

Biomedical Application Engineer

Job Offer

The Company

3Brain AG is a Swiss deep tech company working on cell-electronic interfaces that link biological networks to computers via custom-made semiconductor microchips. Our mission is to empower life scientists to probe intelligent networks, accelerate biomedical discoveries for the benefit of patients, and create a future more exciting than the present. Our interdisciplinary team of scientists and engineers are constantly pushing the boundaries of engineering for life's complexities. We are ambitious, fast-growing and love to explore. The company is headquartered in Switzerland nearby Zurich, has a R&D unit in Genova, Italy, and has installed its cutting-edge products in laboratories and pharma companies worldwide.

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

Job description

3Brain is looking for a full-time Biomedical Application Engineer for its Italian office (Genova) who will work in our customer success department to support customer projects and find creative approaches to solve customer needs concerning technical questions, statistical analysis of results and cell assays. The candidate will be involved in technical support with a particular emphasis on data analysis and ICT aspects as well as in cell culture laboratory routines and experimental activities. The candidate will work at the interface between science, tech, and sales, working closely with customers, performing tests and validation on current and newcoming products, lab activities to explore new biological models and applications, and participating to R&D activities.

Main responsibilities:

- Develop an extensive knowledge of the 3Brain's products and of their applications.
- Support customer's needs regarding technical, ICT and scientific aspects.
- Collect information about customer experience and provide regular follow up to ensure customer satisfaction.
- Process experimental results, perform statistical analysis, prepare, and present reports.
- Perform experimental tests with diverse cell preparations and cell models (e.g., brain slices, cultures, spheroids, organoids) on 3Brain's measurement systems.
- Perform lab activities as for example cell culture thawing, differentiation and maintenance.
- Organization of daily research activities, managing project priorities and deadlines, identifying, and resolving instrumentation issues.
- Scientific consulting and technical support activities for our customers, partners, and distributors worldwide via e-mail, remote phone calls, or travel to customer sites.
- Provide remote and on-site training, and support to customers while performing experiments on 3Brain's system.

- Support sales activities by providing technical consulting and by organizing and performing on-site or remote system demo.
- Support HW and SW R&D team in validating and testing new prototypes with biological models.
- Attend conferences, congress, and trade shows.
- Write technical documentation as manuals, handbooks and application notes or provide scientific contents for poster presentation and papers.

Required Qualifications

- Master/PhD degree in biomedical engineering / biomedical sciences.
- Deep knowledge of ICT.
- Proficiency and hands-on experience with programming and/or scripting languages, (e.g., Python, C++).
- Experience with manipulation and analysis of high-volume biological data.
- Knowledgeable about statistical analysis tools.
- 1+ years of laboratory experience in cell culturing or related field.
- Knowledgeable about electrophysiological applications and tools commonly used in in-vitro neurobiology.
- Proficient working in a Windows environment.
- Full proficiency or mother tongue in English.
- Ability to communicate clearly and effectively to diverse audiences through both written and oral communications.
- Highly motivated self-starter and problem solver.

Additional Qualifications

- Experience with either microelectrode array (MEA), calcium imaging or patch-clamp recordings.
- Strong molecular and biochemical background.
- 1+ years of laboratory experience on cell-based assays for compound screening.

What We Offer

- A dynamic and stimulating work environment driven by a desire to build transformational technologies to help others.
- A young, fast-growing company with plenty of opportunities for personal growth and development.
- Working place: **Genova, Italy**. It is a wonderful Mediterranean city with an incredible history, located at the heart of nearby world-renowned places Cinque Terre or Milan, the fashion and business hub of Italy.



To apply send your CV and, optionally, a short motivation letter to hr@3brain.com, subject: [Biomedical Application Engineer](#).

