	<b>Summary and Conclusions</b> .....	114
7	<b>Discussion</b> .....	117
	<b>Samenvatting</b> .....	118
	<b>Acknowledgements</b> .....	121
	<b>List of Publications</b> .....	122