



## **6<sup>th</sup> annual meeting of the EFOR network**

**9<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup> March 2015**



FIAP Jean Monnet, 30 rue Cabanis, 75014 PARIS



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## 9<sup>th</sup> March 2015: SCIENTIFIC AND TECHNOLOGICAL SESSIONS

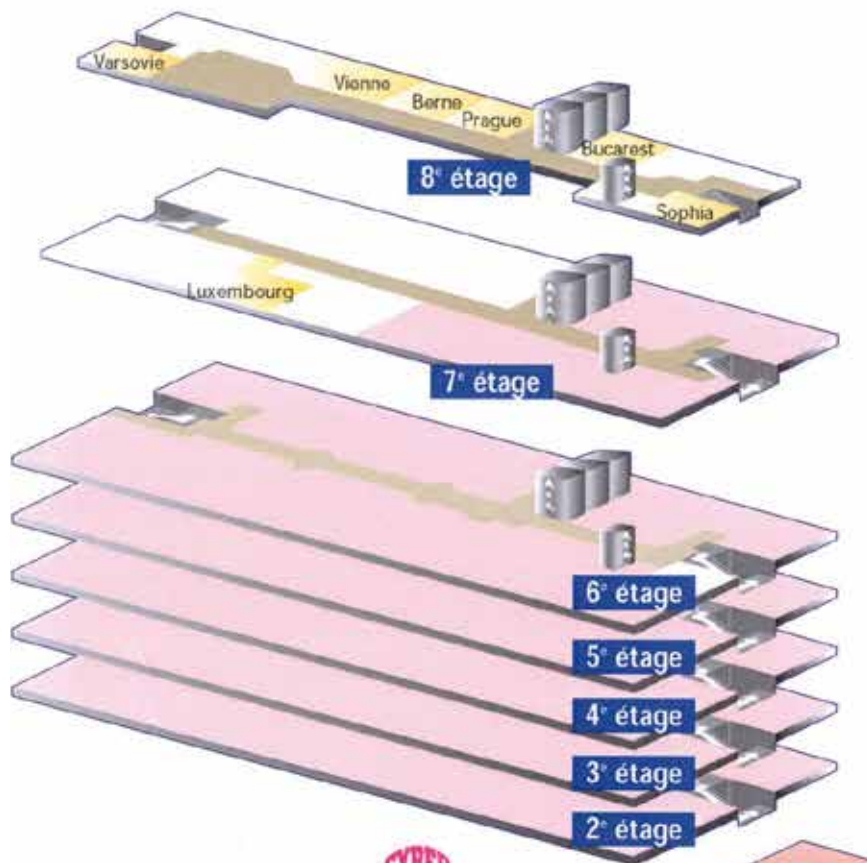
- **MODELS FOR STUDYING GLOBAL CHANGE**  
 **(Lisbonne Room)**  
Organizers: Stéphane DUPAS, Johanna DJIAN-ZAUCHE & Jean-Stéphane JOLY
- **MODELS FOR STUDYING NEURODEGENERATIVE DISEASES**  
 **(Bruxelles Room)**  
Organizers: Jean Louis NAHON & Erwan BÉZARD
- **SPONSOR PRESENTATIONS**  
 **(Bruxelles Room)**  
Organizers: Stéphane GUÉGUEN (Leica Microsystems), Emilie DELVERDIÉ (Integrated DNA Technology) & Mickaël PLOQUIN (New England Biolabs)
- **CRISP-R/CAS 9 SYSTEM**  
 **(Bruxelles Room)**  
Organizers: Carine GIOVANNANGELI & Jean-Paul CONCORDET
- **CALCIUM IMAGING**  
 **(Lisbonne Room)**  
Organizers: Michaël DEMARQUE & Claire WYART

## 10<sup>th</sup> March 2015: MODEL ORGANISM WORKSHOPS

- **ZEBRAFISH WORKSHOP**  
 **(Bruxelles Room)**  
Organizers: Filippo DEL BENE & Nicolas DAVID
- **XENOPUS WORKSHOP**  
 **(Berlin Room)**  
Organizers: Daniel BOUJARD & Christophe HÉLIGON
- **NON HUMAN PRIMATES WORKSHOP**  
 **(Paris Room)**  
Organizer: Romain LACOSTE
- **AGRONOMIC MODELS WORKSHOP**  
 **(Athènes Room)**  
Organizers: Eric PAILHOUX & Florian GUILLOU
- **MARINE METAZOA WORKSHOP**  
 **(Stockholm Room)**  
Organizers: Jenifer CROCE, Julia MORALES, Hector ESCRIVA & Sébastien DARRAS
- **ARABIDOPSIS THALIANA & FRIENDS WORKSHOP**  
 **(Budapest Room)**  
Organizers: Emmanuel GUIDERDONI, Christian MEYER & Pascal RATET
- **ALGAE WORKSHOP**  
 **(Copenhagen Room)**  
Organizers: Catherine BOYEN & Hervé MOREAU

## 11<sup>th</sup> March 2015: MODEL ORGANISM WORKSHOP

- **VIBRIO WORKSHOP**  
 **(Berlin Room)**  
Organizer: Frédérique LE ROUX





# 6<sup>th</sup> annual meeting of the EFOR network

9<sup>th</sup> March 2015

8h45 // Registration, Welcome coffee and sponsors booth (hall)

10H00 // Introduction of the meeting by the coordination of EFOR (Bruxelles Room)

## MORNING: SCIENTIFIC SESSIONS



### ORGANIZED BY

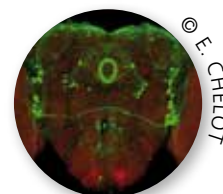
Jean-Louis Nahon & Erwan Bézard

#### // MODELS FOR STUDYING NEURODEGENERATIVE DISEASES //

- ▶ **10h30 Laëtitia Miguel** (CNRS, Rouen): Characterization of physiopathological mechanisms in FTLD, using *Drosophila* as an experimental model
- ▶ **11h00 Marcel Tawk** (INSERM/Univ. PSUD, Kremlin Bicêtre): The immunophilin FKBP52 interacts with Tau-P301L, induces its oligomerisation and modulates its activity in a model of tauopathy
- ▶ **11h30 Pierre-Olivier Fernagut** (CNRS, Bordeaux): Preclinical models of Parkinson's disease
- ▶ **12h00** Round table



**BRUXELLES ROOM**  
(Basement)



12h30 // Lunch (cafeteria) & sponsors booth (hall)



### ORGANIZED BY

Stéphane Dupas, Johanna Djian-Zaouche & Jean-Stéphane Joly  
EMBRC-Fr joint session

#### // MODELS FOR STUDYING GLOBAL CHANGE //



- ▶ **10h30 Didier Aurelle** (IMBE, Marseille): Corals and climate change: from ecology to genetics and genomics
- ▶ **11h00 Christelle Robinet** (INRA, Orléans): The pine processionary moth: a good bioindicator of climate warming?
- ▶ **11h30 Sophie Martin** (Station biologique, Roscoff): Vulnerability of coralline algae to global ocean changes
- ▶ **12h00 Carlo Costantini** (IRD, Montpellier): The malaria mosquito *Anopheles gambiae* as a model to study adaptation to global environmental changes



**LISBONNE ROOM**  
(Basement)



## // 14H00 - SPONSORS PRESENTATIONS //



### BRUXELLES ROOM

(Basement)



- ▶ **Stéphane Guéguen:** The new Digital Light Sheet on confocal SP8 system



- ▶ **Emilie Delverdié:** Rewriting the Genome using CRISPR and Synthetic Biology



- ▶ **Mickaël Ploquin:** Genome editing workflow tool  
Sponsor of the CRISP-R/Cas 9 session

## AFTERNOON: TECHNOLOGICAL SESSIONS



### ORGANIZED BY

Carine Giovannangeli & Jean-Paul Concordet

### // CRISP-R/CAS9 SYSTEM //

- ▶ **15h00 Emmanuelle Jacquin-Joly** (INRA, Versailles): Targeting olfactory receptors in the non-model crop pest *Spodoptera litoralis* with CRISP-R/Cas9
- ▶ **15h30 Anna Gilles** (ENS, Lyon): Probing morphogenesis by live imaging and CRISP-R mediated gene targeting in an emerging insect model

16H00 // Coffee break & sponsors booth (hall)

- ▶ **17h00 Tsuyoshi Momose** (CNRS, Villefranche): Gene editing with CRISP-R/Cas9 in a jellyfish *Clytia hemisphaerica*: high efficiency and challenges
- ▶ **17h30 Vincenzo di Donato** (Institut Curie, Paris): Novel approaches for tissue specific gene disruption in zebrafish



### BRUXELLES ROOM

(Basement)



### ORGANIZED BY

Michaël Demarque & Claire Wyart

### // CALCIUM IMAGING //

- ▶ **15h00 Alex Costa** (Univ. Milan, Spain): Calcium imaging in plant cell
- ▶ **15h30 Pierre-Yves Plaçais** (CNRS, Paris): Functional characterization of olfactory memory circuits in *Drosophila*

16H00 // Coffee break & sponsors booth (hall)

- ▶ **17h00 Elena Dreosti** (UCL, London): Synaptic function within the retinal circuit
- ▶ **17h30 Bjørn Kampa** (CH Timone, Marseille): Information processing in the visual cortex



### LISBONNE ROOM

(Basement)

18h00 // End



## 6<sup>th</sup> annual meeting of the EFOR network 10<sup>th</sup> March 2015

### ZEBRAFISH WORKSHOP



#### ORGANIZED BY

Filippo Del Bene & Nicolas David

#### MORNING

08h45 // Registration and welcome coffee (hall)

09h30 // Introduction by the organizers

#### // SESSION 1: INTRACELLULAR TRAFFICKING //

- ▶ **09h45 François Giudicelli** (UPMC, Paris): Local gene expression and mRNA transport in zebrafish neurons
- ▶ **10h15 Emilie Delaune** (IBCP, Lyon): Biodistribution of polylactide nanovectors at whole-body level in zebrafish
- ▶ **10h45 Morgane Poulain** (iBV, Nice): Role of the ESCRT complex in zebrafish ciliated organs

#### // SESSION 2: STEM CELL AND REGENERATION //

- ▶ **11h10 Nadia Mercader Huber** (CNIC, Madrid): Cardiac regeneration and fibrosis regression during heart regeneration in the zebrafish
- ▶ **11h40 Emilie Dambroise-Mugniery** (CNRS, Gif-sur-Yvette): Neuroepithelial progenitor cells expression profiling in medaka

12h00 // Lunch (cafeteria) & sponsors booth (hall)



**BRUXELLES ROOM**

(Basement)



ZEBRAFISH WORKSHOP



**6<sup>th</sup> annual meeting of the EFOR network**  
10<sup>th</sup> March 2015



**ZEBRAFISH WORKSHOP**



**ORGANIZED BY**

Filippo Del Bene & Nicolas David

**AFTERNOON**

**// SESSION 3: NEURO-DEVELOPMENT //**

- ▶ **14h00 Matthias Carl** (*Univ. Heidelberg, Germany*): Dissecting asymmetric neural network formation *in vivo*
- ▶ **14h30 Elim Hong** (*INSERM, Paris*): Understanding the role of asymmetric cholinergic signaling in the habenulo-interpeduncular pathway
- ▶ **15h00 Véronique Duboc** (*CBD, Toulouse*): Deciphering genetic control of zebrafish epithalamic asymmetries
- ▶ **15h20 Jonathan Boulanger-Weil** (*INSERM, Paris*): Functional dynamics of developing newborn neurons

*15h40 // Coffee break & sponsors booth (hall)*

**// SESSION 4 //**

- ▶ **16h30 Pia Aanstad** (*Univ. Innsbruck, Austria*): The zebrafish gastrula stage endoderm: a model system for studying cell migration and cell proliferation
- ▶ **17h00 Alexandre Kabla** (*Univ. Cambridge, London*): Quantifying the spatio-temporal patterns of morphogenesis
- ▶ **17h30 Doris-Lou Demy** (*Institut Pasteur, Paris*): Establishment and maintenance of Microglia in zebrafish embryos
- ▶ **17h50** Round table

*18h15 // Concluding remarks*  
*18h30 // End*

**BRUXELLES ROOM**   
(Basement)

**ZEBRAFISH WORKSHOP**





# 6<sup>th</sup> annual meeting of the EFOR network

10<sup>th</sup> March 2015

## XENOPUS WORKSHOP



### ORGANIZED BY

Daniel Boujard & Christophe Héligon

## MORNING

08h45 // Registration and welcome coffee (hall)

09h45 // Introduction by the organizers

### // SESSION 1: CRISP-R/Cas9 in *Xenopus* //

CHAIR: CHRISTOPHE HÉLIGON (CRB-XÉNOPES, RENNES)

- ▶ **10h00 Jean-Baptiste Pénigault** (*TEFOR infrastructure, Gif-sur-Yvette*): CRISPOR - An online tool to optimize CRISP-R/Cas9 gRNA in more than 70 genomes
- ▶ **10h30 Nicolas Pollet** (*EGCE, Gif-sur- Yvette*): An example of CRISP-R/Cas9 use in *X. tropicalis* & Comparison of T7E1 and Surveyor Mismatch Cleavage Assays To Detect Mutations Triggered by Engineered Nucleases
- ▶ **11h15 Christophe Heligon** (*CRB Xénopes, Rennes*) - Synthesis and discussion on CRISP-R in *Xenopus* models

11h45 // Lunch (cafeteria) & sponsors booth (hall)



**BERLIN ROOM**

(Basement)

## XENOPUS WORKSHOP



**6<sup>th</sup> annual meeting of the EFOR network**  
10<sup>th</sup> March 2015



**XENOPUS WORKSHOP**



**ORGANIZED BY**

Daniel Boujard & Christophe Héligon

**AFTERNOON**

**// SESSION 2: ECO-TOXICOLOGY //**

CHAIR: DAVID DU PASQUIER (WATCHFROG, EVRY)

- ▶ **13h30 Frances Orton** (*Univ. of Exeter, UK*): Methods for assessing reproductive health in amphibians
- ▶ **14h00 Jean-Baptiste Fini** (*MNHN, Paris*): Deciphering how endocrine disrupting chemicals impact thyroid hormone signaling and brain development in *Xenopus*.
- ▶ **14h30 Petra Spirhanzlova** (*WatchFrog, Evry*): Practical application of transgenic *Xenopus laevis* for identifying thyroid disruption in surface waters
- ▶ **15h00** Round table

*15h30 // Coffee break & sponsors booth (hall)*

**// SESSION 3: DEVELOPMENTAL BIOLOGY //**

CHAIR: DANIEL BOUJARD (CRB-XÉNOPES, RENNES)

- ▶ **16h30 Eric Theveneau** (*CBD, Toulouse*): Beyond chemotaxis: signal integration during directional migration
- ▶ **17h00 Andrea Pasini** (*IBDM, Marseille*): Molecular bases of mucociliary epithelium organogenesis in *Xenopus laevis*: role of the SCF/KIT pathway
- ▶ **17h30 Anne-Hélène Monsoro-Burq** (*Institut Curie, Orsay*): PFKFB4 controls embryonic patterning *via* Akt signalling independently of glycolysis
- ▶ **18h00** Round table

*18h30 // Concluding remarks*  
*19h00 // End*

**BERLIN ROOM**  
(Basement)



**XENOPUS WORKSHOP**





## 6<sup>th</sup> annual meeting of the EFOR network

10<sup>th</sup> March 2015

### NON HUMAN PRIMATES WORKSHOP



#### ORGANIZED BY

Romain Lacoste

#### MORNING

*08h45 // Registration and welcome coffee (hall)*

*10h00 // Introduction by the organizer*

#### // SESSION 1: BIOMEDICAL //

- ▶ **10h15 Christophe Arnoult** (CNRS, Grenoble): Infertility and non-human primate research
- ▶ **11h00 Thomas D'Hooghe** (Faculty of Medicine, Belgium): Use of NHP in reproductive medicine
- ▶ **11h45** Round table

*12h00 // Lunch (cafeteria)*

 **PARIS ROOM**  
(1<sup>st</sup> Floor)

## NON HUMAN PRIMATES WORKSHOP

**6<sup>th</sup> annual meeting of the EFOR network**  
10<sup>th</sup> March 2015



**NON HUMAN PRIMATES WORKSHOP**



**ORGANIZED BY**

Romain Lacoste

**AFTERNOON**

**// SESSION 2: ECO-ETHOLOGY //**

- ▶ **14h00 Cécile Garcia** (*CNRS, Paris*): Multimodal sexual signaling and mating behavior in non-human primates
- ▶ **14h30 Stefano Vaglio** (*Durham University, UK*): Olfactory communication and reproductive strategies in non-human primates
- ▶ **15h00 Tobias Deschner** (*MPI, Leipzig*): Non-invasive endocrinological methods in primate research
- ▶ **15h30** Round table

*15h45 // Coffee break (hall)*

**// SESSION: CONSERVATION //**

- ▶ **17h00 Thomas Hildebrandt** (*IZW, Germany*): Non-human primates conservation management using reproduction techniques
- ▶ **17h30 Thomas Hildebrandt** (*IZW, Germany*): IZW reproduction management with mammal species
- ▶ **18h00** Round table

*18h15 // Concluding remarks*

*18h30 // End*

**PARIS ROOM**  
(1<sup>st</sup> Floor)



**NON HUMAN PRIMATES  
WORKSHOP**





## 6<sup>th</sup> annual meeting of the EFOR network

10<sup>th</sup> March 2015

### AGRONOMIC MODELS WORKSHOP



#### ORGANIZED BY

Eric Pailhoux & Florian Guillou

#### MORNING

08h45 // Registration and welcome coffee (hall)

09h15 // Introduction by the organizers

#### // SESSION 1: GENOMICS AND BIOTECHNOLOGY IN AVIAN MODEL //

- ▶ **09h30 Sébastien Guizard** (UMR PRC INRA, Nouzilly): Organization and annotation of repeated sequences in the Red junglefowl genome
- ▶ **10h00 Alain Vignal** (GenPhySE INRA, Toulouse): Update on the sequencing of the quail genome
- ▶ **10h45 Vincent Coustham** (URA INRA, Nouzilly): Genome-wide DNA methylation analysis of heat-acclimated chickens

11h00 // Break

- ▶ **11h15 Sandrine Lagarrigue** (UMR Pegase INRA, Rennes): RNA-seq: interests for research
- ▶ **11h45 Jérôme Gros** (Institut Pasteur, Paris): Generating genomic and molecular genetic resources for the quail
- ▶ **12h15 Vanessa Guérin** (URA INRA, Nouzilly): Set up and characterisation of primordial germ cells (PGCs) culture in the black chick from Berry

12h30 // Lunch (cafeteria)



**ATHÈNES ROOM**

(Basement)



**AGRONOMIC MODELS  
WORKSHOP**

**6<sup>th</sup> annual meeting of the EFOR network**  
**10<sup>th</sup> March 2015**



**AGRONOMIC MODELS WORKSHOP**



**ORGANIZED BY**

Eric Pailhoux & Florian Guillou

**AFTERNOON**

**// SESSION 2: GENOMICS AND BIOTECHNOLOGY IN FARM MAMMALS //**

- ▶ **14h00 Alain Pinton** (*INRA-ENVT, Toulouse*): Chromosome rearranging in farm species
- ▶ **14h30 Carole Charlier** (*GIGA, Belgium*): What we learn from cow genetics
- ▶ **15h00 Sandrine Floriot** (*INRA CR, Jouy-en-Josas*): Example of a natural mutation in cows: a clinical model?

*15h30 // Coffee break & sponsors booth (hall)*

- ▶ **16h30 Aurélien Capitan** (*INRA CR, Jouy-en-josas*): high-throughput technics for functional studies in cow
- ▶ **17h00 Maëlle Pannetier** (*INRA CR, Jouy-en-Josas*): FOXL2 invalidation in goat

*17h30 // Concluding remarks*

*18h00 // End*

**ATHÈNES ROOM**  
(Basement)



**AGRONOMIC MODELS  
WORKSHOP**





## 6<sup>th</sup> annual meeting of the EFOR network

10<sup>th</sup> March 2015

### MARINE METAZOA WORKSHOP



#### ORGANIZED BY

Jenifer Croce, Julia Morales, Hector Escriva & Sébastien Darras  
EMBRC-Fr joint session

### MORNING

08h45 // Registration and welcome coffee (hall)

10h00 // Introduction by the organizers

#### // SESSION 1

- ▶ **10h15 Eric Röttinger** (*Univ of Nice, France*): Understanding the re-deployment of embryonic Gene Regulatory Networks during *Nematostella vectensis* regeneration
- ▶ **10h45 Sandip Patel** (*Univ College, London*): Ancestral Ca<sup>2+</sup> signalling in the sea urchin
- ▶ **11h15 Juan Tena** (*Univ, Sevilla*): Functional genomics in *Amphioxus* sheds light on the evolution of vertebrate regulatory landscapes
- ▶ **11h45** Round table

12h00 // Lunch (cafeteria) & sponsors booth (hall)



**STOCKHOLM ROOM**

(Basement)

**MARINE METAZOA  
WORKSHOP**



**6<sup>th</sup> annual meeting of the EFOR network**  
10<sup>th</sup> March 2015



**MARINE METAZOA WORKSHOP**



**ORGANIZED BY**

Jenifer Croce, Julia Morales, Hector Escriva & Sébastien Darras  
EMBRC-Fr joint session

**AFTERNOON**

**// SESSION 2**

- ▶ **14h00 Maurice Elphick** (*Queen Mary Univ, London*): Evolution and comparative physiology of neuropeptide signalling: echinoderms as model systems
- ▶ **14h30 Jean-Philippe Chambon** (*UPMC, Paris*): Cell fates during tail regression in the ascidian *Ciona intestinalis*
- ▶ **15h00 Nicolas Bierne** (*SB, Sète*): An overview of some population genomics studies in marine organisms
- ▶ **15h30** Round table

*15h45 // Coffee break & sponsors booth (hall)*

**// SESSION 3**

- ▶ **16h30 Anaëlle Pierre** (*IJM, Paris*): Predicting embryonic division cleavage patterns
- ▶ **17h00 Alexander Ziegler** (*Biosolutions, Waldshut-Tiengen, Germany*): Large-scale phenotyping: sea urchins as model organisms
- ▶ **17h30 Michaël Manuel** (*UPMC, Paris*): Did nervous systems originated twice? The ctenophore controversy
- ▶ **18h00** Round table

*18h15 // Concluding remarks*

*18h30 // End*

**STOCKHOLM ROOM**  
(Basement)



**MARINE METAZOA  
WORKSHOP**





**6<sup>th</sup> annual meeting of the EFOR network**  
**10<sup>th</sup> March 2015**

## **ARABIDOPSIS THALIANA AND FRIENDS WORKSHOP**



### **ORGANIZED BY**

Emmanuel Guiderdoni, Christian Meyer & Pascal Ratet

### **MORNING**

*8h45 // Registration and welcome coffee (hall)*

*10h00 // Introduction by the organizers*

#### **// SESSION 1: ROOT PHENOTYPING PLATFORMS //**

- ▶ **10h15 Philippe Nacry** (*INRA, Montpellier*): Rhyzscan HT a key step toward a high-throughput phenotyping platform dedicated to root development
- ▶ **10h45 Alain Audebert** (*CIRAD, Montpellier*): Rhizoscope: a tool dedicated to the phenotyping of roots for studying their architecture
- ▶ **11h15 Christophe Salon** (*INRA, Dijon*): High-throughput phenotyping of interactions between plants and microorganisms, associated devices
- ▶ **11h45** Round table

*12h00 // Lunch (cafeteria) & sponsors booth (hall)*



**BUDAPEST ROOM**

*(Basement)*

**ARABIDOPSIS THALIANA  
AND FRIENDS WORKSHOP**

**6<sup>th</sup> annual meeting of the EFOR network**  
10<sup>th</sup> March 2015



## **ARABIDOPSIS THALIANA AND FRIENDS WORKSHOP**



### **ORGANIZED BY**

Emmanuel Guiderdoni, Christian Meyer & Pascal Ratet

### **AFTERNOON**

#### **// SESSION 2: DIVERSITY, ADAPTATION AND INTERACTIONS WITH ENVIRONMENT //**

- ▶ **14h00 Jacques Roy** (CNRS, Montpellier): Use of plant models (*Brachypodium distachyon* and *Medicago truncatula*) at the Ecotron, a platform dedicated to ecology:
  - 1) experimental variability and reproducibility of results;
  - 2) concept of an ecosystem model
- ▶ **14h30 Christian Meyer/Olivier Loudet** (INRA, Versailles): High-throughput phenotyping to decode the complexity of natural variation in *Arabidopsis thaliana*
- ▶ **15h00 Jean-Luc Verdeil** (CIRAD, Montpellier): Anatomical phenotyping of plants: from dream to reality
- ▶ **15h30** Round table

*16h00 // Coffee break & sponsors booth (hall)*

#### **// SESSION 3: BIO-INFORMATICS AND DATA PROCESSING //**

- ▶ **17h00 Pierre Roumet** (INRA, Montpellier): Plant production under abiotic stress conditions: an instrumented field phenotyping platform -DiaPhen- to assess genetic variability
- ▶ **17h30 Cyril Pommier** (INRA, Versailles): Management and integration of plant phenotyping experimental data: the Phenome information system and GnplS.Ephesis
- ▶ **18h00** Round table

*18h15 // Concluding remarks*

*18h30 // End*

**BUDAPEST ROOM**  
(Basement)



**ARABIDOPSIS THALIANA  
AND FRIENDS WORKSHOP**





# 6<sup>th</sup> annual meeting of the EFOR network

10<sup>th</sup> March 2015

## ALGAE WORKSHOP



### ORGANIZED BY

Catherine Boyen & Hervé Moreau  
EMBRC-Fr joint session

## MORNING

8h45 // Registration and welcome coffee (hall)

9h15 // Introduction by the organizers

### // SESSION 1: GENOMICS & EVOLUTION //

- ▶ **09h30 Guillaume Blanc** (*IGS, Marseille*): Genomic footprints of past viral infections in algae
- ▶ **10H00 Bénédicte Charrier** (*LBI2M, Roscoff*): Cell differentiation in the filamentous brown alga *Ectocarpus*: genetic and biophysical parameters
- ▶ **10H30 Giovanni Finazzi** (*IRTSV, Grenoble*): Regulation of algal photosynthesis by light

11h00 // Short break

- ▶ **11h15 Alexandre Cormier** (*LBI2M, Roscoff*): Re-annotation of the *Ectocarpus* genome: improvement of the brown alga model
- ▶ **11h30 Marina Cavaiuolo** (*IBPC, Paris*): Small RNAs in the chloroplast of *Chlamydomonas reinhardtii*

11h45 // Lunch (cafeteria) & sponsors booth (hall)



**COPENHAGEN ROOM**  
(Basement)



**ALGAE WORKSHOP**

# 6<sup>th</sup> annual meeting of the EFOR network

10<sup>th</sup> March 2015



## ALGAE WORKSHOP



### ORGANIZED BY

Catherine Boyen & Hervé Moreau  
EMBRC-Fr joint session

## AFTERNOON

### // SESSION 2: DIVERSITY, ADAPTATION AND INTERACTIONS WITH ENVIRONMENT //

- ▶ **13h30 Claire Gachon** (*SAMS, UK*): Disease resistance mechanisms to eukaryotic pathogens in photosynthetic stramenopiles
- ▶ **14h00 Catherine Leblanc** (*LBI2M, Roscoff*): Defense and distance signaling in brown algal kelps during interactions with herbivores
- ▶ **14h30 Nigel Grimsley** (*BIOM, Banyuls*): Prasinovirus-algal interactions in the marine environment
- ▶ **15h00 Emeline Creis** (*LBI2M, Roscoff*): Biosynthetic pathways of phlorotannins in brown algae, toward elucidation of their biological and ecological roles
- ▶ **15h15 Han-Yi Fu** (*IBPC, Paris*): Providing exogenous quinones with access to the photosynthetic electron flow from photosystem II

*15h30 // Coffee break & sponsors booth (hall)*

### // SESSION 3: ALGAL BIOTECHNOLOGY //

- ▶ **16h30 Jean-Paul Cadoret** (*Ifremer, Nantes*): Biotechnologies and microalgae
- ▶ **17h00 Philippe Potin** (*LBI2M, Roscoff*): IDEALG un projet pour la reconnaissance de l'apport des modèles de macro-algues et bactéries marines associées en biologie fondamentale et pour l'innovation
- ▶ **17h30 Hélène Gateau** (*IUML, Le Mans*): Pulse electric fields allow the biocompatible extraction of molecules from the microalgae *Haematococcus pluvialis*
- ▶ **17h45 Giulio Stella** (*BCQ, Paris*): TALEN-mediated genome editing in diatoms

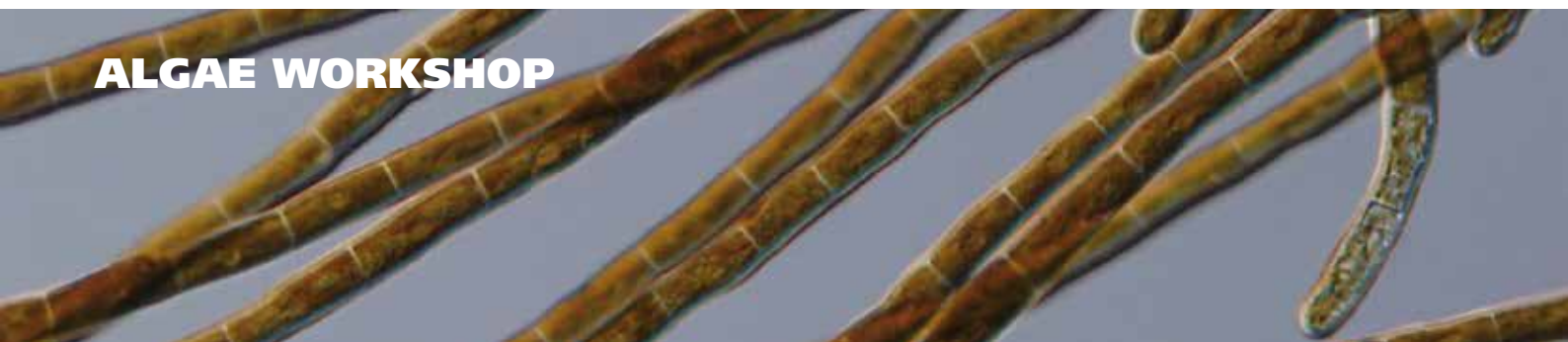
*18h00 // Concluding remarks*

*18h30 // End*

**COPENHAGUE ROOM**  
(Basement)



**ALGAE WORKSHOP**





# 6<sup>th</sup> annual meeting of the EFOR network

11<sup>th</sup> March 2015

## VIBRIO WORKSHOP



### ORGANIZED BY

Frédérique Le Roux  
EMBRC-Fr joint session

## MORNING

8H45 // Registration

### // SESSION 1: ECOLOGY //

- ▶ **09h00 Frédérique Le Roux** (*Station Biologique de Roscoff, France*): Objective of the workshop & population, comparative and functional genomics of oysters pathogen
- ▶ **09h30 Mathias Wegner** (*Alfred-Wegener-Institut, Germany*): Population structure and ecology of *Vibrio* in oyster
- ▶ **09h50 Luigi Vezzuli** (*Genova Univ., Italy*): *Vibrio* and Climate change: what's relevant for Europe?

10h10 // Coffee break

### // SESSION 2: PATHOGENESIS //

- ▶ **10h40 Carlos Osorio** (*Santiago de Compostela Univ., Spain*): *P. damsela* pathogenesis in homeotherm and poikylotherm animals
- ▶ **11h00 Carmen Amaro** (*Valencia Univ., Spain*): Host-pathogen interaction in *Vibrio vulnificus*
- ▶ **11h20 Jennifer Ritchie** (*Univ. of Surrey, UK*): Pathogenesis, Rabbit models
- ▶ **11h40 Tom Defoirdt** (*Ghent Univ., Belgium*): Gnotobiotic & conventional models (fish, crustacean, mollusk)

12h00 // Lunch (cafeteria)



**BERLIN ROOM**

(Basement)

**VIBRIO WORKSHOP**

# 6<sup>th</sup> annual meeting of the EFOR network

11<sup>th</sup> March 2015



## VIBRIO WORKSHOP



### ORGANIZED BY

Frédérique Le Roux  
EMBRC-Fr joint session

## AFTERNOON

### // SESSION 3: MOLECULAR MECHANISMS //

- ▶ **14h10 Delphine Destoumieux** (*Univ. of Montpellier, France*): Intracellular survival in phagocyte
- ▶ **14h30 Melanie Blokech** (*EPFL, Lausanne, Switzerland*): Evolution, genome plasticity, transformation, environmental reservoir
- ▶ **14h50 Didier Mazel** (*Institut Pasteur, France*): Genome plasticity and dynamic
- ▶ **15h10 Annick Jacq** (*IGM, Paris-Sud Univ., France*): Evolution of regulatory networks involving sRNAs in vibrios
- ▶ **15h30 Felipe Cava** (*MIMS, Sweden*): Cell wall plasticity
- ▶ **15h50 Gram Lone** (*Univ. of Copenhagen, Denmark*): *Vibrionaceae* a new source of bioactive compounds

16h10 // Coffee break

### // SESSION 4: RISK SURVEY AND MANAGEMENT //

- ▶ **16h30 Eckhard Strauch** (*Bundesinstitut für Risikobewertung, Germany*): Genetic and phenotypic characterization of *V. vulnificus cholerae* non 01 -0139 in Germany
- ▶ **16h50 Alexander Kirschner** (*Medical Univ. of Vienna, Austria*): Microdiversity study of *V. cholerae* in Austria
- ▶ **17h10 Stephan Hühn** (*Univ. of Berlin, Germany*): VBNC of *V. paraemolyticus*
- ▶ **17h30 Gunnar Gerdts** (*Alfred-Wegener-Institut, Germany*): Climate change induced shifts in potentially human pathogenic *Vibrio spp.* populations in the German Bight

17h50 // Concluding remarks

18h30 // End

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