

JOB DESCRIPTION – Junior Mechanical Engineer

We are seeking qualified applicants for the position of Junior Mechanical Engineer. The key activity will address the design of mechanical and fluidic systems interfacing with microdevices for biological cell analysis.

The work will be carried out in Bologna and in cooperation with the University of Bologna.

FUNCTIONS

- Design mechanical interfaces and smart microsystem packaging and assembly for lab-on-a-chip devices
- Design mechanical, fluidic and pneumatic systems, interfaces with optical systems, fluid handling and fluid automation systems in collaboration with external manufacturers
- Identify providers of parts and components for system automation, external manufacturers and fast prototyping services
- Interface with external manufacturers by preparing design data and technical documentation
- Assemble and test the automation of mechanical and fluidic systems produced by external manufacturers
- Work effectively in multidisciplinary team including multi-discipline engineering, computational sciences and biology

REQUIRED QUALIFICATIONS

- Master degree in Mechanical or Mechatronic Engineering
- Hands-on experience on 2D/3D CAD tools is essential
- Good-to-excellent knowledge of English language (written and spoken) is essential
- Good verbal and written communication skills are highly desirable

PREFERRED SKILLS

- Experience with SolidWorks or equivalent CAD tools is highly preferred
- Passion for prototyping and practical use of tools are preferred skills
- Hands-on experience on fast prototyping tools, additive manufacturing and/or 3D printing is a plus
- Knowledge of FEM/CFD simulation is a plus
- Experience on fluidics and microfluidics is a plus
- Experience or demonstrable ability to work in multi-disciplinary teams is preferred
- Ability to work in a fast-paced environment is an important skill

Please submit your résumé/CV and a brief cover letter to jobs@cellply.com using the JOB ID 1402 as a reference in the e-mail subject. Your résumé/CV needs to include the authorization to handle your personal data pursuant to the Italian Personal Data Protection Code (D.Lgs no. 196/2003). Cellply is an equal opportunity employer.

ABOUT CELLPLY

Cellply is a biotechnology company committed to the development of solutions for personalized cancer therapy based on diagnostic platforms that define cell response to drug treatments. The micro-technologies developed at Cellply enable ex-vivo measurement of the response of each cell in the sample to diverse drug treatments while maintaining tumor microenvironment characteristics. The technology supports the automation of biological protocols and allows the integration of sample preparation and functional analysis procedures. Cellply is an innovative start-up company based in Bologna, Italy and funded by private and institutional investors.