

algae4a-b

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In vitro testing platforms for natural cosmeceuticals

Summer school schedule

Athens, Greece - 9-12th October 2017

Day 1	MONDAY 9th OCT.	APIVIT A Experience store	
	Opening and topic introduction		
	9.30-11.00	<i>Welcome & Registration</i>	
	Morning session		
	11.00-11.30	Algae4A-B Project Overview	William Helbert
	10.30-11.15	Microalgae in cosmetics	Panagiota Dragani
	11.15-12.00	Current extraction and chemical analysis techniques	Vana Boka
	12.00-13.00	<i>Coffee break</i>	
	13.00-13.45	EU regulatory framework for marine raw materials	Sofia Papaspirou
	13.45-15.15	<i>Lunch break</i>	
	Afternoon session		
	15.15-16.00	Biological interaction of microalgae extracts with human skin	Sophia Letsiou
16.00-16.45	Presentation of APIVIT A EU research projects on marine biodiversity for future collaboration	Konstantinos Gardikis	
16.45-17.15	<i>Coffee Break</i>		
17.15-18.00	Closing remarks & Discussion	Konstantinos Gardikis	
Day 2	TUESDAY 10th OCT.	Agricultural University of Athens	
	Morning session		
	9.30-10.00	Welcome – In vitro Testing Platforms in Algae4A&B Overview	Emmanouil Flemetakis
	10.00-10.30	Analysis of microalgae Biomass using –omic platforms	Maria Patelou
	10.30-11.00	In vitro bioactivity screening for microalgae extracts	Ioanna Anastasiou
	11.00-11.30	<i>Coffee Break</i>	
	11.30-12.00	Microalgae enzymes and proteins for green cosmetics	Nikolaos Labrou
	12:00-12:30	Enzymes as targets for anti-ageing cosmetics	Evangelia Chronopoulou
	12:30-13:00	Biosensors as a platform for bioactive compound testing	Rute Felix
	13.00-14.30	<i>Lunch Break</i>	
	Afternoon session		
14.30-16.00	Laboratory demonstration: In vitro screening platforms -	Lab of Molecular Biology AUA	
16.00-17.00	Laboratory demonstration: Microalgae proteins and peptides for hair cosmetics, Stability analysis and assay of proteases for skin care cosmetics	Lab of Enzyme Technology AUA	
17.00-17.30	Closing remarks and Discussion	Emmanouil Flemetakis	
Day 3	WED. 11th OCT.	APIVIT A Production Site, Markopoulo, Attiki	
	Morning session		
	10.00-13.00	Tour of APIVIT A production facilities, laboratories, beehives and botanical garden	
	13.00-14.00	<i>Lunch Break</i>	
Afternoon session			
14:00-18:00	Algae4A&B administrative and scientific meeting	Algae4A-B partners only	
Day 4	THURSDAY 12th OCT.	APIVIT A Experience store	
	09:30-10:30	Welcome - Summary of meetings and open discussions	Algae4A-B partners only
	10:30-11:30	Executive committee meeting	Algae4A-B partners only
	11:30-12:30	<i>Coffee break</i>	
	12:30-13:30	Executive committee meeting (continue)	Algae4A-B partners only
13:30-15:00	<i>Lunch</i>		

Summer school organisation
Dr. Konstantinos Gardikis – APIVITA
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Pr. Emmanouil Flemetakis - AUA
mflem@aua.gr

Workshop venues
APIVITA experience store
Solonos 6, Athens

Agricultural University of Athens
Iera Odos 75, Athens

APIVITA factory
Industrial Park of Markopoulo Mesogaia,
Markopoulo, Attiki

Access to the summer school is free of charge upon mandatory registration.

Talks will be available on
www.algae4ab.eu

Consortium



Project Coordinator
CNRS, CERMAV
France



Fitoplancton Marino, S.L.
Spain



Agricultural University Of Athens
Greece



Instituto Andaluz De
Investigacion y Formacion
Agraria Pesquera Alimentaria
Spain



Apivita SA
Greece



Centro De Ciencias Do Mar D
Algarve
Portugal



Lifesequencing, SL
Spain

The project

Microalgae were always an exciting target for Aquaculture, Cosmetology and Biotechnology, as they represent a largely untapped reservoir of novel and valuable bioactive compounds.

The ALGAE4A-B (Algae For Aquaculture and Beauty) project seeks to exploit microalgae diversity, as a source for state-of-the-art high-added-value biomolecules in aquaculture and cosmetics.

ALGAE4A-B aspires to foster both European capacity building and the strategic objectives of EU Blue Growth and Marine Biotechnology to harness the untapped potential of European seas and coasts for training and sustainable growth.

Microalgae Biomass Production

The diversification of microalgae biomass production towards two independent applications will give the microalgae industry access to alternative markets in an uncertain, highly competitive and fast changing commercial environment.

Basic and applied research

The project will combine both basic and applied multidisciplinary research in the fields of -omics technologies, biochemistry and applied biotechnology in order to:

- Develop and optimize low-input and application-based microalgae culture systems
- Develop “-omic” resources for both microalgae and fishes
- Develop downstream processing of high added value products from microalgae, with an emphasis on polysaccharides, proteins, enzymes and antioxidants
- Develop, formulate and evaluate in vitro a new range of cosmetic and nutraceutical products for aquaculture

Key figures

972 000 € EC funding
7 partners
4 years (2016-2019)

More information on www.algae4ab.eu



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