PEARL PhD
BUDGET
≈€1,600
NET MONTHLY SALARY OF THE PHD STUDENT (BEFORE INCOME TAX)
€500
LUMP SUM MANAGED BY THE PHD STUDENT TO COVER RELOCATION TO LILLE, SUPPORT FOR FAMILY AND TRAVEL...
+ €400
MANAGED BY THE LAB TO COVER RESEARCH COSTS
+ €200
MANAGED BY THE I-SITE ULNE TO COVER TRAINING COSTS

A PERSONALIZED WELCOME TO LILLE INCLUDING:
• Support for VISA and administrative procedures (bank, health care, etc.)
• Accommodation pre-booked for the first 6 months
• Courses in French as a foreign language

LILLE, A VIBRANT CITY
AT THE HEART OF EUROPE
1.5 MILLION TOURISTS PER YEAR
1.2 MILLION INHABITANTS
110,000 STUDENTS
28 MUSEUMS

HIGH STANDARD
OF LIVING

RECRUITMENT CALENDAR 2020*

1 FEBRUARY 2020
THESIS SUBJECTS AVAILABLE ON PEARL WEBSITE
WWW.PEARL-PHD-LILLE.EU
2 APRIL 2020
DEADLINE FOR APPLICATIONS
3 JUNE 2020
OFFICIAL ANNOUNCEMENT OF RESULTS
4 SEPTEMBER 2020
STARTING DATE OF THE 3-YEAR PHD CONTRACTS

CALL TO BE RENEWED IN 2021

A TOTAL OF 30 PEARL PhD STUDENTS WILL BE RECRUITED IN 2020 AND 2021

*Eligibility: Early-stage researchers (ESR) who are in the first 4 years of their research careers, do not been awarded a doctoral degree and have not resided or carried out their main activity in France for more than 12 months during the past 3 years prior to their recruitment.

BUDGET
PEARL PHD

HIGH STANDARD
OF LIVING

PEARL
Programme for EArly-stage Researchers in Lille
FULLY FUNDED
PhD SCHOLARSHIPS
IN LILLE, FRANCE

BRINGING TOGETHER
THE WORLD’S TOP RESEARCH TALENTS

Doctoral programme of excellence funded by the European Marie Skłodowska-Curie Actions

Lille, a vibrant city
A metropolis in a dynamic region with natural sites such as the Côte d'Opale (Channel), a UNESCO World heritage center and cultural activities such as music festivals, world-class museums... and more to discover.

CONTACT & INFO
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More information at www.pearl-phd-lille.eu
Follow us on

APPLICATION IN FEBRUARY 2020

PARIS 1h
AMSTERDAM 2h 30
BRUSSELS 1h 45
LONDON 1h 20

1.5 million tourists per year
1.2 million inhabitants
110,000 students
28 museums

A metropolis in a dynamic region with natural sites such as the Côte d'Opale (Channel), a UNESCO World heritage center and cultural activities such as music festivals, world-class museums... and more to discover.
## INTERDISCIPLINARY RESEARCH TOPICS

### 1. PRECISION HUMAN HEALTH
- Precision health; innovative statistical approaches; OMICS and big data processing; AI; methodological innovations; pathology modelling; emerging drug; system biology and integrated bio-informatic; stratification of cohorts; precision medical devices; ethical and social challenges; application in cancer, diabetes and cardiometabolic diseases, neurodegenerative/neurological diseases; inflammation and infectious diseases

### 2. SCIENCE FOR A CHANGING PLANET
- Aerosols; analytical electron microscopy; beam sensitive materials; biorefineries; ecology; electromobility; HDO; history; hybrid catalysis; law; machine learning; materials under extreme conditions; multi-scale modelling; nanoparticles; philosophy; photo(electro)-catalysis and plasmonics; politics of chemistry; pyrolysis; radionuclides, relativistic effects; solar system formation; techno-(bio)economics

### 3. HUMAN-FRIENDLY DIGITAL WORLD
- AI (machine learning); Internet of Things; computational systems for cognition & interaction; cultural studies & mediation; deep tech & energy; impacts of IT on individuals, organizations & societies; intelligent bioinspired connectivity; safety & privacy; security in digital networks

### FOR GREAT SCIENTIFIC OPPORTUNITIES

#### PROJECT PARTNERS

- **Coordination**
  - LE LILLY UNIVERSITY LILLE NORD-EUROPE

- **Host Institutions**
  - Lille University of Science and Technology
  - ens (Lille)
  - Cnrs (Lille)
  - Inria (Lille)
  - Inserm (Lille)
  - CHU Lille (Lille)
  - KU LEUVEN (Belgium)
  - University of Kent (UK)

- **Joint Labs with International**
  - (KU Leuven, Kent, Oulu, UGA, etc.)
  - Industrial (EDF, Thales, etc.)

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**Region Hauts-de-France**

**This project is also supported by the Conseil régional Hauts-de-France via its FRAPPE programme.**

#### DOCTORAL TRAINING
- A specific and personalized training for PhD students and supervisors on key topics: management, intellectual property rights, communication, open access, etc.

#### RESEARCH EXCELLENCE IN LILLE

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,100 PhD Students</td>
<td></td>
</tr>
<tr>
<td>2,000 Researchers</td>
<td></td>
</tr>
<tr>
<td>70 Research Units</td>
<td></td>
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<tr>
<td>150 Nationalities</td>
<td></td>
</tr>
<tr>
<td>17 Recipients of ERC Grant</td>
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</tr>
<tr>
<td>11 Laboratories &amp; Facilities of Excellence (Labex &amp; Equipex)</td>
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</tbody>
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**minimum 1-month short research placement** in an international partner university (KU Leuven, Ghent University and University of Kent, etc.) or possibilities of dual-degree doctorate.

**minimum 1-month secondment** with an industrial partner (Roquette, Vekia, Apteeus, Neo-eco, Cozyair, etc.)