

Infection & Immunity Utrecht

www.infectionandimmunity.nl

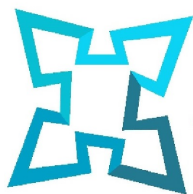
Advanced Immunology

11 – 15 January 2021

Infection & Immunity Utrecht

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Monday 11 January

Innate Immunity

09.00 – 09.45	Welcome & Introduction	Marianne Boes
09.45 – 10.00	<i>Short break</i>	
10.00 - 10.45	Title to be announced	Nienke Vrisekoop
10.45 – 11.15	<i>Break</i>	
11.15 – 12.00	The pros and cons of inflammation	Leo Koenderman
Afternoon	Self-study assignment 1	

Tuesday 12 January

T-cells

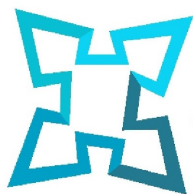
09.00 – 09.45	Human T cells in time and space	Femke van Wijk
09.45 – 10.15	<i>Break</i>	
10.15 – 11.00	Quantification of T-cell dynamics in health and disease	Jose Borghans
Afternoon	Self-study assignment 2	

Wednesday 13 January

Antigen presenting Cells

09.00 – 09.45	Intertwinement of immunology and vaccinology: the covid-19 example	Cecile van Els
09.45 – 10.15	<i>Break</i>	
10.15 – 11.00	Dendritic cells	Esther de Jong





Thursday 14 January

Intercellular Communication

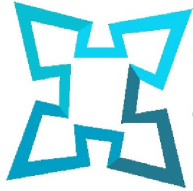
09.00 – 09.45	System Biology	Aridaman Pandit
09.45 – 10.15	<i>Break</i>	
10.15 – 11.00	Extracellular Vesicles in infection & immunity	Esther Nolte
Afternoon	Self-study assignment 3	

Friday 15 January

When it goes wrong

09.00 – 09.45	Autoinflammation: innate immunity gone wild	Joost Frenkel
09.45 – 10.15	<i>Break</i>	
10.15 – 11.30	Debate	Marianne Boes & Jos van Strijp





Self-study assignments

Assignment 1

Read paper Rosshart et al 2019.

PDF can be found in Teams (under Files/Bestanden).

Assignment 2

Study the paper Ramasamy et al (<https://pubmed.ncbi.nlm.nih.gov/33220855/>) about the Phase 2/3 trial safety and immunogenicity data of the AstraZeneca COVID-19 vaccine. Keep in mind the following questions:

- Which defense mechanisms are supposed to play a role in the efficacy of the vaccine?
- Do vaccine dose or age of the vaccinated play a role?

Additional: watch the [inaugural lecture of Cecile van Els](#) (in Dutch)

Assignment 3

Watch these two videos and answer the following question:

- How to pharmacologically inhibit IL-1 β mediated inflammation?

Videos:

<https://www.youtube.com/watch?v=biunM2iD8qM>

<https://www.youtube.com/watch?v=-FNFZ9F1eB4>

