



MaxWell Biosystems is an electronics-focused biotech company based in Switzerland, developing and selling advanced cell imaging platforms helping our customers in pharmaceutical industry, biotech and neuroscience to make their drug discovery and research more efficient. We are a young ETH Zurich Spin-off company, seeking highly motivated and talented individuals who will contribute in shaping our future. Work place is Zurich, Switzerland.

## Computational Neuroscientist / Algorithm Engineer (100%)

Our innovative electrophysiology platform measures vast amounts of data from neuronal tissue. Due to its high spatial-temporal resolution, our technology can record data with many unique features, such as complete network activity, single-cell action potentials and axonal signals. These unique features allow us to extract novel and more accurate biomarkers, which enable faster and more reliable drug discovery than traditional technologies.

To strengthen our R&D team and to drive and implement this challenging task, we are now seeking for a highly motivated data scientist or engineer with a background in computational neuroscience.

### Your Responsibilities

- Acquire and analyze neuronal datasets by HD-MEA technology
- Contribute to our Python toolboxes for data analysis and visualization
- Develop and validate analysis methods to extract novel features
- Phenotype drug effects and different cell lines

### Your Profile

- PhD in computational neuroscience or related (graduated after December 31<sup>st</sup>, 2015)
- Strong experience in Python and competency working in a Linux/Unix environment. Proficiency in other languages, e.g., Matlab, C++ is a plus.
- Skilled in analysis of large-scale dataset
- Enjoy solving complex problems and working in a team
- Good English language skills
- The applicant must not have resided or carried out his/her main activity for more than a total of 12 months over the last three years in Switzerland

Are you motivated, innovative and committed to delivering first-rate performance? Have you ever wanted to work with cutting-edge technology involving both engineering and biology? Do you enjoy working in an international, multidisciplinary, and interactive team? Then we might have a position for you. Join MaxWell Biosystems in innovating the future of electrophysiology for drug discovery and basic research.

David Jäckel looks forward to receiving your application documents (cover letter, resume, letter of recommendation and degrees including transcripts) by email at [hr@mxwbio.com](mailto:hr@mxwbio.com).