

Course Immune oncology, PhD programmes CTO, CS&D, I&I, GSLS Utrecht University

Location: Stratenum Building, Str. 2.106/Str. 2.112

11-nov-19	Theme 1, day 1: Genomic instability and immunity	
	Organizer Yvonne: Preparation: Read paper Bakhoum et al, Nature 2018	
9:00-9:30	Intro to course. Instructions workgroup afternoon.	Speaker Yvonne Vercoulen
9:30-10:10	Tumor microenvironment, hot/ cold tumors. Overview therapies	
10:30-11:30	Mutator phenotypes and the effectiveness of anti-checkpoint therapies	Ruben van Boxtel (PMC)
11:30-12:30	Introduction to genomic/chromosomal instability (CIN), aneuploidy , and how CIN triggers innate immune response and contributes to metastasis	Susanne Lens
12:30-13:30	Lunch break	
13:30-15:00	Prep workgroup	
15:30-17:00	Paper discussion/ propose follow-up experiments paper Bakhoum (nature 2018)	Workgroup, yvonne, possibly with a postdoc
12-nov-19	Theme 2, day 2: humoral therapies, ICPI clinical	
	Organizer: Jeanette	
09:00-10:00	Clinical applications/implications of humoral therapies Lymphomas/leukemias	Speaker Rogier Mous
10:00-11:00	How does it work mechanistically? Fc receptors. Innate immune response, IgG/IgA?	Jeanette Leusen
11:15-12:15	> How effective is ICPI clinically (which cancers are eligible, which trials ongoing).	Karijn Suijkerbuijk
12:15-13:15	Lunchbreak	
13:30-16:30?	EXCURSION GENMAB + INTERACTIVE SESSION? SUCCESS/ FAIL STORIES	Jeanette Leusen

13-nov-19 Theme 3, day 3: Inhibiting the inhibitor – Anti-checkpoint therapy (PD1-PD1L, CTLA4)		
	Organizers: Yvonne & Marta	Speaker
9:00-10:00	How does it work mechanistically? > Introduction to adaptive immunity (costimulation and inhibitory receptors)	Ines Ramos
10:00-11:00	ICPI Potential in childhood cancers?	Miranda Dierselhuis
11:00-11:30	explain what we are going to do in the afternoon patient case to work on and present treatment plan in afternoon: Can we use ICPI? Why/why not Presentaties	Marta Cuenca
11:30-15:00	work on case in groups	
15:00-17:00	presentations how to solve case: can we use icpi/ why or why not?	
14-nov-19 Theme 4, day 4: CAR T cells, (DC) vaccination (jolanda de vries of carl figdor-, maud plantinga for discussion?) Sjoerd van der Burg- glioblastoma?		
	Organizer: Yvonne & Maud	Speaker
9:00-9:45	DC vaccination from bench to bedside	Jolanda de vries
10:00-11:00	Lecture I&I Jolanda de Vries- <i>Grote Vondelzaal, Str. 3.108</i>	Jolanda de Vries
11:00-12:00	Clinical applications/implications of CAR T cells	Zsolt Sebestyen
	Lunchbreak	
12:45-13:30	Organ on a chip models to test therapies	Mimetas- Karla Queiroz
13:30-15:30	Final session-afternoon: Patient case, and Design the perfect experiment to test this treatment.	Maud Plantinga, Karla Queiroz

workgroups

Make groups of I&I and CTO students and let them work on a translationa/fundamental problem in oncology.

What type of immunotherapy would be possible (triggering a response, inhibiting the inhibitor, antibodies, etc)m, and how do you test /develop this in lab.

16:00-17:30 Presentations

17:30 drinks!