

## Vacancy: Senior Fluidic Nozzle Researcher

Join us and be a key player in our exciting high-tech start-up company.

**Profile:** Expert with deep understanding and hands-on experience of microscale nozzle technologies.

**Key goal:** Realizing unique and scalable parallelized nozzle systems.

**Location:** Enschede, the Netherlands.

### Your goal

You will leverage your knowledge, skills, enthusiasm and network to accelerate the development of nozzle heads with unique functionalities to shape and control liquids at the micro-scale. You will lead the developments in your areas of expertise, and strongly interact with our driven and interdisciplinary team of process engineers and formulation chemists. Together, we realize a unique facility for fabricating sustainable and precisely controlled microcapsules based on liquid jet technology.

### Job responsibilities:

#### You will:

- guide the development of new parallelized nozzle systems.
- develop functional sub-systems for micro-scale fluidic processing based on physical understanding and relevant measurement and modeling approaches.
- build connections to relevant knowledge partners including customers, suppliers, and universities to realize high-tech solutions for IamFluidics.
- leverage strong communication and interpersonal skills to drive and implement decisions.
- help driving our culture by developing trust with senior and junior colleagues.

### Qualifications:

- 5+ years of experience in developing (ink)jet nozzles or related technologies.
- Broad overview and in-depth understanding of science and technologies in the field.
- Relevant hands-on skill set, for example:
  - Lab skills (preferred): fluidic handling, high-speed imaging, micro/nanofabrication and/or integration of fluidic devices.
  - Numerical modeling of micro-scale liquid flows.

- Background in (applied) physics, mechanical engineering, or related at MSc. or PhD. level.
- Excited to work in a small, fast-growing, international, and interdisciplinary environment.
- Practical mindset, able to create technical and organizational structures that benefit the team.

### About IamFluidics:

IamFluidics is a fast-growing company that was founded in 2018 as a spin-off of the University of Twente. We are passionate about engineering high-quality microparticles to create disruptive solutions that improve life quality. We focus on technological innovations in microfluidics and materials for personal care, pharmaceutical, biomedical, and food products. We care about learning continuously, innovating through science, contributing to life quality, creating a great place to work, and providing impactful, scalable, and sustainable solutions. IamFluidics was elected as Best Academic Startup of 2020 by the Association of Universities in The Netherlands (VSNU).

At IamFluidics you can have big company impact while working at a nimble and dynamic site. You will be part of a highly skilled and passionate multidisciplinary team consisting of physicists, chemists, biomedical and material engineers.

### Applications:

Please send your application including motivation letter and CV to Michiel van Alst (CEO; [m.vanalst@iamfluidics.com](mailto:m.vanalst@iamfluidics.com)). For more information please contact Claas Willem Visser (co-founder & CSO; [c.visser@iamfluidics.com](mailto:c.visser@iamfluidics.com)) or Michiel van Alst.

#### **IamFluidics BV**

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