

**Parallel Session 15****Thursday, July 5, 16:00PM-18:30PM**

Contributed Session <b>04</b>	<b>Modelling and Math Biology</b> Chair(s): Wei Feng and Michael Cowen	Location <b>GRC-H</b>
16:00-16:20	Burcu Adivar (Izmir University of Economics, Turkey) Optimal Vaccine Procurement Strategy for Smallpox Epidemic	Abstracts p. 317
16:20-16:40	Cuiping Li (Beihang University, Peoples Rep of China) Further analysis on high order singularities of LKE model	Abstracts p. 318
16:40-17:00	Youri N Nelson (University of North Carolina Wilmington, USA) Hierarchal Inductive Process Modeling and Analysis	Abstracts p. 318
17:00-17:20	Calistus N Ngonghala (National Institute for Mathematical and Biological Sciences, USA) The importance of stochasticity and safety nets in breaking disease-induced poverty traps	Abstracts p. 319
17:20-17:40	Charlotte Sonck (Ghent University, Belgium) Numerical continuation of equilibria of cell population models with internal cell cycle	Abstracts p. 320