



**Integrated advanced training course on Blue Biotechnologies, Aquatic products and Blue Bio-economy**  
CNR-IRBIM, Messina, Italy, 15-19 March 2021

# Integrated advanced training course on Blue Biotechnologies, Aquatic products and Blue Bio-economy

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Tasting webinar (1st March 2021): Getting to know each other

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Arrival</b>	<b>8.45</b> Welcome by <i>BlueBio &amp; BlueMed</i> & Programme presentation, by <i>Renata Denaro, CNR</i>	<b>8.45</b> Wrap-up by <i>trainees</i>	<b>8.45</b> Wrap-up by <i>trainees</i>	<b>8.45</b> Wrap-up by <i>trainees</i>	<b>8.45</b> Wrap-up by <i>trainees</i>
	<b>Module 1</b> General introduction on Marine Biotechnology and future perspectives	<b>Module 2</b> Pipeline of Marine Biotechnologies and related tools	<b>Module 3</b> Practical approach, showcasing marine biotech inspiring experiences	<b>Module 4</b> Management in Marine Biotechnologies	<b>Final Day</b>
	<b>9.00</b> Marine biore-sources (biodiversity, bioproducts, biomaterials, services), by <i>Renata Denaro, CNR</i>	<b>9.00</b> Coronavirus and the food chain: The contribution of innovative aquatic food products, by <i>Saloua Sadok, INSTM</i>	<b>9.00</b> Bioprospecting biomass valorization, company experience, by <i>Giuseppe Falini (CASEAWA), Håvard Sletta (SNAP) &amp; Øystein Arlov (PlastiSea)</i>	<b>9.00</b> Challenges for researchers, IP and legal aspects, by <i>Alessia Naso, CNR</i>	<b>9.00 Test</b>
	<b>10.00</b> Bioprospecting of marine resources and pipelines,	<b>10.00</b> Isolation and structure characterization of novel marine	<b>10.00</b> Bioprospecting medical device, company experience,	<b>10.00</b> Knowledge and Technology transfer,	

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	<i>by Fernando Reyes, Fundación MEDINA &amp; Susana Gaudencio, UCIBIO FCT- NOVA</i>	compounds chemical and biochemical tools, <i>by Angelo Fontana, CNR</i>	<i>by Henrik Lund (Aqua-Heal3D)</i> * Bioprospecting, bioinspired processes, company experience, <i>by Ingrid Bakke (RASbiome) &amp; Arne Malzahn (SIDE-STREAM)</i>	research results values, <i>by Roberto Cimino, Italian Cluster BIG</i>	
	<b>11.00</b> Coffee break	<b>11.00</b> Coffee break	<b>11.00</b> Coffee break	<b>11.00</b> Coffee break	<b>11.00</b> Coffee break
	<b>11.30</b> Global market, potential of marine biotechnology, <i>by Gaia Raffaella Greco, CNR</i>	<b>11.30</b> Omics approach (metagenomics, metaproteomic, metabolomics), <i>by Peter Golyshin, Bangor University</i>	<b>11.30</b> Exploring, development, exploiting natural products, a model approach: Resources from Urban Bio-waste, <i>by Mauro 3, La Sapienza Rome University</i>  * And the winner is...  <b>12.00</b> Targeting actions: the SOPHIE Strategic Research Agenda for Oceans and Human Health, <i>by Sam Dupont, University of Gothenburg, SOPHIE Expert</i>	<b>11.30</b> Marine bioeconomy and biotechnologies, <i>by Hjörleifur Einarsson, University of Akureyri</i>	<b>11.30</b> LivingLab on BlueBiotech COMM strategies, <i>by Ana Rotter, Ocean4Biotech</i>

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			<i>Group and Scientific Advising Committee</i>		
	<b>12.30</b> Infrastructures and blue-biobanks, <i>by Ilaria Nardello, ERAMARIS</i>	<b>12.30</b> Bioinformatics tools, gene mining, <i>by Giuseppe D'Auria, FISABIO</i>	<b>12.30</b> Roundtable "Opportunities beyond research: the role of coordination actions", <i>Ocean4biotec, BlueBio, BlueMed, B-Blue, Industry network</i>	<b>12.30</b> Developing business: interaction between research and private companies, <i>by Alexia Massa-Gallucci, AquaBioTech Group</i>	
	<b>13.30</b> Lunch	<b>13.30</b> Lunch	<b>13.30</b> Lunch	<b>13.30</b> Lunch	<b>13.30</b> Lunch
	<b>15.00</b> Pipeline themes/1: Microbiome in the aquaculture setting, <i>by Gianmarco Luna, CNR</i>	<b>15.00</b> High-throughput technology platforms (screenings, target-based assay, process development), <i>by IRBM Pomezia High Throughout Biology and Screening department (TBC)</i>	<b>15.00</b> Site visit, Italian Navy, Oil pollution National Emergency Plan	<b>15.00</b> Brainstorming case study: researcher, company, stakeholders, end-users, <i>by Technology Cluster BIG (R. Ciminò), Pole Mer Méditerranée (TBC), Consorzio Italbiotech (D. Bosco), Hweta-oil Start-up (TBC)</i>	<b>15.00</b> Conclusions, follow-up and greetings
	<b>15.30</b> Pipeline themes/2: Bioproducts and biomaterial: Algae biorefinery, <i>by Matteo Francavilla, UNIFG</i>				
<b>From 16.00</b> Welcome, technical details, organisation, programme, get together, query about expectations	<b>16.00</b> Pipeline themes/3: Services; bioremediation, <i>by Michail Yakimov, CNR</i>	<b>16.00</b> Hands' on time: demonstration on upscaling practical approach (micro-mesoscale systems facilities), <i>by Simone Cappello, CNR</i>		<b>16.00</b> End of Day 4 and Tour of Taormina	<b>16.00</b> Departure
	<b>16.30</b> Pipeline themes/4: Applications: chitosan use in				

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	dentistry, by <i>Marco Ciccio, University of Messina</i>				
	17.00 Q&As for pipelines				
	18.00 End of Day 1	18.00 End of Day 2	18.00 End of Day 3		
19.00 Ice breaking presentation (bring your object)	19.00 Knowing each other, on the sofa (to be continued)	19.00 Knowing each other, on the sofa	19.00 Reflection aperitif on Blue biotechnologies: bioethics and international bio-law profiles, <i>Cinzia Caporale and Ilja Richard Pavone, CNR-Interdepartmental Center for Research Ethics and Integrity</i>		
20.00 Social aperitif	20.00 Live-cooking with Algae!	20.00 Social dinner			