

ARLANXEO is a world-leading synthetic rubber company with sales of around EUR 3.2 billion in 2017, about 3,800 employees and a presence at 20 production sites in nine countries.

Headquartered in Maastricht, The Netherlands, the company's core business is the development, manufacturing and marketing of synthetic high-performance rubber for use in the automotive and tire industries, the construction industry, and the oil and gas industries.

ARLANXEO was established in April 2016 as a joint venture of LANXESS - a world-leading specialty chemicals company based in Cologne, Germany - and Saudi Aramco - a major global energy and chemicals enterprise headquartered in Dhahran, Saudi Arabia. Since January 1, 2019 ARLANXEO is a wholly-owned subsidiary of Saudi Aramco.

Internship Position in Catalysis Research **(6-12 months, Geleen, The Netherlands)**

Description

One of the largest-volume synthetic rubbers of ARLANXEO is EPDM, a random copolymer of ethylene, propylene and diene that is produced by a catalytic polymerisation process. We are continuously developing better products for our customers. This may be achieved by designing new catalysts and improving existing catalysts to make new products and/or more efficient processes.

Our research group consists of enthusiastic researchers who are looking for a student who is interested in synthesizing new organic and organometallic compounds, and testing these new organometallic compounds for catalytic activity in producing EPDM. This internship combines literature studies, synthesis, analysis and lab-scale polymerization experiments.

Equipment/Techniques to be used:

- Synthesis of organic and organometallic compounds under inert atmosphere
- Testing of new catalysts and monomers under lab-scale olefin polymerization conditions (batch reactor and/or high-throughput experimentation platform)
- Use of modern spectroscopic and other analytical techniques (NMR, IR, GPC, DSC, GC/MS, etc.)

Your profile

- You are a chemist in the field of organic chemistry and/or organometallic chemistry.
- You are pro-active, self-propelling, creative, analytical and result oriented.
- You have a practical knowledge of Dutch or English.

Interested?

We offer an internship with many opportunities for personal input in an open atmosphere. Accommodation and financial compensation will be provided. If you are interested, please send us a letter of motivation and your CV to the contact person detailed below. Any questions concerning this internship can also be directed to this address.

Contact Person

Tobias Schindler, Scientist
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