



UNIVERSITÀ
CATTOLICA
del Sacro Cuore



CREI

Centro di ricerca Romeo ed Enrica Invernizzi
per le produzioni lattiero-casearie sostenibili



UNIVERSITÀ
CATTOLICA
del Sacro Cuore



IRCAF

Centro di riferimento agro-alimentare
Romeo ed Enrica Invernizzi
Invernizzi Reference Center on Agri-food



UNIVERSITÀ
CATTOLICA
del Sacro Cuore

Funzione Formazione Post laurea & Research Partnership

Formazione permanente Piacenza-Cremona

Summer School AI for Life Sciences and Agri-Food Research

MONDAY July 20	TIMING	COURSE TOPIC	LECTURER
From Scientific Questions to Knowledge: AI for Literature and Evidence Synthesis			
MORNING	8.00 am - 8.30 am	Registration	
	8.45 am - 9.00 am	Welcome	PAOLO AJMONE MARSAN
	9.00 am - 10.30 am	Artificial Intelligence in Agriculture & Animal Systems	ANDREA ROSATI
	10.30 am - 11.00 am	Coffee break	
	11.00 am - 12.30 am	AI-assisted extraction and organization of literature metadata: from automated pipelines to human curation	EDOARDO PUGLISI
	12.30 am	Lunch	
AFTERNOON	2.00pm - 3.30 pm	AI-assisted extraction and organization of literature metadata: from automated pipelines to human curation	FILIPPO VACCARI
	3.30pm - 4.00pm	Coffee break	
	4.00pm - 5.30pm	AI-assisted extraction and organization of literature metadata: from automated pipelines to human curation	FILIPPO VACCARI



TUESDAY July 21	TIMING	COURSE TOPIC	LECTURER
Experimental Design and Exploratory Data Analysis with AI			
MORNING	9.00 am - 10.30 am	From data to insights: AI agents for biological analysis pipelines	ALBERTO RIVA
	10.30 am - 11.00am	Coffee break	
	11.00 am - 12.30 am	From data to insights: AI agents for biological analysis pipelines	ALBERTO RIVA
	12.30am	Lunch	
AFTERNOON	2.00pm - 3.30 pm	Building AI assistants for omics data interpretation	CAMILLA CALLIEROTTI
	3.30pm - 4.00pm	Coffee break	
	4.00pm - 5.30pm	Building AI assistants for omics data interpretation	CRISTINA CHERONI
Data Analysis and Predictive Modeling			
WEDNESDAY July 22	TIMING	COURSE TOPIC	LECTURER
MORNING	9.00 am - 10.30 am	Synthetic data generation: challenges and opportunities	FRANCESCA CORDERO



UNIVERSITÀ
CATTOLICA
del Sacro Cuore



CREI

Centro di ricerca Romeo ed Enrica Invernizzi
per le produzioni lattiero-casearie sostenibili



IRCAF

Centro di riferimento agro-alimentare
Romeo ed Enrica Invernizzi
Invernizzi Reference Center on Agri-food

Funzione Formazione Post laurea & Research Partnership

Formazione permanente Piacenza-Cremona

	10.30 am - 11.00am	Coffee break	
	11.00 am - 12.30 am	Introduction to neural network models	FILIPPO BISCARINI
	12.30am	Lunch	
AFTERNOON	2.00pm - 3.30 pm	Neural network models for 'omics data: a primer	FILIPPO BISCARINI
	3.30pm - 4.00pm	Coffee break	
	4.00pm - 5.30pm	Practicals: Neural network models	FILIPPO BISCARINI
THURSDAY July 23	TIMING	COURSE TOPIC	LECTURER
Writing, Publishing, and Communicating Science with AI			
MORNING	9.00 am - 10.30 am	Generative AI in Research Practice: Tools and Best Practices for Scientific Writing and Communication	IRENE FABBRI
	10.30 am - 11.00am	Coffee break	
	11.00 am - 12.30 am	Generative AI in Research Practice: Tools and Best Practices for Scientific Writing and Communication	IRENE FABBRI
	12.30am	Lunch	



Funzione Formazione Post laurea & Research Partnership

Formazione permanente Piacenza-Cremona

AFTERNOON	2.00pm - 3.30 pm	From Principles to Practice: A Hands-on Workshop on Using Generative AI for Scientific Writing and Communication	IRENE FABBRI
	3.30pm - 4.00pm	Coffee break	
	4.00pm - 5.30pm	From Principles to Practice: A Hands-on Workshop on Using Generative AI for Scientific Writing and Communication	IRENE FABBRI
FRIDAY July 24	TIMING	COURSE TOPIC	LECTURER
AI Agents, Digital Twins, and Societal Implications			
MORNING	9.00 am - 10.30 am	Generative AI → AI as an assistant → AI as an agent → AI as an agentic system	FABRIZIO CAPOCASALE
	10.30 am - 11.00am	Coffee break	
	11.00 am - 12.30 am	Presentation of Certificates	PAOLO AJMONE MARSAN
	12.30am	Lunch	
AFTERNOON	2.00pm - 5.30 pm	Round Table	BEATRICE LA PORTA
			MICHELE PALEOLOGO
			ROBERTO MAIER
			FABRIZIO CAPOCASALE
			ANDREA CIUCCI
			EMANUELE DONATI

LECTURERS



ANDREA ROSATI
Federazione Europea
Di Zootecnia, IT



EDOARDO PUGLISI
Università Cattolica, IT



ALBERTO RIVA
Human Technopole, IT



FRANCESCA CORDERO
Università di Torino, IT



FILIPPO BISCARINI
Istituto di Biologia e
Biotecnologie agrarie –CNR, IT



IRENE FABBRI
Rizzoli Education, IT

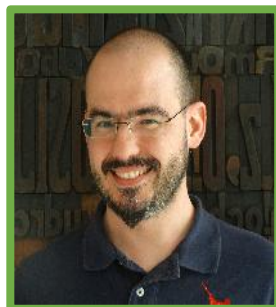


FABRIZIO CAOCASALE
Consulente IA , IT

DEMONSTRATORS



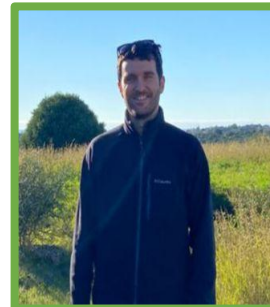
MARCO MILANESI
Università Cattolica, IT



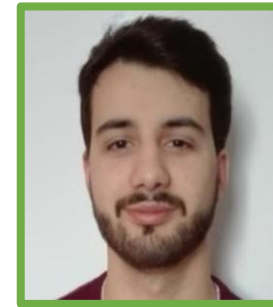
MARIO BARBATO
UniME, IT



STEFANO CAPOMACCIO
UniPG, IT



ELIA VAJANA
IBBR-CNR, IT



FILIPPO VACCARI
Università Cattolica, IT



CAMILLA CALLIEROTTI
Human Technopole, IT



CRISTINA CHERONI
Human Technopole, IT