

International Summer School on Natural Products

Detailed Program	
Monday – July 1st	
09:00 – 09:30	Registration
09:30 – 09:45	<p>Discussion Leader: <u>Valeria Costantino</u>; ISSNP President</p> <p><u>Natural Products Drug Discovery</u></p> <p>Welcome by Gennaro Piccialli, <i>Director of CESTEV, University of Naples Federico II</i></p> <p>Gianluca Farinola, <i>President of the SCI Organic Chemistry Division</i></p> <p>Angela Zampella, <i>Head of the Department of Pharmacy</i></p>
09:45 – 10:35	Raffaele Riccio <i>Dept. of Pharmacy - University of Salerno</i>
10:35 – 11:25	Giuseppe Castaldo <i>Dept. of Molecular Medicine and Medical Biotechnology - University of Naples Federico II</i> “Eros, Thanatos and molecules.”
11:25 – 11:40	Coffee break
11:40 – 12:30	Alejandro Mayer <i>Dept. of Pharmacology - Midwestern University</i> “The Marine Pharmacology and Pharmaceuticals Pipeline in 2019”
12:30 – 13:20	Francesco Nicotra <i>Dept. of Biotechnology and Biosciences - University of Milano-Bicocca</i> “Exploiting Natural Products for Nanomedicine”
13:30 - 14:30	Lunch
14:30 - 17:30	<p><i>Interactive Session I - Transferable Skills.</i></p> <p>Valeria Costantino: Presenting each other. How to promote yourself to travel in the entrepreneurial world.</p> <p>Philippe Chereau, <i>SKEMA Business School</i> “Entrepreneurial venturing: From idea, to business model, to business plan”</p>
	<i>Social Activity</i>
Tuesday – July 2nd	
09:00 – 13:00	<p><u>Advanced analytical/spectroscopical/synthetic methodologies</u></p> <p>Discussion Leader: <u>Angela Zampella</u></p>
09:00 – 09:50	Markus Kalesse <i>Leibniz Universität Hannover</i> “Variations on a Theme - Vinylogous Mukaiyama Aldol Reactions in the Total Syntheses of Natural Products”
09:50 – 10:40	Tanja Gaich <i>Dept. of Chemistry - University of Konstanz</i>
10:40 – 11:00	Coffee break
11:00 – 11:10	<p>Discussion Leader: <u>Daniele Passarella</u>, ISSNP</p> <p>Danieli Scholarship presentation</p>
11:10 – 12:00	Alfonso Iadonisi - <i>Dept. of Chemical Sciences - University of Naples Federico II</i>

	<i>“Chemical approaches to oligosaccharide synthesis”</i>
12:00 – 13:00	<i>Interactive Session II- Grant opportunities for early-career researchers.</i> Giulia Maria Rossignolo <i>Direzione Servizi per la Ricerca – University of Milano</i> <i>“The art of grantmanship with a special focus on opportunities for young researchers”</i>
13:00 - 14:00	Lunch
14:00 – 14:10	<u>Discussion Leaders: Vera Muccilli and Daniela Montesarchio, ISSNP</u> Spatafora Scholarship presentation
14:10 – 16:40	The vision of young scientists Short Communications by participants
16:40 – 18:30	Poster Wine Party <i>Discussion on poster communication with a glass of wine</i>
Wednesday – July 3rd	
09:00 – 13:00	<i>Naturally Biotech</i> <i>Co-organized by Interdivisional Group of Biotechnologies SCI</i> <u>Discussion Leaders: Laura Cipolla and Giorgia Oliviero, Biotech Interdisciplinary group</u>
09:00 – 09:50	Maxim Berezovski <i>Dept. of Chemistry and Biomolecular Sciences - University of Ottawa</i> <i>“Diagnostics and Cancer Therapeutics with DNA Aptamers”</i>
09:50 – 10:40	Cristina Airoidi <i>Dept. of Biotechnology and Biosciences -University of Milano-Bicocca</i> <i>“Advanced analytical techniques for the identification of natural bioactive compound”</i>
10:40 – 11:00	Coffee break
11:00 – 11:50	Mattia Mori <i>Dept. of Biotechnology Chemistry and Pharmacy – University of Siena</i> <i>“Exploiting chemical diversity of natural products in drug discovery”</i>
11:50 – 12:40	Yves Galante <i>Institute of Chemistry of Molecular Recognition ICRM-Milano</i> <i>“Enzyme modifications of plant polysaccharides. The case of laccase-oxidation of galactomannans yielding biomaterials with novel properties and applications, including as delivery systems”.</i>
12:40 – 13:30	Ivan Donati <i>Dept. of Life Sciences – University of Trieste</i> <i>“Chitosan and its derivatives in the biomedical field.”</i>
13:30 – 14:00	Lunch
	<u>Discussion Leader: Maurizio D’Auria, ISSNP</u>
14:00 – 14:50	Emiliano Bedini <i>Dept. of Chemical Sciences -University of Naples Federico II</i> <i>“Complex carbohydrate-containing natural products as starting materials for the semi-synthesis of bio-medically relevant (macro)molecules “</i>
15:00 – 17:00	<i>Interactive Session III -Transferable Skills: “Being ready for a job interview”,</i> Gabriele Fontana, Indena Spa. Pasquale Maffia, Glasgow University
Thursday – July 4th	
09:00 – 13:00	09.00-13.00: <u>Chemical ecology</u>

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	<u>Discussion Leader: Alberto Minassi, ISSNP</u>
09:00 – 09:50	Joseph R. Pawlik <i>Dept. of Biology and Marine Biology, UNC Wilmington</i> <i>“The chemical ecology of sponges on Caribbean reefs: Natural products shape natural systems”</i>
09:50 – 10:40	Laura Steindler <i>Dept. of Marine Biology - University of Haifa</i> <i>“Molecular mechanisms underlying host-microbe interactions in marine symbioses”</i>
10:40 – 11:10	Coffee break
	<u>Discussion Leader: Chiara Monti, ISSNP</u>
11:10 – 12:00	Vittorio Venturi <i>International Centre for Genetic Engineering and Biotechnology - Trieste</i> <i>“Interspecies signalling in plant associated bacteria”</i>
12:00 – 12:50	Christian Zidorn <i>Department of Pharmaceutical Biology, Kiel University</i> <i>“Phytochemistry - Before the lab work can start: Proper documentation of plant source materials as a prerequisite for reproducible studies”</i>
13:00-14:00	Lunch
14:00	Transfer to the city of Maratea
16:30	Visit to Evra_Estratti Vegetali Ricerca Applicata guided by Luigi Milella (ISSNP)
18:30	Visit to Cristo Redentore, Maratea
19:30	Transfer to Hotel Pianeta Maratea https://www.grandhotelmaratea.it
20:30	<i>Swimming Pool Party</i>
Friday – July 5th	
09:00 – 12:00	William Gerwick <i>Scripps Institution of Oceanography - University of California San Diego</i> <i>Interactive Session IV (Transferable Skills: ‘From lab data to the paper: how to write a readable paper’)</i>
	Awards ceremony
	Closing*
15:00	Transfer to Central Station “Piazza Garibaldi”(Estimated time of arrival – E.T.A. 17.00), and Naples International Airport (Estimated time of arrival – E.T.A. 18.00)

*You can enjoy Maratea’s beaches extending your stay (take advantage of ISSNP special rates). On Friday afternoon: scuba diving or boat tour organized by the School (not included in the fee).