	Monday 2023-09-18	Tuesday 2023-09-19	Wednesday 2023-09-20	Thursday 2023-09-21	Friday 2023-09-22
09:00		Coffee	0-#	0-#	0-#
09:15		Opening remarks (5 mins)	Coffee	Coffee	Coffee
9:30					
)9:45		Keynote: Sara Beery	Keynote: Christy Anna Hipsley	Keynote: Alexander Mathis	Keynote: Luca Pegoraro
10:00		Open Challenges in Generalizable Computer Vision for	Visualising evolution in 4D: prospects and	Deep Learning Tools for the Analysis of Movement,	Towards automated insect monitoring in the wild:
10:15		Ecology	challenges for large-scale CT datasets	Identity & Behavior	promises and challenges
10:30					
		Fika	Fika	Fika	Fika
10:45					
11:00		Magali Frauendorf - Species and sex/age class identification	Yichen He (for Anjali Goswami) - Biodiversity Phenomics: From	Valentin Gillet - From image stacks to neuronal connections:	Maja Tarka - Measuring multivariate beetle morphology in wild
		models for trap cam images of Swedish wildlife	Development to Deep Time	machine learning reveals insect neuroanatomy	populations
11:15					
		Jonas Hentati-Sundberg - Sensors and AI for automated seabird monitoring	Yichen He - A Deep Learning Pipeline to Quantify Cranial Suture Morphology from 3D Scans	Harshith Bachimanchi - Bringing microplankton to focus: Holography and deep learning	Najmeh Abiri - Tick Species Classification Using Deep Learning Models: Challenges and Solutions in Citizen Science Projects
	free	monitoring			
11:30			Sridhar Halali - Using micro-CT imaging to unravel the evolution	Hanbang Zou - Deep learning-based object detection for soil	Ola Olsson - High-throughput quantitative pollen analysis base
		Lars Holmberg - Ageing and sexing birds	of sensory traits in butterflies	bacterial community analysis in microfluidics	on computer vision and deep learning
11:45					
11.45		Chris Cooney - Advancing the study of bird colour evolution	free	Nikolay Oskolkov - Applications of Computer Vision for Studying	Giuseppe Bianco - Engineering image acquisition for CV
		using AI and computer vision		Cell Morphology	
12:00					
12:15					
12:30		LUNCH (self-catered)	LUNCH (self-catered)	LUNCH (self-catered)	LUNCH (self-catered)
12:45					
13:00					
13:15					
		Keynote: Ben Weinstein	Keynote: Allison Hsiang	Keynote: Seth Donoughe	Keynote: Quentin Geissmann
13:30		Towards general models for airborne ecological	Deep learning in deep time: Using computer vision	Quantifying tissue traits to reveal how developmental	Insect Ecology in the Digital Age: Smart Traps and
13:45		monitoring	and automation to study morphology and structure	mechanisms shape macroevolutionary trajectories	Automated Identification
14:00	Coffee		of microfossil communities		
14:15		Fika	Fika	Fika	Closing Remarks (5 mins)
14:30	Emanuel Larsson - Image Analysis and Visualization				
14:45	support at Lund University		Meghan Balk - Assessing evolvability in a fossil lineage using a	Matteo Redana - "Tracking" thermal sublethal effect for freshwater	
		Workshop lecture: Ben Weinstein	CV pipeline to produce phenomic data set	ectotherms	
15:00		A short introduction to applied computer vision	Roberta Hunt - Using AI to Generate Phylogenetic Trees from	Erik Svensson - Using thermal imaging to study quantitative	
	Alexandros Sopasakis - Building Autonomous Image		Roberta Hunt - Using AI to Generate Phylogenetic Trees from Images of Pinned Insects	genetics and selection on plasticity and thermal adaptation	
15.45	Analysis Systems for Applications in Ecology		Mandan I. Watan J. Managina and an and a second		
15:15			Moritz Lurid - Mapping out morphospace in a color-polymorphic		
10:15		Workshop lecture: Allison Hsiang	Moritz Lürig - Mapping out morphospace in a color-polymorphic insect using deep learning		
		Workshop lecture: Allison Hsiang Building training datasets		Open panel discussion 1	
15:15				- Open panel discussion 1	
15:30	Fika	Building training datasets	insect using deep learning Masahito Tsuboi - What phenomics will and will not teach us		free / time for meetings
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