

Programma PhD Day		12-13 Febbraio 2024		
12 Febbraio				
Orario	Relatore	Presenza/online	Titolo presentazione	Titolo Progetto Dottorato
09:00 - 10:00	Apertura Prof. Cavalieri			
10:00 - 10:15	Francesca Vaccaro	Presenza	The challenge of creating Synthetic Communities: Systems Biology approaches to uncover rhizobial interactions in a complex rhizosphere	Formulazioni di bioinoculanti di nuova generazione attraverso approcci di biologia dei sistemi per incrementare resa e resilienza della produzione agricola sostenibile.
10:15 - 10:30	Tania Alonso Vasquez	Presenza	Monitoring and modelling of microbial activity in wastewater treatment plants and identification of potential biotechnological targets	Monitoring and modelling of microbial activity in wastewater treatment plants and identification of potential biotechnological targets
10:30 - 10:45	Lorenzo Ballini	Presenza	eDNA approaches for freshwater biodiversity monitoring	La genomica a servizio della conservazione della biodiversità: creazione di librerie barcoding per specie animali europee in pericolo, con particolare riferimento agli ambienti acquatici.
10:45 - 11:00	Marco Dainelli	Presenza	Micro- and nanoplastics: an invisible threat to plants and ecosystems	Exploring micro- and nanoplastic pollution in freshwater and terrestrial ecosystems: evaluation of the effects on higher plants with emphasis on genotoxicity
11:00 - 11:15	Domenico Celi	Presenza	Rosy discoloration of Carrara marble: abiotic or biotic origin?	Innovative technologies for detection, analysis and control of microbial communities involved in biodeterioration of cultural heritage of historic centers
11:15 - 11:30	Giacomo Chini	Presenza	Thermal performance of tadpoles as a key factor for the future distribution of Bufo bufo, Bufotes viridis and Rana italica in the current climate change scenario	The impact of climatic changes on Italian freshwater communities: an eco-physiological approach
11:30 - 11:45	Filippo Chisci	Presenza	Marine gastropod P. turbinatus persistently avoids cliff areas impacted by artificial light at night (ALAN)	L'impatto dell'inquinamento sensoriale sugli ecosistemi costieri
11:45 - 12:00	Gaia Regini	Presenza	Thallium tolerance in metallicolous and non-metallicolous accessions of Silene latifolia	Study of innovative strategies to improve the phytoremediation of widespread contaminants in Tuscany
12:00 - 12:15	Margherita Vanni	Presenza	Crossing the Sea: ancient human genomes to study the evolutionary dynamics of Sicily, Sardinia and Corsica_ work in progress	Crossing the Sea: ancient human genomes to study the evolutionary dynamics of Sicily, Sardinia and Corsica.
12:15 - 14:00 Pausa pranzo				
14:00 - 14:15	Marcella Sozzoni	Online	Analysis of whole genome sequencing data and integration of ecological and genomic information to investigate the demographic history of vertebrates	Analysis of whole genome sequencing data and integration of ecological and genomic information to investigate the demographic history of vertebrates
14:15 - 14:30	Samuele Pagani	Online	Coastal lagoons with molluscs farming: evaluation of biogeochemical services, thresholds and risks	Coastal lagoons with molluscs farming: evaluation of biogeochemical services, thresholds and risks
14:30 - 14:45	Emanuela Franchella	Online	Intestinal immune cells in parasitized teleosts and uninfected elasmobranchs	immune cells in teleosts and elasmobranchs, infected and uninfected
14:45 - 15:00	Elena Bellavere	Online	The use of simple eyes in non marine ostracods	Cognitive ecology in freshwater invertebrates: empirical and applied perspectives
15:00 - 15:15	Michele Lai	Online	Relazione tra fenologia fogliare e crescita nelle piante forestali	In che misura aumenterà l'esposizione al rischio di danno da gelata tardiva, in Fagus sylvatica L., nelle foreste dell'appennino.
15:15 - 15:30	Lorenzo Benetti	Online	Strategie innovative per la protezione delle colture	Nuove strategie ecosostenibili per la lotta contro fitofagi delle piante
15:30 - 15:45	Lisa Baldi	Online	Impact assessment of GHG mitigation policy and subsidy to organic farming in Emilia Romagna using an Agent Based - Positive Mathematical Programming Model	Predicting the effect of the Common Agricultural Policy (CAP) measures on the supply of ecosystem services (ESS) through positive agent-based modelling
15:45 - 16:00	Micaela Ciervo	Online	Preliminary Paleogenetic analysis on human theet from Pre-Columbian hunter-gatherer and horticulturalists context in the lower Parana River basin (Southeastern South America)	Investigating the demographic history of late Holocene hunter-gatherer and horticulturalist human groups of Southeastern South America through a paleogenetic approach
16:00 - 16:15	Christoper Riccardi	Online	Computational modeling of omics data from condition-dependent datasets	Computational modeling of omics data from condition-dependent datasets
13 Febbraio				
Orario	Relatore	Presenza/online	Titolo presentazione	Titolo progetto dottorato
09:00 - 10:00	Apertura Prof. Cavalieri			
10:00 - 10:15	Stefania Smargiassi	Presenza	Interazioni "trait-mediated" in agroecosistemi: sviluppo di metodi innovativi di controllo biologico	Interazioni "trait-mediated" in agroecosistemi: sviluppo di metodi innovativi di controllo biologico
10:15 - 10:30	Lorenzo Pasquali	Presenza	Competizione per le risorse su una piccola isola: Giannutri come modello per una apicoltura sostenibile	Un laboratorio a cielo aperto sull'isola di Giannutri per favorire un'apicoltura sostenibile in ambiente marittimo
10:30 - 10:45	Giulia Semenzato	Presenza	Phenotypic and phenomic characterization of bacterial endophytes associated with the medicinal plant <i>Origanum heracleoticum</i>	Caratterizzazione del microbioma di piante medicinali finalizzata alla scoperta di nuovi principi attivi naturali
10:45 - 11:00	Antonia Esposito	Presenza	The use of microbial based inoculants for enhancing the tolerance of tomato plants to different abiotic stress conditions: preliminary results	Utilizzo di bioinoculi microbici per migliorare performance e tolleranza di pomodoro a seguito di stress biotici/abiotici.
11:00 - 11:15	Iacopo Passeri	Presenza	Epigenetic complexity of the nitrogen-fixing bacterium <i>Sinorhizobium meliloti</i>	Biodiversità dell'epigenoma batterico e suo ruolo nel controllo trascrizionale nei microorganismi di interesse per l'agricoltura sostenibile
11:15 - 11:30	Rajiv Boscolo Agostini	Presenza	<i>The evolutionary history of Italy from Mesolithic to the present: lessons from ancient genomes</i>	<i>The evolutionary history of Italy from Mesolithic to the present: lessons from ancient genomes</i>
11:30 - 11:45	Oana Catalina Moldoveanu	Presenza	Environmental amelioration of marginal and non-productive areas for the conservation of pollinator insects	Environmental amelioration of marginal and non-productive areas for the conservation of pollinator insects
11:45 - 12:00	Francesco Savarino	Presenza	ANALISI PALEOGENOMICHE SU INDIVIDUI UMANI RINVENUTI A POMPEI	ANALISI PALEOGENOMICHE SU INDIVIDUI UMANI RINVENUTI A POMPEI
12:00 - 14:00 pausa pranzo				
14:00 - 14:15	Alessandro Russo	Online	Seafood safety and traceability: developing tools based on metagenomic approaches	Seafood safety and traceability: developing tools based on metagenomic approaches

14:15 - 14:30	Francesca Visentin	Online	Linking edaphic communities and humus forms in forest soils hit by Vaia storm	RELAZIONI FUNZIONALI TRA COMUNITÀ EDAFICHE, FORME DI HUMUS E SEQUESTRO DI C ORGANICO NEL SUOLO IN AREE COLPITE DALLA TEMPESTA VAIA E SOTTOPOSTE A DIVERSI TIPI DI GESTIONE FORESTALE
14:30 - 14:45	Livia Tolve	Online	Whole mitochondrial genome sequencing provides new insights into the phylogeography of loggerhead turtles (<i>Caretta caretta</i>) in the Mediterranean Sea	Sequenziamento di genomi di riferimento di specie non modello per la conservazione della biodiversità e dei servizi ecosistemici Europei
14:45 - 15:00	Gaia De Russi	Online	Biology of spatial and migratory behaviour in teleost fishes	Biodiversity of traits covariation in teleost fishes
15:00 - 15:15	Maria Cavallero	Online	STUDY OF THE METABOLIC AND PHYSIOLOGICAL VARIATIONS OF PLANTS IN RESPONSE TO MYCOTOXINS TREATMENT	STUDY OF THE METABOLIC AND PHYSIOLOGICAL VARIATIONS OF PLANTS IN RESPONSE TO MYCOTOXINS TREATMENT
15:15 -15:30	Elisa Samori	Online	Daily rhythms of physiological processes in European sea bass: synchronization to light and feeding cycles	Daily rhythms of physiological processes in European sea bass: synchronization to light and feeding cycles, and effects on growth and welfare
15:30 - 15:45	Luna Ardondi	Online	<i>Light- and substrate-driven variations in microalgal metabolism for biotechnological applications</i>	<i>Light- and substrate-driven variations in microalgal metabolism for biotechnological applications</i>
15:45 -16:00	Miriam Negussu	Online	Studying Plant Memory in Response to Water Stress	Valorizzazione della biodiversità di colture sostenibili in risposta ai cambiamenti climatici"
16:00 - 16:15	Francesca Conti	Online	improving feeding protocols Of fish	easyTRAIN: Eco-Innovative Aquaculture System Training for European Industrial Doctorates
16:15 - 16:30	Santiago Pintos	Online	Improving fish welfare assessment in aquaculture and aquaponics system	Improving fish welfare assessment in aquaculture and aquaponics system
16:30 - 16:45	Francois Husson	Online	ECO-INNOVATIVE AQUACULTURE SYSTEM TRAINING FOR EUROPEAN INDUSTRIAL DOCTORATES: Matching biological rhythms in aquaponics.	Synchronisation of fish and plant rhythms in aquaponics: matching rhythms of excretion and nutrient uptake.
17:00 - 17:15	Benedetta Cerasuolo	Online	Yeasts ecological interactions in the context of Crohn's disease	