New antimicrobial paradigms that target resistance
AIMMS-SILS (*Science in Amsterdam*) focused workshop,
Amsterdam VU University, W&N building, 30-31 October 2014

30 October 2014 – room C-668 - chair Hans Westerhoff

09h00-09h05  Hans Westerhoff  Welcome and logistics
09h05-09h30  Christina Vandenbroucke-Grauls  Opening lecture:
Antibiotic resistance and society

Session 1:  Tools and issues  - chair Ellen Langemeijer

09h30-09h55  Romano Orru  Chemical strategies against resistance
09h55-10h20  Iwan de Esch  Molecular modelling against resistance
10h20-10h50  coffees
10h50-11h15  Martine Smit  Cell biology against resistance
11h15-11h40  Hans Westerhoff  Network strategies against resistance
11h40-12h05  Leendert Hamoen  Persistent Resistance
12h05-12h55  STAR students  presentations of STAR ideas
13h00-14h00  lunch outside C-668

Session 2:  Getting our hands dry – Computer room P-323

14h00-15h30  Daan Geerke  Protein-structure based modeling and simulation
15h30-16h00  teas
16h00-17h30  Jurgen Haanstra, Nilgün Yilmaz  Network modeling
17h30-18h00  pizza discussions, room C-147

Session 3:  Feature lecture – room C-147- chair Hans Westerhoff

18h00-18h45  John-Joe McFadden  A comprehensive approach to TB

Session 4:  Brain hurricane- chair Hans Westerhoff

18h45-21h00  Hans Westerhoff (Chair)  Drug resistance: the problem and its solutions

all: Pitches proposing approaches to resistance, including pitches by bachelor, MSc
and PhD students of VUA and UvA, and other participants
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Session 5: Project thoughts - chair Frank Bruggeman

09h00-09h25  Dirk Bald  Energy and adaptation; against resistance
09h25-09h50  Frank Bruggeman  Bet hedging and resistance
09h50-10h15  Wilbert Bitter  Antimicrobial resistance and virulence
10h15-10h40  Benno ter Kuile  Antimicrobials and food safety
10h40-11h10  coffees
11h10-12h30  STAR students  presentations of STAR ideas
12h30-13h30  lunch in room M-212

Session 6: Project enhancement STAR students; room M-212

- chair Hans Westerhoff (room M-236)
13h30-16h10  Break-out sessions: STAR students with experts
Christina Vandenbroucke-Grauls - Hans Westerhoff  M-236
John-Joe Mc Fadden - Sanne Abeln  P-232
Frank Bruggeman - Romano Orru (till 15:00)  P-214
Dirk Bald - Martine Smit (from 14:00)  H-219
16h10-17h00  Plenary  Break-out reporting with drinks and finger food

Organizers: Ellen Langemeijer (AIMMS: e.v.langemeijer@vu.nl) and Hans Westerhoff (AIMMS-SILS)