

Where Industry meets Science in marine biotechnology

Les Rendez-Vous de Concarneau 2019

October 17th and 18th 2019

The 'Rendez-Vous de Concarneau' constitutes a series of yearly workshops aiming at promoting relationships and strengthening bridges between industry and academic research, and providing technology and knowledge transfer amongst stakeholders within European marine biotechnologies.

The choice for 2019 has been to invite academics and industrials working in the field of bioinspiration. The marine world is a fantastic source of inspiration. Applications mimicking marine flora and fauna are now numerous and increasingly reach a commercial level. Focusing on five overarching topics, the Rendez-Vous will present industrial and academic achievements around the concept of bioinspiration.



Soutien de la Région Bretagne

PROGRAMME

DAY 1 - Thursday, October 17th 2019

8h30 - 9h00 : Welcoming coffee

- 9h00 :** Nadia Améziane – MNHN Station marine de Concarneau (Concarneau - FRANCE)
Introduction
- 9h05 :** Romain Herault – Technopole Quimper-Cornouaille (Quimper - FRANCE)
Welcome & context of the day (Emporia4KT)

BIOINSPIRATION

- 9h10 :** Annabelle AISH & Jian-Sheng SUN – MNHN "Bioinspire-Muséum" (Paris - FRANCE)
Bioinspire-Museum : Natural History's contribution to (marine) bioinspiration
- 9h30 :** Gilles BOEUF – Université Pierre et Marie Curie (Paris - FRANCE)
From biodiversity to biomimicry
- 9h50 :** Kalina RASKIN – CEEBIOS (Senlis - FRANCE)
Biomimetics : context and opportunities

10h10 - 10h30 : Coffee break
Background: Short-Films "Nature = Futur !"



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MEDICAL APPLICATIONS

Moderator : Jian-Sheng SUN – MNHN "Bioinspire-Muséum" (Paris - FRANCE)

10h30 : Agata ZYKWINSKA – IFREMER (Nantes - FRANCE)

Bacterial polysaccharides to mimic extracellular matrix of animal tissue

10h50 : Nicolas PUIILLANDRE – MNHN (Paris - FRANCE)

Cone snails and other venomous gastropods: an inexhaustible reservoir of compounds with therapeutic applications?

11h10 : Erik GUILLEMIN – WAVERA (Paris - FRANCE)

Pumps inspired by nature

11h30 : Andrew MEARNs SPRAGG – JELLAGEN (Cardiff - U.K.)

Jellagen® - A next generation collagen biomaterial derived from jellyfish for cell culture, regenerative medicine and tissue engineering applications

12h10 - 14h10 : Lunch break

At the Marine Station



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PÔLE MER
BRETAGNE ATLANTIQUE



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BIOFOULING

Moderator : Jean-Paul CADORET – GREENSEA (Meze - FRANCE)

14h10 : Julie PETITBOIS – LBCM – Université Bretagne Sud (FRANCE)
Adhesion and biofilm of microalgae

14h30 : Bertrand THOLLAS – POLYMARIS (Brest - FRANCE) *slides in English, presentation in French*
A new green antifouling produce by marine bacteria : from laboratory to industrial deployment

14h50 : Marion PADIOLEAU – FINSULATE FRANCE / BLUE INNOV (Nantes - FRANCE)
A nature inspired antifouling 100% environmental friendly with mechanical action

15h10 : Benoît AGNUS – SCIENTEAMA (Villons-les-Buissons - FRANCE)
Projet for the conception of an antifouling servo control system with monitoring and réduction stimuli

15h50 - 16h10 : Coffee break

Background: Short-Films "Nature = Futur !"



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ENGINEERING

Moderator : Jean-Paul CADORET – GREENSEA (Meze - FRANCE)

16h10 : Frédéric BOYER – IMT Atlantique (Nantes - FRANCE)
A source of bio-inspiration for underwater robotics: electric fish

16h30 : Mohamed BOUTOUIL – ESITC (Caen - FRANCE)
The MARINEFF Project

16h50 : Cédric HUBAS – MNHN Station marine de Concarneau (Concarneau - FRANCE)
3D artificial reefs

17h10 : Alain DINIS – SCIENTEAMA (Villons-les-Buissons - FRANCE)
Biomimetic Underwater Robots project: Triple Helix ecosystem to foster innovation in the Blue Economy

19h00 : Ice-breaker and buffet

At the restaurant LE CHANTIER 20 quai Carnot 29900 CONCARNEAU



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DAY 2 - Friday, October 18th 2019

8h30 - 9h00 : Morning coffee

BIOMATERIALS

Moderator : Annabelle AISH – MNHN “Bioinspire-Muséum” (Paris - FRANCE)

09h00 : Dan MORSE – UCSB (Santa Barbara – U.S.A.)
Marine proteins reveal novel paths to high value

10h00 : Susana FERNANDES – CNRS / Université de Pau & Pays Adour (Anglet - FRANCE)
Marine molecules: a rising tide of challenges for the development of functional and bio-inspired biomaterials

10h30 - 10h50 : Coffee break
Background: Short-Films “Nature = Futur !”



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ENERGY

Moderator : Nalani SCHNELL – MNHN Station marine de Concarneau (Concarneau - FRANCE)

11h10 : Christophe GOUPIL – Université Paris – Diderot (Paris - FRANCE)
Bioinspiration of energy uses: a thermodynamic approach

11h30 : Romain HERAULT – Technopole Quimper-Cornouaille (Quimper - FRANCE) &
Alain DINIS – STRANE Innovation (Gif-sur-Yvette - FRANCE)
Final words Emporia4kt

11h50 : Jean Denis VIGNE – MNHN (Paris - FRANCE)
Closure speech

12h10 - 14h10 : Lunch break

At the Marine Station

VISITS TO LOCAL INDUSTRIES (PRE-BOOKED PARTICIPANTS ONLY)

13h45 - 17h30 : Visits to :

Abyss Ingrédients and ID Mer (Lorient)

in partnership with Capbiotek, regional network for biotechnologies
and Technopole Quimper-Cornouaille



Soutien de la Région Bretagne

Scientific committee RVCC 2019 :

Chairman :

Jean-Paul Cadoret (GREENSEA - France)

Members :

Catherine Boyen (Station Biologique de Roscoff - Sorbonne Université - France)

Sylvia Collic-Jouault (IFREMER - France)

Claire Hellio (UBO - France)

Jean-François Sassi (CEA Cadarache - France)

Franck Hennequart (Algaia - France)

Corina Moya (BEA - Spain - Gran Canaria)

Charlie Bavington (Glycomar - U.K. - Scotland)

Steering committee RVCC 2019 :

Presidents :

Nadia Améziane (Station marine de Concarneau - MNHN - France)

Hélène Salin (MNHN Paris - France)

Members :

Annabelle Aish (Bioinspire Muséum - MNHN Paris - France)

Bernard Commère (Ministère de la Recherche - France)

Roland Conanec (CBB Capbiotek - France)

Fabienne Guérard (UBO - France)

Anouchka Krygelmans (Station marine de Concarneau - MNHN - France)

Gaël Le Meur (Région Bretagne - France)

Rachel Portal-Sellin (Technopole Quimper-Cornouaille - France)

Nalani Schnell (Station marine de Concarneau - MNHN - France)

Nicole Ziegler (Conseil départemental du Finistère - France)

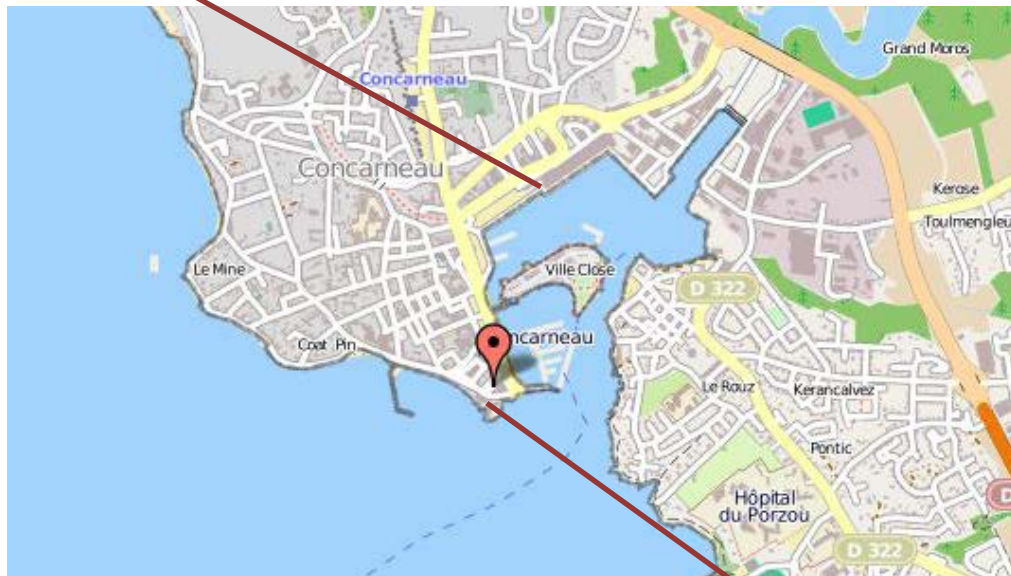
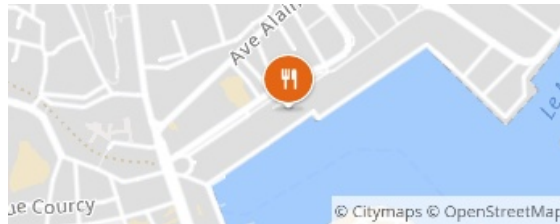


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Restaurant LE CHANTIER
 20 quai Carnot
 29900 Concarneau France



Station Marine de Concarneau
 Place de la Croix
 29900 Concarneau

EMPORIA4KT: Empower Academia for Knowledge Transfer for Value Creation in the Atlantic Area

Where Industry meets Science and Territory, les Rendez-Vous de Concarneau 2019

National Bootcamp Emporia4kt

October 17th and 18th 2019

This national bootcamp is organized in the framework of the Emporia4kt project which works towards the design and implementation of actions between triple helix players to foster innovation and competitiveness within Blue Economy sectors. By focusing on upgrading Academia skills for knowledge transfer (KT) and innovation, this project intends to enable the design of market-directed Research, Development & Innovation (RDI) projects. A dedicated attention will be given to cross-fertilization among the actors, in particular academia/research, enterprises and institutions.

To encourage and challenge these 3-helix exchanges during the bootcamp, focus will be made on Bioinspiration driving innovation in several domains of the Blue Economy thanks to flash sequences and pitches.

These 'Rendez-Vous de Concarneau' will enable the creation of new relationships and bridges between industry and academic research, while providing technology and knowledge transfer amongst stakeholders within European Blue Economy.



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