ERC Workshop on Serology 15 May 2018

Venue Elzenveld Hotel, Antwerp: http://www.elzenveld.be/en/seminars

All speaker times include time for discussions: generally 20 mins talk + 10 mins discussion

08h30-09h00: Registration & coffee

09h00-09h15: Welcome and introductions

09h15 – 10h15 First session: Maternal immunity

09h15-09h45 Kirsten Maertens - "Physiological and immunological background on kinetics of maternal antibodies"

09h45-10h15 Merryn Voysey - "The effect of maternal antibody and age at vaccination on antibody responses in infants"

10h15 – 11h00: Coffee break

11h00 – 12h30 Second session: Sero-epidemiology of measles, mumps and rubella

11h00-11h30 Tine Grammens and Amber Litzroth - "Seroprevalence of measles, mumps and rubella in Belgium, 2013-2014"

11h30-12h00 Julie Schenk – "Modelling measles seroprevalence using Belgian post-vaccination serial serological data"

12h00-12h30 Steven Abrams – "Analyzing Belgian mumps serial serological survey data using a Bayesian mixture approach"

12h30 – 14h00 LUNCH

14h00 – 15h30 Third session: Topics in modelling serological survey data

14h00-14h45 Amy Winter – "Modeling Measles and Rubella using Serology in Data-Scarce Settings"

14h45-15h30 Maciej Boni – "Influenza attack rates in Vietnam via threshold-free seroepidemiology"

15h30– 16h00: Coffee break

16h00– 17h30 Fourth session: Survival analysis techniques and current status data

16h00-16h45 Steffen Unkel – "Forensic seroepidemiology: a statistical approach for shedding light on routes of transmission of infectious diseases"

16h45-17h30 Andreas Wienke – "Frailty models for the analysis of serological data"

19h00 Dinner / Social activity

ERC Workshop on Serology 16 May 2018

Venue Elzenveld Hotel, Antwerp: http://www.elzenveld.be/en/seminars

09h00 – 10h30 First session: Topics in modelling serological survey data I

09h00-09h45 Conall Watson – "Seroepidemiology of *Salmonella* Typhi and potential implications for typhoid fever control in Fiji"

09h45-10h30 Emanuele Del Fava – "New estimates of pre-vaccination seroprevalence and force of infection of VZV in eleven European countries by mixture modelling of antibody titres"

10h30 – 11h00: Coffee break

11h00 – 12h30 Second session: Topics in modelling serological survey data II

11h00-11h45 Marc Baguelin -

11h45-12h30 Benny Borremans – "Estimating time since infection using pathogen, antibody and host information in a semi-parametric Bayesian framework"

12h30 – 13h30 LUNCH

13h30 – 14h30 Third session: Topics in modelling serological survey data III

13h30-14h00 Michiel van Boven – "Infectious reactivation and vertical transmission explaining age- and sex-specific patterns of cytomegalovirus seroprevalence"

14h00-14h30 Mai Phuong Thao Tran – "Estimating infectious disease parameters from serological data: a Bayesian approach"

14h30– 15h00 Coffee break

15h00 – 16h30 Fourth session: Sample size calculations for serology

15h00-15h30 Nuno Sepulveda – "Sample size calculations for serological endpoints to inform malaria control and elimination"

15h30-16h00 Stéphanie Blaizot – "Sample size calculation for estimating key epidemiological parameters using serological data and mathematical modelling"

16h00-16h30 Thomas Kovac – *R Package Book Hens et al 2012*

16h30– 16h45 Coffee break

16h45 – 18h00 Discussion and conclusion

16h45-17h45 Discussion on the use of serology, serial seroprevalence data, and serosurveillance

17h45-18h00 Closing remarks