30TH JUNE	Arrival of participants; Informal get together in hotel for general information and information on speakers (scientific papers and CV)

DAY 1: JULY 1ST   **Location: building 1; lecture hall 2**

9:00 – 9:15   Welcome to the LUMC

9:15 – 10:00   Introductory round of organizers and participants
Introduction to the Summer school themes
Explanation about the assignment (Day 5)
Division of the participants into groups

One Health

10:30 – 12:30   Teun Bousema (Radboud University, Nijmegen, the Netherlands)
Combatting malaria in a rapidly changing landscape

Lidwien Smit (University Utrecht, the Netherlands) *One Health in the Planetary Health era*

12:30 – 13:30   *Lunch break*

13.30 – 15:30   Jayne Hope, (University of Edinburgh, United Kingdom)
One Health approaches for bovine TB control

Eric Snijder (Leiden University Medical Center, the Netherlands)
Viruses without borders

15:30 – 16:00   *Daily wrap-up*

16:00 – 17:00   *Group meetings about assignment*

DAY 2: JULY 2ND   **Location: building 3; V-02-018**
9:00 – 12:00   **Applications of AI in Dx of infectious diseases**
Satyajith Jujjavarapu (Delft University of Technology, the Netherlands)
AI in digital pathology for point-of-need disease diagnosis in resource-limited settings

Guido Geerts (Delft University of Technology, the Netherlands)
The story of CAD4TB: AI impacting over 18 million globally

12:00 – 13:00   *Lunch break*

13:00 – 16:30   **Location: building 1; J-01-117**
Models for infectious diseases (mathematical, human, animal)
David Blok (Erasmus Medical Center, Rotterdam, the Netherlands)
Modeling for supporting policy and control of neglected tropical diseases

Cristina Garcia (University of Barcelona, Spain)
Antibiotic efficacy in animal models

Meta Roestenberg (Leiden University Medical Center, the Netherlands)
Experimental infections in healthy volunteers (to accelerate product development)

Xavier Fernàndez Busquets (Barcelona Institute for Global Health, Spain)
Development of nanovectors for the targeted drug delivery of antimalarials.

16:30 – 17:00   *Daily wrap-up*

DAY 3: JULY 3ᴿᴰ   **Location: BPCR, gather at 8:30 in front of LUMC entrance**
 8:30 – 10:00   Transport to Biomedical Primate Research Center (Rijswijk)

10:00 – 12:00   **NHP models for infectious diseases**
                       Annemarie Voorberg-van der Wel
                       The nightmare of sleeping malaria parasites

                       Frank Verreck
                       How to overcome the limits of a successful TB vaccine?

12:00 - 13:00   *Lunch break at BPRC*

13:00 – 15:00   Tour of the BPRC Facilities
                       Transport back to Leiden (gather at 14:45)

15:00 – 17:00   *Group meetings about assignment*

DAY 4: JULY 4ᵀᴴ   **Location: building 1; lecture hall 2**
9:00 – 12:00   **Vaccination and Treatment**
                       Cecile van Els (National Institute for Public Health and the Environment)
                       Vaccines today

                       Matti Sallberg (Karolinska Institutet)
                       New vaccine technologies for new viral infections

                       Martijn van Hemert (Leiden University Medical Center, the Netherlands)
                       Development of antivirals for pandemic preparedness

12:00 – 13:00   *Lunch break*

13:00 – 14:00   Nacer Lounis (Johnson & Johnson, Global Public Health)
                       Treatment improvement of TB and Leprosy by bedaquiline

14:00 – 14:30   *Daily wrap-up*

15:00 – 17:00   *Group meetings about assignment*

18:00 –   Joint dinner

DAY 5: JULY 5ᵀᴴ   **Location: building 1; lecture hall 2**
 9:00 – 10:00   Group meetings to finalize White Paper presentations

10:00 – 12:00   White paper presentations

12:00 – 13:00   *Lunch break*

13:00 – 13:30   Wrap-up of Summer school and Diploma ceremony