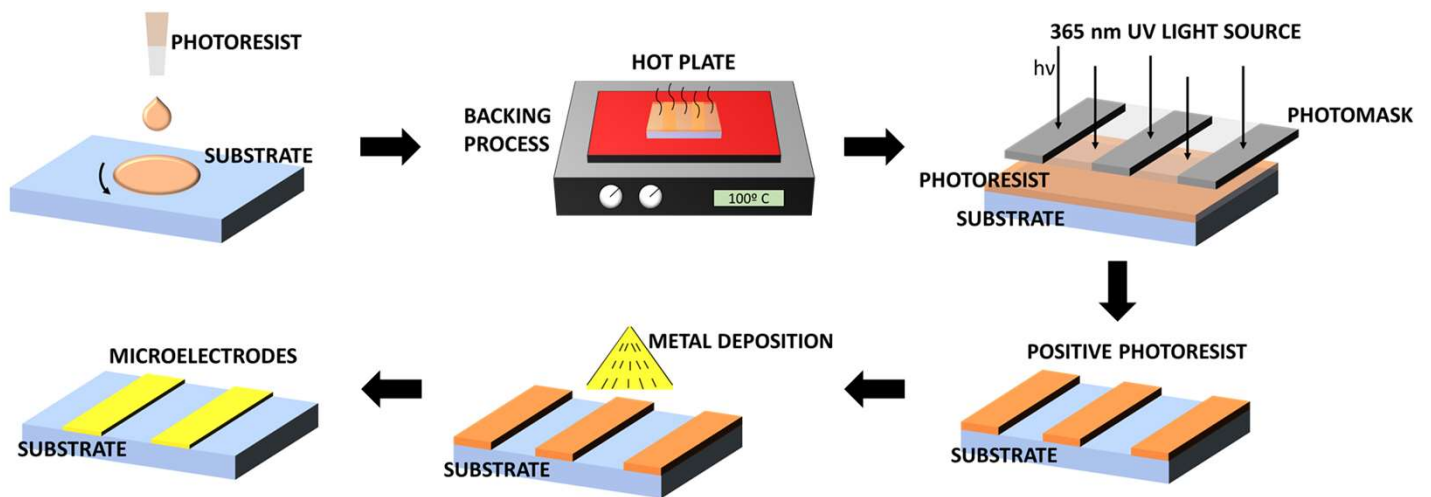


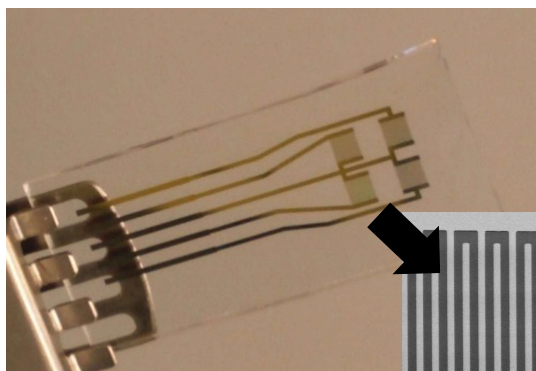
Microelectrodes

In the MicroFabSpace we have the necessary tools to fabricate microelectronic devices needed in bioengineering projects.

Our clean room environment allows the fabrication of microelectrodes of several materials (Cr, Ti, Au, ITO, Cu, etc.) on different surfaces (SiO₂, glass, polymers, etc.). Multiple lithographic techniques are available to process your designs, which include UV lithography, laser lithography, e-beam lithography, evaporation, sputtering, wet etching, etc.



The typical lithographic process includes: the spin coating of the photoresist on the working substrate, a resist baking process to evaporate residual solvent traces, a UV exposure through a photomask to define the pattern on the substrate, and the deposition of the metals that will conform the final microelectrodes, after lift-off process.



Interdigitated gold electrodes on glass, 5µm wide separated 5µm.

