

# Programme NVTB Meeting 23-24 May 2019

## Day 1: Thursday May 23rd

10:15 - 10.45	<b>Registration (Tea / Coffee)</b>
10:45 - 10.55	Kirsten ten Tusscher, <i>Opening statements</i>
<hr/>	
10:55 - 11.45	José Borghans, <i>T-cell dynamics in health and disease</i>
<hr/>	
11.45 - 12.10	Enrico Sandro Colizzi, <i>High rates of duplications and deletions prevent genome deterioration. Understanding yeast ribosomal DNA evolution.</i>
12.10 - 12.25 <sup>short</sup>	Leonie van Steijn, <i>Topotaxis: cell movement guided by environmental crowding</i>
12:30 - 13:30	<b>Lunch</b>
13:30 - 13:55	Margriet Palm, <i>Data driven modeling uncovers antagonistic feedback loops in T cell expansion</i>
13:55 - 14:20	Meike Wortel, <i>Evolution in serial batch cultures: Selection pressures and conditions for coexistence</i>
14:20 - 14:45	Laura van Schijndel, <i>Quantifying natural selection at different spatial scales</i>
14:45 - 15.10	<b>Tea / Coffee</b>
15:10 - 15.35	Kevin Kort, <i>Ecological and metabolic dynamics of a multi-species microbiome</i>
15.35 - 16.00	Alejandro Javier Alarcón González, <i>Inferring dynamics from data in rotavirus epidemiology</i>
16.00 - 16.15 <sup>short</sup>	Dario Bijker, <i>Agent Based Modelling for the quantification of Tumor Control Mechanisms employed by Cytotoxic T Lymphocytes in vivo</i>
16.15 - 16.35	Richard Beck, <i>Stochastic Simulations of Multiple Hitting Cytotoxic T Lymphocytes</i>
16:40 - 17.00	<b>Registration continued</b>
17:00 - 17:50	<b>Yearly (general) meeting</b>
18:00 - 19.00	<b>Dinner</b>
19:15 - ...	<b>Tradition of getting lost in the dunes of Schoorl</b>

# Programme NVTB Meeting 23-24 May 2019

## Day 2: Friday May 24th

08:30 - 9:30

**Breakfast**

---

9:30 - 10.20

Marjon de Vos, *Ecology dictates evolution?  
Evolution of antibiotic resistance in microbial  
communities*

---

10:20 - 10.45

Jacob Rutten, *Taming the meristem: how organ level control  
emerges in dividing root cells*

10:45 - 11.00<sup>short</sup>

Demi Bolleman *Spatial T cell organization affecting the T cell  
activation process*

11:00 - 11.25

**Tea / Coffee**

11:25 - 11.50

Yiteng Dang, *Collective dynamics and self-organisation in a  
population of communicating cells*

11:50 - 12.15

Jeroen Meijer, *Evolutionary contingency drives microbial  
metabolism, community structure, and its predictability*

12:15 - 12:30<sup>short</sup>

Sam von der Dunk *Symmetry Breaking in a Spatial Model of  
RNA-Like Replicators*

12:30 - 13.30

**Lunch**

13:30 - 13.55

Bas Jacobs, *Small GTPase patterning: How to stabilise cluster  
coexistence*

13.55 - 14.20

Kris Veeken, *Speciation-like behaviour in self-replicating  
molecules*

14:20 - 14.50

**Tea / Coffee**

14:50 - 15:15

Johan L. van Leeuwen, *How fish larvae swim: lessons from  
bending moment patterns*

15:15 - 15.40

*Presentation price & closing words*