

## Amer-Sil S.A.

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# Industrial internship at Amer-Sil Luxembourg.

**Tempting opportunity to gain experience in industry oriented research**

## **Project: Ion exchange membrane formulation for electro dialysis (ED) application**

*...this project is a unique blend of polymer chemistry, membrane science and electrochemistry...*

If you are a:

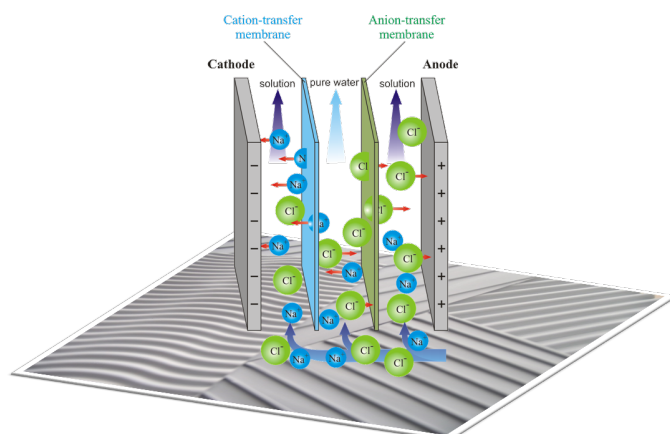
- **chemist**
  - **chemical engineer**
  - **polymer engineer**
  - **material scientist**
- or have other experience in membrane or material science of any kind? We might be looking for you.

**[www.amer-sil.com](http://www.amer-sil.com)**

**Contact to apply or hear more about the internship**

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R&D manager  
Amer-Sil, Luxembourg



### Amer-Sil in short:

Our company specializes in production of porous materials now used as separators in lead-acid batteries. **Membrane technology** is in the center of our R&D activities and ion exchange takes a prominent role. We have **many years of experience in working with Student Interns** providing excellent career start and the satisfaction of accomplishing research objectives.

### Internship conditions:

- **Work in the R&D Department with our young, dynamic team of about 10 researchers (4 PhDs).**
- **Gain daily guidance from a project leader holding a PhD degree and industrial research experience.**
- The internship period is 6 months starting in winter/spring 2017/2018 (flexible).
- A contribution to the intern's living cost will be paid.

### Job description:

- **Laboratory:** Preparation, characterization and testing of hierarchical ion exchange membranes
- **Office:** report writing, small literature searches
- **Key skills involved:** •Polymer coating formulation & application; •Membrane testing: permeability, chemical stability, mechanical; running test ED cells •analytical techniques: microscopy, UV-VIS, titration, porosimetry...
- Participation in daily activities of the R&D team: safety briefings, project revisions etc.

### Candidate profile and requirements:

- **We look for students in chemistry related master studies. (possibility for Master Project)**
- Good knowledge of spoken and written English is a must; French language skills can be an advantage (not necessary in the lab).