



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

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Arrival	8.45 Welcome by <i>BlueBio</i> (Kristin Thorud) & <i>BlueMed</i> (Margherita Cappelletto) & Programme presentation, by Renata Denaro, CNR	8.45 Wrap-up by trainees	8.45 Wrap-up by trainees	8.45 Wrap-up by trainees	8.45 Wrap-up by trainees
	Module 1 General introduction on Marine Biotechnology and future perspectives	Module 2 Pipeline of Marine Biotechnologies and related tools	Module 3 Practical approach, showcasing marine biotech inspiring experiences	Module 4 Management in Marine Biotechnologies	Final Day
	9.00 Marine biore-sources (biodiversity, bioproducts, bio-materials, services), by Renata Denaro, CNR	9.00 Isolation and structure characterization of novel marine compounds chemical and biochemical tools, including High-throughput technology platforms, by Angelo Fontana, CNR	9.00 Bioprospecting biomass valorization, company experience, by Giuseppe Falini (CASEAWA), Øystein Arlov (PlastiSea), Håvard Sletta (SNAP, TBC)	9.00 Challenges for researchers, IP and legal aspects, by Alessia Naso, CNR	9.00 Brainstorming case study: researcher, company, stakeholders, end-users, by Technology Cluster BIG (Roberto Cimino), Pole Mer Méditerranée (Colin Ruel),

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	<p>10.00 Bioprospecting of marine resources and international protocols for protection, <i>by Fernando Reyes, Fundación MEDINA & Susana Gaudencio, UCIBIO FCT- NOVA</i></p>	<p>10.00 Omics approach (metagenomics, metaproteomic, metabolomics), <i>by Peter Golyshin, Bangor University</i></p>	<p>9:30 Bioprospecting medical device, company experience, <i>by Henrik Lund (Aqua-Heal3D, TBC)</i> *</p> <p>10:00 Bioprospecting, bioinspired processes, company experience, <i>by Ingrid Bakke (RASbiome) & Arne Malzahn (SIDE-STREAM)</i></p>	<p>10.00 Knowledge and Technology transfer, research results values, <i>by Roberto Cimini, Italian Cluster BIG</i></p>	<p><i>Consorzio Italbiotech (Diego Bosco), Hweta-oil Start-up (Sonia Ben Rejeb)</i></p>
	<p>11.00 Coffee break</p>	<p>11.00 Coffee break</p>	<p>11.00 Coffee break</p>	<p>11.00 Coffee break</p>	<p>11.00 Coffee break</p>
	<p>11.30 Global market, potential of marine biotechnology, <i>by Gaia Raffaella Greco, CNR</i></p>	<p>11.30 Bioinformatics tools, gene mining, <i>by Giuseppe D'Auria, FISABIO</i></p>	<p>11.30 Exploring, development, exploiting natural products, a model approach: Resources from Urban Bio-waste (ResUrbis), <i>by Mauro Maione, La Sapienza Rome University</i> *</p> <p>12:00 And the winner is...</p>	<p>11.30 Marine bioeconomy and biotechnologies, <i>by Hjörleifur Einarsson, University of Akureyri</i></p>	<p>11.30 LivingLab on BlueBiotech COMM strategies, <i>by Ana Rotter, Ocean4Biotech</i></p>

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			12.15 Targeting actions: the SOPHIE Strategic Research Agenda for Oceans and Human Health, <i>by Sam Dupont, University of Gothenburg, SOPHIE Expert Group and Scientific Advising Committee</i>		
	12.30 Infrastructures and blue-biobanks, <i>by Ilaria Nardello, ERAMARIS</i>	12.30 Hands-on time: coding, <i>by Giuseppe D'Auria, FISABIO</i>	12.45 Roundtable "Opportunities beyond research: the role of coordination actions", <i>Ocean4biotec (by Ana Rotter), BlueBio (by Kristin Thorud), Blue-Med (by Margherita Cappelletto), B-Blue (by Cristian Chiavetta)</i>	12.30 Developing business: interaction between research and private companies, <i>by Alexia Massa-Gallucci, AquaBioTech Group</i>	
	13.30 Lunch	13.30 Lunch	13.30 Lunch	13.30 Lunch	12:30 Conclusions, follow-up and greetings
	15.00 Pipeline themes/1: Microbiome in the aquaculture setting, <i>by Gianmarco Luna, CNR</i>	15.00 Hands' on time: demonstration on upscaling practical approach (micro-mesoscale systems)	15.00 End of Day 3 and <i>Tour of Taormina</i>	15.00 Reflection on Blue biotechnologies: bioethics and international bio-law profiles, <i>Cinzia Caporale and</i>	15.00 Departure

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	15.30 Pipeline themes/2: Bioproducts and biomaterial: Algae biorefinery, <i>by Matteo Francavilla, UNIFG</i>	facilities), <i>by Simone Cappello, CNR</i>		<i>Ilja Richard Pavone, CNR- Interdepartmental Center for Research Ethics and Integrity</i>	
From 16.00 Welcome, technical details, organisation, programme, get together, query about expectations	16.00 Pipeline themes/3: Services; bioremediation, <i>by Michail Yakimov, CNR</i>	16:30 Coronavirus and the food chain: the contribution of innovative aquatic food products, <i>by Saloua Sadok, INSTM</i>		16.00 Feedback survey	
	16.30 Pipeline themes/4: Applications: chitosan use in dentistry, <i>by Marco Ciccio, University of Messina</i>			18.00 End of Day 4	
	17.00 Q&As for pipelines	18:00 End of Day 2			
18.00 End of Day 1	20.00 Live-cooking with algae!	20.00 Social dinner			
19.00 Ice breaking presentation and social aperitif					