Clean energy from your waste

Internship offer
Biochemist

What if your waste became, for everyone, a source of low-carbon energy?

Who We Are

LoopS is an environmental project built on a simple vision: give communities the tools to turn their organic waste into local, affordable and clean energy.

19 000 Eiffel Towers: that's the mass of organic waste generated in Europe every year. Most of it ends up incinerated or landfilled, generating high greenhouse gases emissions and squandering resources. The existing recovery processes are expensive and unsuitable for cities.

We are designing a small-scale and affordable waste recovery process.
Our mission: make circular solutions accessible everywhere, for everyone.

The internship is conducted in collaboration with URD ABI AgroParisTech (the Research & Development Unit in Industrial Agro-Biotechnologies), located within the Center for Biotechnology and Bioeconomy (CEBB) at the core of the Pomacle-Bazancourt biorefinery. URD ABI focuses on biomass valorization through an integrated approach combining biotechnology, green chemistry, and process engineering. With strong expertise in chemistry, polymers and materials, microbiology, biochemistry, molecular biology, chemical engineering, separation processes, and analytical chemistry, the unit leads multidisciplinary and transdisciplinary fundamental and applied research projects. Its overarching goal is to design and optimize sustainable industrial processes and high value-added products derived from agricultural resources and industrial by-products.

We are looking for a scientist and late co-founder to work with us in the early stages of development, and to lay the technical foundations of the project.

Your Role

Location: Center for Biotechnology and Bioeconomy, 3 Rue des Rouges-Terres, Pomacle (51110), Paris – Saclay - Hybrid possible

Start date: January – February 2026

As a biochemist intern, you'll join the founder and our research partners to develop a starchy waste recovery process.

Your missions

· Co-develop a bioprocess for the valorization of starchy food waste and coproducts
· Set up and run lab experiments, including bench-scale tests and pilots
· Analyze and document results, yields, kinetics, and process performance
· Drive iterative improvement based on data and feedback
· Take part in the prototyping

The job is made for you if you are…

· Personally driven by environmental causes
· A scientist at the Master's or engineering degree level, in biochemistry, microbiology, or bioprocess engineering
· Experienced in lab work: fermentation, microbial cultures, analytics, lab protocols
· Excited by collaborative work, open dialogue, and interdisciplinary challenges
· Eager to take on technical and strategic responsibilities
· Curious, autonomous, rigorous, and willing to build something from scratch
· Looking for a meaningful and exciting adventure!

Bonus points for people who:
· Have prior experience with anaerobic digestion, alcoholic fermentation, or waste recovery in general
· Desire to get involved in a long-term project with environmental and human impact
· Are fun :)

What We Offer

· A core role in a mission-driven project, from research to deployment
· A deep dive into applied research, framed by real-world constraints and impact
· Space for autonomy, initiative, and decision-making — we're building together
· Shared equity as part of the founding team and governance opportunities
· A working culture built on trust, clarity, empathy – and, please, good humor!

One Last Thing…

You don't have to tick all the boxes - we're looking for humans, not checklists.
If you are looking for an impact-driven scientific project, and eager to make a difference, we'd love to hear from you!

Grant

According to the current scale

Please send applications to: nabila.imatoukene@agroparistech.fr and margot.solari@loops-energy.com