

Nature4Nature Summer School (11th – 22nd August 2025): DRAFT programme

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<i>morning</i>	<i>morning</i>	<i>morning</i>	<i>morning</i>	<i>morning</i>
WELCOME to: N4N, SS, (Marine) Bioinspiration, Marine Station.	Field trip 1 : introduction to marine biology + Lab session 1: marine organisms' functionality	"Field trip" 2 : Fish diversity and morphology in the Marinarium	Biofilms: lecture and lab session	Field trip 3 : How do we survey marine biodiversity ?
Who are we, who are you?	Field trip 1 : introduction to marine biology + Lab session 1: marine organisms' functionality	Ethics/Philosophy: Learning from Nature How to Inhabit the Earth	Biofilms: lecture and lab session	Field trip 3 : How do we survey marine biodiversity ? Field sampling in small groups
<i>afternoon</i>	<i>afternoon</i>	<i>afternoon</i>	<i>afternoon</i>	<i>afternoon</i>
Bioinspiration methodologies 1	Integrating sustainability into bioinspiration	Ethics/Philosophy: What Does it Mean to Mimic Nature?	Research/industry partnerships: the BIOMIG case study	Field trip 3 : How do we survey marine biodiversity ? Field sampling in small groups
Bioinspiration methodologies 2	Sustainable design: theory and practice	Ethics/Philosophy of Bioinspiration	From Inspiration to Impact: Building a Bio-Inspired Startup - The Novobiom Story	Field trip 3 : How do we survey marine biodiversity ? Field sampling in small groups
Bioinspiration methodologies 3 : How to read a scientific article, extract relevant biological information etc.	Ethical, moral and legal dimensions of biom*	Round Table on Ethics/Philosophy of Bioinspiration	Learning from nature to reconcile economic upgrading with biodiversity conservation? Biomimicry as an innovation policy	Field trip 3 : How do we survey marine biodiversity ? Field sampling in small groups

DAY 6	DAY 7	DAY 8	DAY 9	DAY 10
<i>morning</i>	<i>morning</i>	<i>morning</i>	<i>morning</i>	<i>morning</i>
Bioinspired Architecture 1	Palaeo-bioinspiration	Team work 3is: Step 2 (problem analysis phase)	Team work 3is: Step 3 (producing a solution)	free
Bioinspired Architecture 2	Team work 3is: reminder of the biomimetic methodology	Team work 3is: Step 2 cont. (problem analysis phase)	Team work 3is: Step 3 cont. (producing a solution)	free
<i>afternoon</i>	<i>afternoon</i>	<i>afternoon</i>	<i>afternoon</i>	<i>afternoon</i>
Bioinspired Architecture 3	Team work 3is: Step 1 (problem identification phase)	Biobased materials/ bioassistance	Using bioinspiration in (nano)bioengineering and biomechanics	Presentations Team 1 & 2
Bioinspired Architecture 4	Bioinspired materials from sea urchins: lecture and lab session	How a biomimicry consultancy operates	Team work 3is; Step 4 (preparing final presentation)	Presentations Team 3 & 4
Round table discussion with all presenters	Bioinspired materials from sea urchins: lecture and lab session	free	Team work 3is; Step 4 (preparing final presentation)	Feedback/conclusions on Summer School

Key: grey = intro/end; green = seminars; blue = field/lab sessions; pink = interactive sessions