



**UNITA POSTGRADUATE INTERNSHIPS (WP4)**  
Université de Pau et des Pays de l'Adour (UPPA)

**1. GENERAL INFORMATION**

- Entity : Laboratoire SIAME – Université de Pau et des Pays de l'Adour (UPPA) - France
- **UNITA Liaison service contact and e-mail: [xavier.peres@univ-pau.fr](mailto:xavier.peres@univ-pau.fr)**

**2. INTERNSHIP TRAINING PROJECT**

- Degree requested Master 1 or Master 2 (or equivalent: engineering school)
- Transversal competences  
Ability to learn - Creativity – Enthusiasm – Initiative – Planning and organizing  
Working with others – Communication skills
- Specific competencies (*Specific competencies of the university degree that will be acquired during the internship. Please, include at least five competencies*)
  - Literature review
  - Pulsed electric field engineering
  - Biophysics (microalgae)
  - Analytical methods
  - Management of a research project with different partners
- Main activities during the internship:  
The objective of the Master internship will be to experimentally study the electroporation of microalgae membranes by using pulsed electric fields as a pretreatment for the subsequent extraction of compounds of interest.
- Sustainable Development Goals (SDGs) (*Please, indicate at least two SDGs linked to the internship*)  
Industry, innovation and infrastructure  
Response consumption and production  
Life below water
- Academic tutor at the University and e-mail:  
Yves Le Guer (Associate Professor): [yves.leguer@univ-pau.fr](mailto:yves.leguer@univ-pau.fr)

**3.- CONDITIONS AND PROFILE OF THE INTERNSHIP**

- Number of places offered: **1**
- Place of realization of the internship  
Pau university (south of France)
- Full address  
Laboratoire SIAME, avenue de l'Université, 64000 Pau - France
- Scheduled start date (*will be specified once the request is approved*)  
April, 2023 (if possible)
- Scheduled end date (*It will be set depending on the schedule*).

- July 31, August 31 or September 30 (if August not worked)
- Scheduled time (*Specify the daily scheduled time*).  
7 hours / day to be defined with the student
  - Total hours (*Please, calculate the total hours taking to account the schedule and dates, holidays, etc. The number of hours must be following the internship's schedule and duration*).  
For a 4-month internship (16 weeks): 360 hours
  - Contact person at the entity/company (*Different from the academic tutor*)
  - Legal representative:  
Prof. Laurent Pécastaing, head of the SIAME Laboratory
  - Address of the Entity or Company  
Laboratoire SIAME, avenue de l'Université, 64000 Pau - France
  - **Other requirements** (Languages, others...)  
Proficiency in english is required

#### **4.- GRANTS DETAILS**

Expenses payed by the University or the entity:

Amount: 600 € /month

Payment by bank transfer

(*Specify amount, period, payment method, etc.*)

#### **5.- OBSERVATIONS**