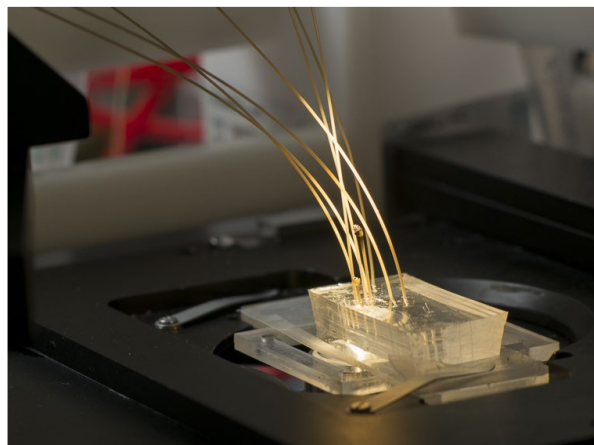


Microfluidics is the science of handling fluids on a micrometric scale. There are many industrial applications: medicine, energy, green chemistry, cosmetics, food industry...



Microfluidics enable manipulation of small volume of fluids using new technologies for application in industry

IPGG Carnot sets six challenges:

- analysis of molecules,
- single cells,
- multicellular organisms,
- materials and nanofluidics.

IPGG aim is to leverage the industry's competitiveness.

IPGG Associated Carnot ambition is to bring "microfluidic innovation" to the service of industry

IPGG Associated Carnot brings together complementary expertise (physicists, biologists, chemists, technologists) to develop research around transdisciplinary thematic. These talents and expertise allow us to offer a wide range of scientific skills.

Targeted markets

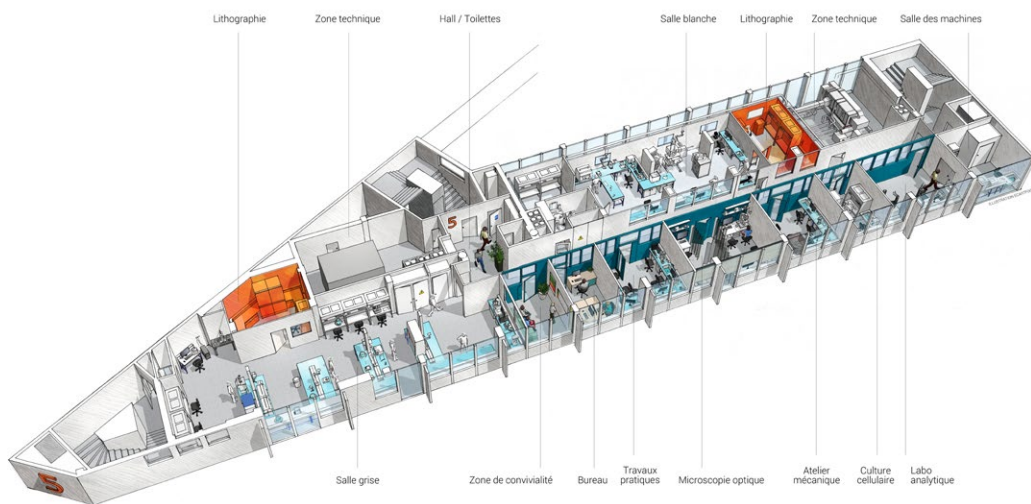
- Cosmetics
- Oil industry
- Pharmaceutical industry
- Low cost diagnosis





Handling at a micrometric scale makes it possible to work faster, cheaper, in a cleaner and safer environment

→ The IPGG technology platform has been designed to enable users to realize a microfluidic chip from design to manufacture and characterization in the least time possible. The unique know-how of IPGG engineers allows users to combine several microfabrication technologies to meet their expectations.



Research staff
(full-time equivalent): **176**
including PhD students: **68**

Partnership income
with industry: **3,1 M€**
Global budget: **13,6 M€**

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