



**UNIVERSITÀ  
DI FOGGIA**



## **PROGRAMME**

### **Advanced BlueBio Training Course:**

*“Blue Bio-refinery technologies: from research to the industry with applications on products and biomaterial from algal biomass and sidestreams of fisheries and aquaculture”*

**15<sup>th</sup>-18<sup>th</sup> January 2023**

**University of Foggia, Foggia (Italy)**

Advanced BlueBio Training course: “Blue Bio-refinery technologies: from research to the industry with applications on products and biomaterial from algal biomass and sidestreams of fisheries and aquaculture”, 15<sup>th</sup>-18<sup>th</sup> January 2023, University of Foggia, Foggia (Italy).

Sunday 15th January	Monday 16th January	Tuesday 17th January	Wednesday 18th January
	<p><b>Moderator:</b>  <b>Gianna Fabi</b>  (CNR, Italy)</p>	<p><b>Moderator:</b>  <b>Dennis Lisbjerg</b>  (DTU-AQUA, Denmark)</p>	<p><b>Moderator:</b>  <b>Renata Denaro</b>  (CNR, Italy)</p>
<p><b>Arrival</b></p>	<p>8.45</p> <p><b>Welcome &amp; Programme presentation</b>  <i>Prof Matteo Francavilla</i></p> <p>Institutional greetings from Rector of  University of Foggia  <i>Prof Pierpaolo Limone</i></p> <p>and</p> <p>Head of Department of Agriculture, Foods,  Natural Resources and Engineering  <i>Prof Milena Sinigaglia</i></p> <p>9.00</p> <p><b>BlueBio ERANET Cofund</b>  Project coordinator, RCN, Norway  <i>Dr Kristin Elisabeth Thorud</i>  <i>(by remote)</i></p> <p>and</p> <p>Task 7.3 Leader, CNR, Italy  <i>Dr Bernardo Patti</i></p>	<p>8.45</p> <p><i>Wrap-up by trainees</i></p>	<p>8.45</p> <p><i>Wrap-up by trainees</i></p>

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	Module 1 Seaweeds Blue-Biorefinery	Module 2 Fishery and Aquaculture Biowastes Blue-Biorefinery	Module 3 From Academia to Industry:
	9.30 Green Chemistry and Biorefinery <i>Prof Rafael Luque</i> <i>University of Cordoba, Spain</i>	9.00 Biochemical conversion of fishery bio waste into value products <i>Prof Lene Lange</i> <i>Bioeconomy Research &amp; Advisor Denmark</i>	9.00 BlueBio projects presentation. Constraints to reach the market (by remote) <b>MEDSPON Project</b> <i>Dr. Joachim Henjes,</i> <i>Alfred Wegener Institute,</i> <i>Bremerhaven, Germany</i> <b>BIOZOOSTAIN project</b> <i>Prof. María Guðjónsdóttir,</i> <i>Faculty of Food Science and Nutrition,</i> <i>University of Iceland,</i> <i>Reykjavík, Iceland</i> <b>BestBrood project</b> <i>Dr Jorge Galindo-Villegas</i> <i>Faculty of Biosciences and Aquaculture, NORD</i> <i>University,</i> <i>Bodø, Norway</i>

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			InEVal Project <i>Dr Matthew Slater, Alfred Wegener Institute, Bremerhaven, Germany</i>
	10.30 Marine Based Green Chemistry <i>Prof Matteo Francavilla University of Foggia, Italy</i>	10.00 Unlocking the potential of crustacean waste: solvent-free, mechanochemical pathways to added-value materials <i>Prof Audrey Moores McGill University, Canada</i>	10.00 EU Blue Bioeconomy and Blue Biotechnologies – emerging sectors of the European Green Deal <i>Mr Maris STULGIS Policy officer on Blue Bioeconomy, Algae and Marine Aquaculture EC Directorate-General for Maritime Affairs and Fisheries, Brussels, Belgium (by remote)</i>
	11.30 Coffee break	11.00 Coffee break	11.00 Coffee break

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	<b>12.00</b> Mediterranean Seaweed biorefinery for valuable compounds and advanced materials <i>Prof Matteo Francavilla</i> University of Foggia, Italy	<b>11.30</b> Shellfish conversion to advanced material <i>Prof Giuseppe Falini</i> University of Bologna, Italy	<b>11.30</b> Technology Transfer and function of Mediterranean Innovation Alliance for Sustainable Blue Bioeconomy (MedIA-SBB) <i>Dr Cristian Chiavetta</i> ENEA, Italy
	<b>12.30</b> Bio-plastic from seaweeds <i>Dr Oystein Arlov</i> SINTEF, Trondheim, Norway	<b>12.30-18.00</b> Visit to IMTA Plant (FEAMP Research Project, UNIFG) Packed Lunch and transfer to North Gargano, Adriatic Sea	<b>12.00</b> Case Studies: Fishery Biowaste industrial conversion <i>Dr Zouhir El Marsni</i> SEAGARDEN AS, Norway
	<b>13.00</b> Hydrocolloids from seaweeds <i>Dr Oystein Arlov</i> SINTEF, Trondheim, Norway		<b>12.30</b> Biostimulants from seaweeds <i>Dr Valentino Russo</i> South Agro srl, Taranto, Italy
	<b>13.30</b> Lunch		<b>13.00</b> Lunch

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	15.00-18.00 Biorefinery Lab Activity STAR*Facility Centre - University of Foggia		14.30 Practice on biorefinery process planning based on the day-lectures Teamwork Discussion
			16.30 Feedback from participants
From 18.30 Welcome, technical details, organisation, programme, get together, query about expectations			17.00 Final test Certification from UNIFG
	18.00 End of Day 1	18.00 End of Day 2	18.00 End of Day 3
19.00 Ice breaking presentation	Site visit (Foggia)	Site visit (Gargano)	

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2' per student			
20.00 Social dinner event	20.00 Social dinner event	20.00 Social dinner event	