

NGS course Genomic Resequencing:

Variant Detection and Interpretation in a Diagnostic Context

Venue: Radboud UMC, Nijmegen

Organized by: NBIC, LUMC, UMC Radboud and CGD

 Day1; Wednesday April 4th

Time	Title	Speaker	Location (route)
09.30-10.00	Coffee & Registration → follow route 98 !!!		Outside Moeys B
10.00-10.45	Characteristics of the sequencing methods	Johan den Dunnen (LUMC)	Moeys B (98)
10.45-11.15	Lab methods: making the DNA sequence-ready	Frank Baas (AMC)	Moeys B (98)
11.15-11.45	No coffee in the lecture room!		Outside Moeys B
11.45-12.10	Zooming in on lab methods: capture / hybridisation	Alexander Hoischen (UMCN)	Moeys B (98)
12.10-12.35	Lab methods All in one: whole genome	Kai Ye (LUMC)	Moeys B (98)
12.35-13.00	Mapping sequence reads & Quality Control	Victor Guryev (UMCU)	Moeys B (98)
13.00-14.00	Lunch		Restaurant (76)
14.00-14.30	Calling variants	Ies Nijman (UMCU)	Majoor B (99)
Parallel S1 14.30-16.15	Software Practical: Cartagena	Steven van Vooren (Cartagenia)	CMBI zaal (260)
	No coffee in the lecture room!		Aula (58) & CMBI
Parallel S1 14.30-16.15	Software Practical: Softgenetics NextGENe	Robert Akkers (BIOKÉ)	PC-room (59) 'ZorgAcademie'
16.15-17.00	Discussion: "What does the clinician need from the bioinformatician?"	Joris Veltman (UMCN)	Majoor B (99)

 Day2; Thursday April 5th

Time	Title	Speaker	Location (route)
09.30-10.00	Zooming in on lab methods: PCR based methods	Silke Hollants (UZLeuven)	Mertens E (140)
10.00-10.45	Thresholds; in theory and practice	Chris Mattocks (Salisbury, UK)	Mertens E (140)
10.45-11.15	No coffee in the lecture room!		Outside Mertens
11.15-12.00	Annotation of Variants & Computational predictions; design of experiment (trio's)	Christian Gilissen (UMCN)	Mertens E (140)
12.00-12.30	What can I tell the patient?	Helger Yntema (UMCN)	Mertens E (140)
12.30-13.30	Lunch		Restaurant (76)
Parallel S2 13.30-15.00	Galaxy practical: Mapping & Variant Calling	Leon Mei (NBIC) & Jeroen Laros (LUMC)	Harvey A (105)
Parallel S2 13.30-15.00	Software practical: CLCbio	Ben Turner (CLCbio)	CMBI zaal (260)
15.00-15.15	No coffee in the lecture room!		Outside Harvey
15.15-16.45	Practical Variant annotation and Visualisation: "How to interpret annotated variants in a diagnostic setting?"	Christian Gilissen (UMCN) & Kornelia Neveling (UMCN)	Harvey A (105)
16.45-17.10	Data Sharing & Future prospects	Johan den Dunnen (LUMC)	Harvey A (105)
17.10-17.15	Return badges & Hand in evaluation forms		Harvey A (105)

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