

RGB-Net Training School MLU Halle September 2014

***Rabbit reproduction and molecular technologies in embryo development:
Embryogenesis, molecular tools and transgenic technologies in the rabbit***

Date	Monday 1.9.2014		Tuesday 2.9.2014		Wednesday 3.9.2014		Thursday 4.9.2014	
Time								
9.00	9.00-10.30	Welcome by Prof. Fischer Lecture 1 Embryogenesis and gastrulation in the rabbit Prof. Viebahn	9:00-11:30	Practical training Blastocyst recovery, gastrulation staging, embryoblast/trophoblast separation (A)	9:00-9:45	Lecture 5 Rabbit miR and stem cells Dr. Elen Gocza	9:00-10.00	Lecture 6 Transgenic technologies in the rabbit Dr. Laszlo Hiripi
	10.45-11.30	Lecture 2 Reproductive biology and reproductive technologies in the laboratory rabbit Prof. Fischer			10:00-12:30	Practical training Single embryo mRNA isolation and RT-PCR Embryo sexing Whole mount staining	10:00-12:30	Practical training Gene expression in embryoblast/trophoblast Whole mount staining
	11:30-12:30	Practical training Stimulation and mating	11:30-12:30		The Nebra Sky Disc			
12:30	12:30-	Lunch	12:30	Lunch	12:30-	Lunch	12:30	Coffee break and Lunch
14:00	14:00-16:00	Practical training Embryo recovery from the rabbit oviduct and uterus	14:00-16:00	Practical training Blastocyst recovery, gastrulation staging, embryoblast/trophoblast separation (B)	14:00-17:00	Practical training Single embryo mRNA isolation and RT-PCR Embryo sexing Whole mount staining		Departure of the participants and trainers
16:00	16:00	Coffee Break	16:00	Coffee break				
16:30	16:30-17:30	Lecture 3 Transcriptome and proteome technologies in the rabbit Dr. Veronique Duranthon	16:30-17:30	Lecture 4 Rabbit as a reproductive model for human health Prof. Fischer	17:00	Excursion: City tour, University Treasury, Händel's Birth Place, Francke Foundations		
	18:00-19:30	Meckel Anatomical Collection						