



Physics-Chemistry **Avenir**

PCA
JUNIOR  ENTREPRISE
DE L'ESPCI PARIS - PSL

Who are we ?

For nearly 40 years, Physics-Chemistry Avenir has put students from ESPCI Paris – PSL in touch with professionals on a wide panel of scientific subject such as quantum physics, polymer chemistry or cell biology.



A quick peak at ESPCI



1st FRENCH SCHOOL
of engineer at ARWU in
2019



6 NOBELS PRIZE
awarded from Marie Curie
to Georges Charpak



450 RESEARCHERS
available to support our
students



50% OF PW
to ensure a complete scien-
tific formation



Study of you **needs** and
proposal of **personalized**
answers



Writing of **specification**
and a **commercial propo-**
sal



Recruitment of a **consultant**
among our students and **su-**
pervision of the mission by a
member of PCA



Deliverty of deliverables
in **time** with **warranty**
phases

Our fields of expertise

- Organic, Inorganic and Polymer Synthesis
- UV/Visible, IR, Raman et NMR spectroscopy
- Colloids and solid-state Chemistry
- Separation Science
- LC/GC-MS

- Intellectual Property
- Scientific Translation

- Optics
- Thermodynamics
- Microfluidics
- Electronics
- Quantum Physics
- Fluid and Material Mechanics
- Acoustic and Electromagnetics

- Programming (C, Python et Matlab ...)
- Numerical Simulation
- Database Processing
- Signal Processing
- Statistics



- Protein Chemistry
- Genetic Engineering
- Nanobiotechnologies
- Neurobiology
- Physiology

Our Excellence Partners :



BNP PARIBAS



Junior-Entreprises

JUNIOR PSL
UNIVERSITÉ PARIS

They Trusted US :



For **WeCo**, PCA led a **comparative study** of electrodes in order to purify polluted water through **electrolysis**. The measurement of **chemical and biological** concentrations allowed us to choose the most efficient combinaison to justify the **client needs**.



With **Saint-Gobain**, PCA led a **bibliographic study** aimed to find **new lines of business and applications** for their ceramics. PCA managed to face the challenge with **creativity and relevance**.



With **Caffelink**, PCA examined the efficiency of two **extracting processes** of pigments from used coffee grounds. At the same time, we **reevaluated** the conversion into biodiesel.

Why not you ?



100 % of recommendations from our customers since 2017



8.5/10, average rating of our services by our clients in 2019



Master degree, average qualification of our consultants

For all **your needs**, have **PCA's reflex** !

Contact

Physique-Chimie Avenir

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