



# 2018 Annual Meeting of the Society for Mathematical Biology & the Japanese Society for Mathematical Biology

## Monday 09 July 2018

### Advances in mathematics of infectious diseases: Part A - New Law School/--101 (10:30-12:30)

-Conveners: Abba Gumel; Tufail Malik

time	[id] title	presenter
10:30	[59] Signatures of within-host dynamics of dengue at a population level	CHILDS, Lauren
11:00	[145] Mathematics of climate change and malaria transmission dynamics	Prof. GUMEL, Abba
11:30	[105] Optimal control with multiple human papillomavirus vaccines	MALIK, Tufail
12:00	[106] Mathematics of a sex-structured model for Syphilis transmission dynamics	Dr SHAROMI, Oluwaseun

### Advances in mathematics of infectious diseases: Part B - New Law School/--101 (16:00-17:00)

-Conveners: Abba Gumel; Tufail Malik

time	[id] title	presenter
16:00	[330] Global stability of some continuous and nonstandard discretization models for the Ebola virus disease with fast and slow transmissions	Prof. LUBUMA, Jean
16:30	[466] Dengue dynamics in Southern Mexico: an approximation to its population dynamics and the role of population movement	Dr VELASCO-HERNANDEZ, Jorge