



KU LEUVEN

Laboratory for Computational and Evolutionary Virology

Department of Microbiology and Immunology

Rega Institute for Medical Research

Faculty of Medicine

Group of Biomedical Sciences

Doctoral Thesis in Biomedical Sciences

**CONTINUOUS-TIME MARKOV CHAIN MODELS
FOR PATHOGEN PHYLODYNAMICS:
MODEL EXTENSION, SIMULATION AND VISUALISATION**

FILIP BIELEJEC

Promotor: Prof. Philippe Lemey

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KU Leuven – University of Leuven

March 25, 2015



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