

Schedule for the Practical course spring school in regenerative medicine:

Friday 18th May: (Forskningsparken Lecture room 4 and the Stefan Krauss lab 6th floor)

	Group 1	Group 2
10.00 – 11.00	Introductory session with Stefan Krauss – overview of the course. Everyone together in a seminar room. Room 4	
11.00 – 12.00	Introduction to Real time PCR – Setup of Real Time PCR experiment James	Transfection of HEK cells (dsRED/d1EGFP) Plate Light II cells for luciferase based Shh antagonist assay Plate std1EGFP for Wnt antagonist assay. Martin and Jo
12.00 – 13.00	Transfection of HEK cells (dsRED/d1EGFP) Plate Light II cells for luciferase based Shh inhibition assay Plate std1EGFP for Wnt antagonist assay. Martin and Jo	Introduction to Real time PCR – Setup of Real Time PCR experiment James
13.00 – 14.00	Lunch	
14.00 – 15.00	Analysis of Real Time – James	NSC plated for staining and NSC culturing, Ondrej
15.00 – 16.00	NSC plated for staining and NSC culturing, Ondrej	Analysis of Real Time - James
16.00 – 17.00	Introduction of FACS by James	

Saturday 19th May: (Forskningsparken, Lecture room 10)

	Group 1	Group 2
10.00 – 11.00	Theory NSC /immunostaining Ondrej	
11.00 – 12.00	Microarray theory and analysis Benoit and Martin	
12.00 – 13.00	Antagonist high content screening and analysis (Wnt and Shh) Jo/Martin	
13.00 – 14.00	Lunch – (Pizza order)	

Sunday 20th May: (Forskningsparken, the Stefan Krauss lab 6th floor)

	Group 1	Group 2
10.00 – 11.30	Immunostaining NSC 1. antibody Ondrej/Benoit	FACS analysis of transfected HEK cells and Wnt antagonist assay Jo/Martin
11.30 – 13.00	FACS analysis of transfected HEK cells and Wnt assay Jo/Martin	Immunostaining NSC 1. antibody Ondrej/Benoit
13.00 – 14.00	Lunch – pizza order	
14.00 – 15.00	Immunostaining NSC (2. antibody) Ondrej/Benoit	Biochemical Shh antagonist Luciferase assay measurement and analysis Martin
15.00 – 16.00	Biochemical Shh antagonist Luciferase assay measurement and analysis Martin	Immunostaining NSC (2. antibody) Ondrej/Benoit
16.00 – 17.00	Microscopy Ondrej/Martin	

Monday 21st May: Rikshospitalet, room A3.3067, 3rd floor building A for introductory lectures and the practical part in 3 different labs at rikshospitalet.

	Group 1	Group 2	Group 3
11.00 – 11.30	Theory/intro on transplantation of neural stem cells into rat brain Håvard		
11.30 – 12.00	Theory/intro about in vivo imaging using luciferase in mice Harald		
12.00 – 13.00	Lunch		
13.00 – 13.30	Theory/intro about therapeutic injection of neural stem cells into a chicken embryonic model and Ca imaging on ex vivo organ preparations. Joel Glover		
13.30 – 15.00	Håvard Stem cell injection	Joel Injection into chicken and Ca imaging	Harald In vivo Luciferase imaging
15.00 – 16.30	Harald In vivo Luciferase imaging	Håvard Stem cell injection	Joel Injection into chicken and Ca imaging
16.30 – 18.00	Joel Injection into chicken and Ca imaging	Harald In vivo Luciferase imaging	Håvard Stem cell injection