PhD Summerschool 2025

August 11-15, 2025

TIME	Monday August 11	Tuesday August 12	Wednesday August 13	Thursday August 14	Friday August 15
9:00-9:30	Transport	Introduction to Biodiversity Crisis and AI Solutions (Graham)	Multi-modal learning on healthcare records (Mads)	Project work / exercises	
9:30-10:25		Image-based Representation Learning with Transformers (Joakim) DNA Barcoding Fundamentals and DNA-based representation learning (Graham)	Multi-modal learning on healthcare records (Mads)		Leveraging multimodality for concept-based XAI analysis of vision transformers (Robert)
		Break	Break	Break	Break
10:35-11:00		Multi-modal Contrastive Learning and BIOSCAN-5M (Graham)	Project work / exercises	Project work / exercises	Leveraging multimodality for concept-based XAI analysis of vision transformers (Robert)
11:00-12:00		Advanced Sequence Models for DNA (Graham)	Industry talk: Multi-modal data for hearing devices (Paula)	Project work / exercises	Organizers: Goodbyes
12:00-13:00	*Lunch*	*Lunch*	*Lunch*	*Lunch*	*Lunch*
13:00-13:30	**Organizers:** Welcome and practicalities	Project work / exercises		Case study on multi-modal learning for emotion recognition (Line)	Transport
13:30-14:25	**Organizers:** Introduction to exercises and project work				
	Break - room keys will be handed out	*Break*		*Break*	
14:40-16:20	An intruduction to multi-modal learning (Dimitrios)	Self-Supervised Learning for Clustering (Joakim) Beyond Euclidean - Hyperbolic Representation Learning (Joakim)	**Social event**	Project work / exercises	
	Break	*Break*		*Break*	
16:30-18:00	Multi-modal learning in the vision community (Dimitrios)	Project work / exercises		**Project presentations**	
18:00-19:00	*Dinner*	*Dinner*	*Dinner*	**Organizers:** Sum up and evaluations	
19:00-22:00	**Student poster session**			*Summerschool celebration dinner*	