



## New antimicrobial paradigms that target resistance

AIMMS-SILS (*Science in Amsterdam*) focused workshop,  
Amsterdam VU University, W&N building, 30-31 October 2014

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### 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	<i>coffees</i>	
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	<i>lunch outside C-668</i>	

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

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

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

18h00-18h45	John-Joe McFadden	A comprehensive approach to TB
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### Session 4: Brain hurricane- chair Hans Westerhoff

18h45-21h00	Hans Westerhoff (Chair)	Drug resistance: the problem and its solutions
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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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### 31 October 2014; room F-640

#### 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	<i>coffees</i>	
11h10-12h30	STAR students	presentations of STAR ideas
12h30-13h30	<i>lunch in room M-212</i>	

#### 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	<b>M-236</b>
	John-Joe Mc Fadden - Sanne Abeln	<b>P-232</b>
	Frank Bruggeman - Romano Orru (till 15:00)	<b>P-214</b>
	Dirk Bald - Martine Smit (from 14:00)	<b>H-219</b>
16h10-17h00	Plenary	Break-out reporting with drinks and finger food

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