

Vacancy: Researcher

SpectriS-dot BV is a "green" nanotechnology spin-off company from the University of Amsterdam and University of Twente, developing non-toxic semiconductor quantum dots based on silicon and organic materials for wide range of applications, such as in lighting and displays, as well as coatings and medical imaging probes. We are looking for an enthusiastic, talented, entrepreneurial and result-focused researcher with excellent communication skills to join our expanding team.

The researcher will synthesize new forms of silicon nanoparticles and optimize this non-toxic and promising nanomaterial in terms of emission efficiency, color definition, absorption and production scale. The eligible candidate is able to perform work independently, is proactive, inquisitive and engaged with our uncompromised mission to produce non-toxic nanomaterials for sustainable technologies of the future.

Requirements:

- PhD degree (or equivalent) in organic, organometallic or inorganic chemistry or a related field and a solid background in synthetic chemistry. Experience with bottom-up (or top down) synthesis of silicon nanoparticles is welcomed.
- Fluent English is essential, Dutch is not required, but will be advantageous for further integration in the Netherlands.
- Hands-on experience with chemical characterization techniques, such as UV-vis, fluorescence, FT-IR, NMR spectroscopy and chromatography is welcomed, understanding and/or experience with electron microscopy and XPS is advantageous, but not required.

We offer:

- Full-time (38 hours/week) position for 1 year, with the possibility of extension.
- Competitive salary in accordance with the Collective Labour Agreement for Dutch Universities, including a holiday allowance (8%).
- Opportunity to be part of an enthusiastic and friendly growing team of scientists and business developers with a vision.
- Opportunity to engage in research via University of Twente and University of Amsterdam.
- Researcher will perform his/her tasks in the buildings of University of Twente and on occasions will travel to the University of Amsterdam for in-depth optical analysis.

For extra information, please visit our homepage: www.SpectriS-dot.com. Interested candidates are invited to send their application, detailed curriculum vitae (2 page maximum), letter of motivation (1 page maximum), list of publications and list of (2+) references before 1 April 2020, via email info@spectris-dot.com. Further information can be acquired from Dr. Jos Paulusse, Paulusse@SpectriS-dot.com or Dr. Katerina Newell, Newell@SpectriS-dot.com.