

Amer-Sil S.A.

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Industrial Internship – Membrane Chromatography in R&D

About AmerSil:

Our company specializes in production of porous materials for many decades and now targeted in biomolecule separation in food and biotech industries. Membrane technology is in the center of our R&D activities and functional membranes 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.

Project description:

The research work focused on the process performance of novel materials for selective purification of biomolecules targeted in food and biotech sectors. The intern will gain in-depth experience in membrane chromatography in assisting experimental design and execution of experiments and help R&D team. S/he will learn preparative and analytical techniques and support project related work for selective filtration/separation/purification in downstream based applications.

Job description:

- Laboratory: Characterization and testing of membranes
- Key skills involved: Evaluating static and dynamic binding capacity and back pressure tests; chemical and mechanical stability, titration, porosimetry
- Chromatography techniques: Ion exchange/affinity
- Analytical techniques : SDS-PAGE, UV-VIS, BCA, Bradford total protein assays
- Office: report writing and literature searches in relevant technical areas
- Participation in daily activities of the R&D team and maintain a safe work area

Internship conditions:

- Work in the R&D Department with dynamic team of about 10 researchers (4 PhDs)
- Gain guidance from a project leader holding a PhD degree and industrial research experience
- The internship period is 6 months in the February to July 2018 period (flexible)
- A contribution to the intern's living cost will be paid
- Training agreement with University/School is compulsory

Candidate profile and requirements:

- We look for students in biochemistry/biotechnology/biochemical engineering related license or bachelor studies
- Good knowledge of spoken and written English is a must

Contact to apply or hear more about the internship

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