

## RNA-seq course: "The Power of RNA-seq"

Timeslot	Room	Title	Teacher
<b>Day 1: Wednesday, June 5th, 2013: Basics; data and principles of NGS &amp; RNA-seq</b>			
09.00 – 09.30	Hall lvl3	Registration & Coffee	
09.30 – 09.45	C317	Welcome & Introduction to "the Power of RNA-seq"	Gabino Sanchez-Perez (WUR)
09.45 – 10.30	C317	From Sample Preparation to Next Generation Sequencing data	Elio Schijlen (WUR)
10.30 – 11.00		Coffee	
11.00 – 11.45	C317	RNA-seq basics: Overview of RNA-seq data analysis	Edouard Severing (WUR)
11.45 – 12.30	C317	Statistics for RNA-seq: Quantification and Quality Control of reads	Paul Eilers (WUR)
12.30 – 13.30		Lunch	
13.30 – 14.15	PC95	Introduction to Galaxy & Workshop	Marc van Driel (NBIC)
14.15 – 15.00	PC95	Lecture Quality Control & Galaxy Workshop FastQC	Sandra Smit (WUR)
15.00 – 15.30		Tea	
15.30 – 17.00	PC95	Workshop: Quantification and Quality Control of RNA-seq reads in R	Paul Eilers (WUR)
<b>Day 2: Thursday, June 6th, 2013: RNA-seq in depth</b>			
08.30 – 09.00	Hall lvl3	Coffee	
09.00 – 10.30	C317	RNA-seq data analysis: Mapping, Transcript Reconstruction & Alternative Splicing	Edouard Severing (WUR)
10.30 – 11.00		Coffee	
11.00 – 11.45	C317	Experimental Design	Marco Bink (WUR)
11.45 – 12.30	C317	GO-enrichment	Aalt-Jan van Dijk (WUR)
12.30 – 13.30		Lunch in the Canteen	
13.30 – 15.00	PC95	Workshop RNA-seq data analysis: Trinity, Tuxedo pipeline in Galaxy	Edouard Severing (WUR)
15.00 – 15.30		Tea	
15.30 – 17.00	PC95	Workshop RNA-seq data analysis ( <i>continued</i> )	Edouard Severing (WUR)
<b>Day 3: Friday, June 7th, 2013: Interpretation &amp; Applications of RNA-seq results</b>			
08.30 – 09.00	Radix !	Coffee	
09.00 – 10.15	C91	Special applications of RNA-seq: Allelic Expression & Imprinting	Ole Madsen (WUR)
10.15 – 10.45		Coffee	
10.45 – 11.30	C91	eQTL analysis	Basten Snoek (WUR)
11.30 – 12.15	C91	Applications of RNA-seq to answer biological questions	Richard Immink (WUR)
12.15 – 13.15		Lunch	
13.15 – 14.15	PC95	Introduction to CLC bio & demonstration	Henri van de Geest (WUR)
14.15 – 15.45	PC95	Workshop: RNA-editing	Ole Madsen (WUR)
15.45 – 16.00	PC95	Wrap-up, evaluation forms & badges, certificates	
16.00 – 17.00		Drinks	