

The internship project consists in developing smart microfabrication strategies for the realization of thermoplastic microfluidics chips. Several stages are required to convert the raw polymer into a microfluidic device, from the design of the device to its final assembling/bonding. The candidate will design and execute the entire chip manufacturing and testing chain, potentially contributing to the development of a new solution for the hot embossing kit developed by EdenTech (Sublyme<sup>100</sup>). The candidate will work closely with the Head of Engineering and the Head of Sales.

The successful candidate has some experience in microfabrication and in a hands-on laboratory setting, shows interest in microfluidics, should be creative and able to work independently. The candidate can work and communicate well with multidisciplinary teams of scientists and engineers.

#### Requirements:

- Be an engineering student or in the 2nd year of a master's degree from a material science course or other similar curriculum.
- Experience in microfabrication (i.e., hot-embossing, soft lithography).
- Proficiency with CAD and drafting tools (SolidWorks or equivalent)
- Experience in laboratory microfluidic setup construction and device testing is desirable.
- Proficiency at writing technical documents.
- Strong analytical and organizational skills with a proactive attitude.
- Excellent inter-personal and communication skills.