

## UNIVERSITY OF TORINO - MODULE

**Training objectives:** The module aims to update participants about new challenges and opportunities in bioeconomy and circular economy. The module will show how microorganism contribute to the advancement of research and innovation in life sciences and biotechnology, for a competitive and resilient bioeconomy. The module also includes the deepening of legal skills on new regulations on access to genetic resources and the possible sharing of the benefits derived from them will be . It will also present some examples of valorization of microbes in soli restoration and sustainabnle agriculture. The educational objective of the teaching is to present actors of the capital market operating in innovative projects funding and to provide communication tools to succeed in new businesses; furthermore the module provides an illustration of the principles and operation of Economic – financial and sustainability report.

**Course content:** The module aims to update participants on new national and international regulations governing access to genetic resources and the fair and equitable sharing of benefits derived from them in the event of commercial exploitation. In the second part of the scientific module the exploitation of microbes and their derivates for a sustainable agriculture will be addressed. Some industrial case studies will be presented. During the course different figures of investors will be presented illustrating investment model and procedures also involving evidences and cases. Beside it will be presented how to approach to an integrated model of communication for knowledge transfer and start up. Finally reporting models and major economic and financial key performance indicators and sustainability indicators international guidelines will be presented.

<b>14/03/2022</b>	Centro di Biotecnologie Molecolari - sala riunioni palazzina antica I piano Via Nizza n. 52 - 10126 Torino
	9.30 - 10,30 <b>Welcome in Torino and introduction to the Torino Module</b> <i>Prof.ssa Cristina Prandi - Vice Rector for Research of the University of Torino</i> <i>Prof. Fiorella Altruda – President of the Incubator 2i3T</i> <i>Prof. Giovanna Cristina Varese – details of the Torino Module</i>
	<b>Access and Benefit sharing of genetic resources</b> <a href="https://unito.webex.com/unito/j.php?MTID=mae1e6169579ac65354acde1f2b254ea0">https://unito.webex.com/unito/j.php?MTID=mae1e6169579ac65354acde1f2b254ea0</a>
	10.30 - 13.00 The utilization of genetic resources and associated traditional knowledge: the Nagoya Protocol on “access and benefit sharing”. <i>Avv. Valentina Veneroso</i>
	13.00 - 14.00 Lunch and speakers corner
	<b>One Health Concept</b> <a href="https://unito.webex.com/unito/j.php?MTID=mae1e6169579ac65354acde1f2b254ea0">https://unito.webex.com/unito/j.php?MTID=mae1e6169579ac65354acde1f2b254ea0</a>
	14.00 - 15.00 Microbial consortia as probiotics for a sustainable agriculture: The H2020 SIMBA project <i>Dott. Annamaria Bevivino, ENEA, Italy</i>

	<p>15.00 - 16.00 MIRRI: where (microbial) biodiversity meets biotechnology &amp; bioeconomy. <i>Dott. Luís Soares, Executive Director MIRRI Research Infrastructure</i></p> <p>16.00 - 17.00 Everything is connected: air, water, soils, our lives. <i>Dr. David Newman, Managing Director, European Circular Bioeconomy Policy Initiative</i></p> <p>17.00 - 18.00 visit to the Mycotheca Universitatis Taurinensis</p>
<p><b>15/03/2022</b></p>	<p>Centro di Biotecnologie Molecolari - sala riunioni palazzina antica I piano Via Nizza n. 52 - 10126 Torino</p> <p><b>Sustainable agriculture</b> (<a href="https://unito.webex.com/unito/j.php?MTID=m602a090b631b34ec3678756d0582d25d">https://unito.webex.com/unito/j.php?MTID=m602a090b631b34ec3678756d0582d25d</a>)</p> <p>9.00 - 10.00 Plant Symbiotic microbes for a healthier soil: an analytical perspective <i>Prof.ssa Alessandra Salvioli, UNITO</i></p> <p>10.00 - 11.00 The influence of root-microbe-soil interactions on plant nutrition and responses to environmental change. <i>Prof.ssa Cinzia Berteà, UNITO</i></p> <p>11.00 - 12.00 Fungi in soil bioremediation <i>Dott.ssa Federica Spina</i></p>
	<p>12.00 - 13.00 Lunch and speakers corner</p>
	<p><b>Visit at Green Has Italia S.p.A. Plant (Canale D'alba - CN)</b></p> <p>13:00 - 14:30 Transfer to Green Has Italia</p> <p>14.30 - 15.30 Greenhas Group research, production and commercialization of fertilizers and biostimulants for a sustainable agriculture. <i>Prof.ssa Valeria Contartese, Green Has Italia S.p.A.</i></p> <p>15.30 - 18.30 Visit to greenhouses, phytotrones and laboratories of Green Has Italia plant. <i>Prof.ssa Valeria Contartese, Green Has Italia S.p.A.</i></p>
<p><b>16/03/2022</b></p>	<p>Centro di Biotecnologie Molecolari - sala riunioni palazzina antica I piano Via Nizza n. 52 - 10126 Torino</p> <p><b>Sustainable entrepreneurship</b></p> <p>9.00 - 13.00 Start Up Business Plan, <i>Dott.ssa Mariafebronia Sciacca, Incubator 2i3T</i></p>
	<p>13.00 - 14.00 Lunch and speakers corner</p>
	<p><b>Communication for knowledge transfer</b></p> <p>14.00 - 18.00 Integrated model of communication for knowledge transfer and start ups; Evidences and experiences in communication <i>Dott.ssa Claudia Pescitelli, Incubator 2i3T</i></p>
<p><b>17/03/2022</b></p>	<p>Centro di Biotecnologie Molecolari - sala riunioni palazzina antica I piano Via Nizza n. 52 - 10126 Torino</p> <p><b>Integrated reporting: sustainability report</b></p>

	<p>9.00 - 11.00 Sustainability report as company value <i>Prof. Riccardo Beltramo, Unito</i></p> <p>11.00 - 13.00 Industrial ecology and EEIA (Ecologically Equipped Production Areas) <i>Prof.ssa Enrica Vesce, Unito</i></p>
	<p>13.00 - 14.00 Lunch and speakers corner</p> <p>(<a href="https://unito.webex.com/unito/j.php?MTID=m79346e3126efccc4b7344ab60d330526">https://unito.webex.com/unito/j.php?MTID=m79346e3126efccc4b7344ab60d330526</a>)</p> <p><i>Dopo 14:30 - 15:30 European framework for soil protection and restoration: the Soil Strategy for 2030 and the Mission A Soil Deal for Europe. Dott.ssa Arianna Pasa &amp; Dott.ssa Svetlana.Chovancov, European Commision</i></p> <p>15.30 - 17.30 Meeting with Bioentrepreneurs, <i>Dott. Giuseppe Serrao, Incubator 2i3T</i></p> <p style="text-align: center;"><i>20:30 Cena</i></p>
<p><b>18/03/2022</b></p>	<p style="text-align: center;">Centro di Biotecnologie Molecolari - sala riunioni palazzina antica I piano Via Nizza n. 52 - 10126 Torino</p> <p style="text-align: center;"><b>Funding and start up evaluation: Business Angel, Venture Capital, Corporate Venture,</b></p> <p>08.30 - 12.30 Investors and start up evaluation, <i>Prof. Roberto Schiesari, Unito</i></p> <p>12.30 - 13.30 Lunch and speakers corner</p> <p>13.30-15.00 Term sheet model: terms and conditions of the investment agreement, <i>Prof. Roberto Schiesari, Unito</i></p> <p>15.00 - 15.30 Conclusions, evaluation, test assignment</p>