

SPiRiT -Summer School "Molecular genetics for Zoologists"

v1
September 21th to 25th 2026

	Monday	Tuesday	Wednesday	Thursday	Friday	
9	Introduction (Bucher)	Lecture: NGS - differential expression single cell sequencing (Posnien)	Lecture: Transgenesis (Wimmer)	Poster speed dating	Symposium	
10	Lecture: RNAi (Bucher)	In silico work: NGS: Mapping & differential expression (Posnien)	Group work and discussion: Constructs for transgenesis			Symposium
11	Group work and discussion: RNAi experiments (Terblanche)		Workshop (rptd) - CRIPR strategies - constructs f. trans.			
12	Lecture: Genome editing (Bucher)		Lecture: In situ hybridization (Jackson)	Workshop In situ hybridization		
13	Group work and discussion: Genome editing (Terblanche)					Lecture: NGS - assembly (Posnien)
14	In silico work: CRISPR/Cas9 guide design (Terblanche)	Workshop NGS (Posnien, Mau??)	Workshop dsRNA production	Imaging (Lénárt; Handberg-Thors.)		
15		Microinjections I: Insects: - embryos (2 species) - larvae/pupae/ adults (Bucher & Wimmer)	Lecture: Genes and Orthology (Aguado)		Imaging (Lénárt; Handberg-Thors.)	Consulting (optional)
16	Microinjections II: Snails Annelids Starfish ?????????? (Jackson, Augado,?? Lenart??, Handberg-Thorsager??)			In silico work Orthology inference (Aguado)		
17		Joint order of pizza			Enjoy Göttingen!	
18	Get together With Bier & Brezl	In silico work Orthology inference (Aguado)	Workshop - CRIPR strategies - constructs for transgenesis (Bucher)	Speaker's dinner German food at Hotel Lockemann (Teachers and invited speakers)		Poster session With finger food and beer
19					Get together With Bier & Brezl	
20	Get together With Bier & Brezl	In silico work Orthology inference (Aguado)	Workshop - CRIPR strategies - constructs for transgenesis (Bucher)	Speaker's dinner German food at Hotel Lockemann (Teachers and invited speakers)		

Workshop: Discussion of experimental approaches, questions, counselling

Consulting: Please prepare the specifics of an experiment that you want to perform - then approach a teacher to discuss it

Poster speed dating: Present your poster and profit from questions, discussions and suggestions by experts (four parallel groups, max. 25 min per poster)

Academic organizers/teacher: Maite Aguado, Gregor Bucher, Mette Handberg-Thorsager, Daniel Jackson, Pétér Lénárt, Nico Posnien, Vera Terblanche, Ernst Wimmer

Tutors: Hassan Ahmed, Cherry Leung, Kaatje Klüwers, Christine Mau, Lena Reim, Lorenzo Tettamanti, Pedro Gebhard Apalategui, Claudia Hinners