# Partner search
Date (Dec. 2017)

- ## (*) Relevant topic in work programme

- **1/ Microalgae biotechnology:** The AMI consortium is involved on the study of microalgae from the study of metabolism and physiology to processes adapted to the specificities of microalgal biomass.
  2/ Process development in microalgal culture and refining: The AMI consortium conducts research on photobioreactor engineering, metabolic orientated cultures, microalgal wet-biomass biorefining for by-products valorization, procedures for culture media recycling and microalgae culture on industrial effluent (urban wastewater, fisheries effluents, industrial CO2, fatal heat…)
  3/ Interdisciplinary training activities : AMI consortium with the Nantes University and Université du Maine, propose training activities for professionals (microalgae culture – downstream processes – analytical methods) and display a large offer of Masters (International Master MBE, Microalgal Bioprocess Engineering (UN/Polytech), Master 2 Bioproduction et bioproduits des écosystèmes marins (U. Nantes), Joint Master Degree Erasmus + Aquaculture, Environment & Society (U. Nantes), Master 2 Toxicologie de l'Environnement (U. Maine)).

- ## Quick description of the project

(describe the objectives, activities, partners requested and their skills)

The AMI consortium which gathered the researchers working on microalgae from the "Région des Pays de la Loire" is interested in addressing jointly scientific issues related to the development of sustainable aquaculture. The broads activities of the consortium are strongly complementary covering research from omics to production and biorefinery scaling-up.
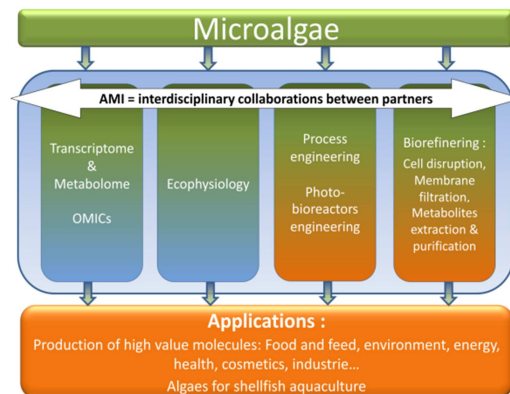
The teams involved in the consortium can address issues related with strain selection, prophylactic effects of microalgae molecules on different organisms, photobioreactor engineering, and downstream process for microalgae valorization on animal feed nutrition.

- ## (*) Description of the expertise requested (up to 1000 characters)

The AMI consortium is interested in joining a project related to microalgae production for aquaculture applications. We are especially looking partners involved in microalgal species selection, biological optimization, and animal feed nutrition (biological activities assessment, animal feed testing…).

- ## Keywords describing the expertise requested (up to 10 words)

- Aquaculture
- Microalgae biomass
- Animal feed nutrition
- Biological activities assessment

Organisation information

Organisation and country: Laboratory GEPEA UMR 6144-Université de Nantes – Laboratory Mer Molecule Santé (Université de Nantes et Université du Maine) – Laboratory PBA (Ifremer)- FRANCE
Type of organisation: □ Enterprise □ SME **X** Academic □Research institute □ Public Body □ Other: Association
Former participation in FP European projects? □ Yes □ No
Web address: https://www.gepea.fr/ http://www.mms.univ-nantes.fr/english-version/ http://wwz.ifremer.fr/pba_eng/
Description of the organisation: AMI (Atlantic Microalgae) is a scientific consortium gathering 3 major scientific actors of the Région des Pays de la Loire : • Université de Nantes : Laboratory GEPEA - CNRS • Université du Maine : Laboratory MMS • Ifremer : Laboratories PBA & Phycotoxines The consortium integrate the areas of expertise of the three partners: • IFREMER : ecophysiology , omic sciences, strain improvement, harmful microalgae study • MMS : enzyme engineering, chemistry of natural substances, ecophysiology and biodiversity • GEPEA-CNRS: process engineering, photobioreactors engineering, separative process, biorefinering   The consortium objective is to address complex issues related to the development of microalgae industry and focus is interested in focus their joint scientific strategy on the aquaculture field issues.

(*) Contact details

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(*) –Mandatory