

Engineer in Micro-technology / Micro-electronics

The company

3Brain is a young, dynamic, internationally active company whose mission is to provide state of the art technology to support life science and pharmaceutical research. We develop, manufacture and distribute high-quality instruments based on our patented high-resolution CMOS multi-electrode array (CMOS-MEA) for in vitro electrophysiology. The company is located in Switzerland nearby Zurich (Wädenswil) and has installed its products worldwide in laboratories and pharma companies also thanks to its network of distributors covering among others US, Canada, China and Japan.

More info: <http://www.3brain.com/about.html>

Job description

For the next expansion step, 3Brain is looking for a full-time engineer in Microtechnology/Microelectronics to reinforce our R&D team.

You will develop and prototype IP-blocks of new CMOS-based ASICs for our sensor systems, including electrochemical sensing amplifiers, actuators and ADCs for our high-resolution MEA. As an expert in microtechnology, you will also actively contribute in the refinement of current sensor packaging technologies as well as outline and prototype new generations of ASIC packaging technologies in the field of in-vitro/in-vivo electrophysiology. In addition, you will also install, monitor and optimize the in-house production and packaging of sensor devices.

Required skills

- BSc/MSc/PhD in Microtechnology and/or Microelectronics
- CMOS Analog Electronics (Schematics, Layout, Verification in Cadence)
- Prototyping (MPW) and chip testing
- Good background in signal processing
- Fluency in English and German
- Initiative, independence and ability to communicate and work effectively with other team members in a multicultural and international environment

Desirable skills

- State-of-the-art chip packaging technologies
- Background in Material Science

What we offer

- A dynamic and stimulating work environment in a young, emerging company focusing on one of the most fascinating research fields, brain technologies
- Possibility of professional growth, both technical and economical
- Flexible work hours
- Place of work Wädenswil, Switzerland

To apply send an email with CV and short motivation letter to info@3brain.com, “subject: microtechnology engineer”