

Microfluidic instruments & flow control for biology

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Who we are & core expertise

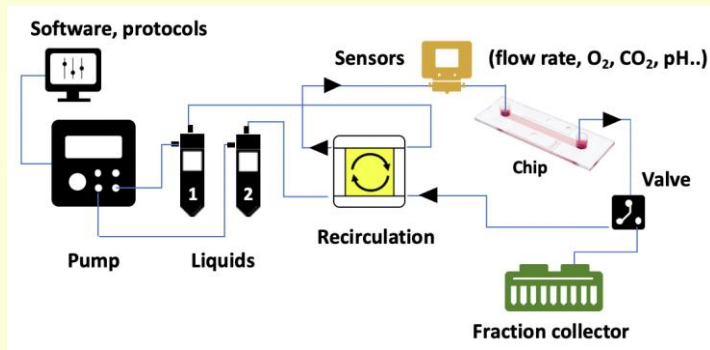
France SME



- Founded in 2024 as spin-off company from Elvsys
- Microfluidic instruments, flow control setups, user-friendly platforms

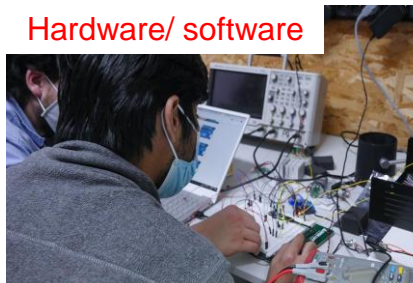
MICROFLUIDIC SYSTEM DESIGN EXPERTS

User needs...



...translated into
microfluidic systems

Hardware/ software



Microfabrication



Cell biology lab



Tech skillset

- Electronics
- Mechanics
- Pneumatics
- Software & Firmware
- Simulations
- Fluidics

Call areas of interest for us

- **EIC Pathfinder Open** [May 21st 2025; 2026]
- **EIC Pathfinder Challenges** [Oct 29th 2025; 2026]

Cluster 1: Health

Cluster 4: Digital, Industry and Space

Cluster 5: Climate, Energy and Mobility

Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

- Marie Skłodowska-Curie Actions (MSCA)
- Any projects where you need microfluidic expertise (flow control solutions)



Draft call calendar 2025

We are looking for:



Consortia to join as a partner (any stage)

- Where fluid control instruments, modules and platforms are of value



Partners to join our consortia (MIC coordinates tech-based proposals; EIC, RI)

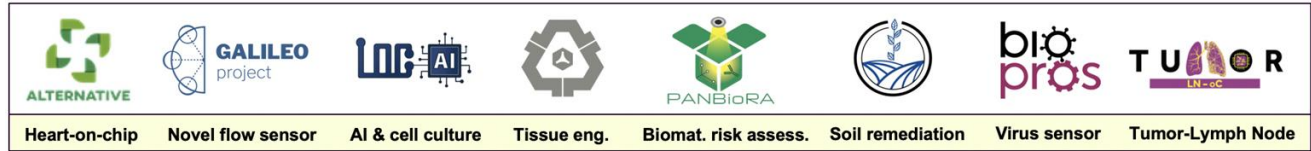
- Biology (e.g. 2D, 3D cell models for use-case and validation; neurobiology, aging, ..)
- Droplets (e.g. encapsulation, -omics, emulsions, ..)
- Biomaterials & fabrication (3D bioprinting, membranes, perfusion scaffolds, ..)
- Clinical (e.g. pre-clinical trial workflows, use-case demos, input on clinical needs, ..)
- Digital, simulation, ML
- Social sciences, DICO, impact (legal, ethical, regulatory aspects of non-animal models, ..)



Impact!

Previous scientific and technology expertise

- >35 EU projects since 2018, 11 ongoing (coordinating 1)
- H2020, Horizon Europe, EIC, ITN doctoral networks, RISE staff exchange, bilateral calls..



LIFESAVER

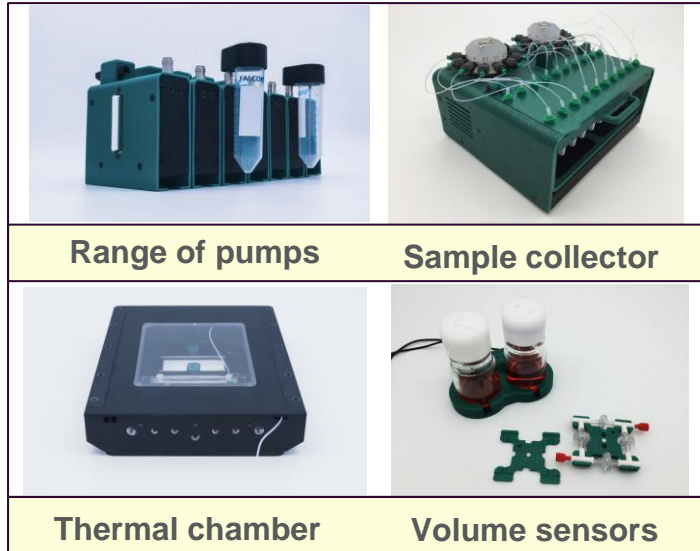


- 14 partners
- Aim: Placenta-on-chip (in vitro and bio-digital twin) to test chemical transport to fetus
- Understand placental biologist's needs
- Translate their needs into a microfluidic protocol
- Design, build and test microfluidic platform
- Install platform in partner lab, aid in use
- Patent our tech, active DICO and exploitation

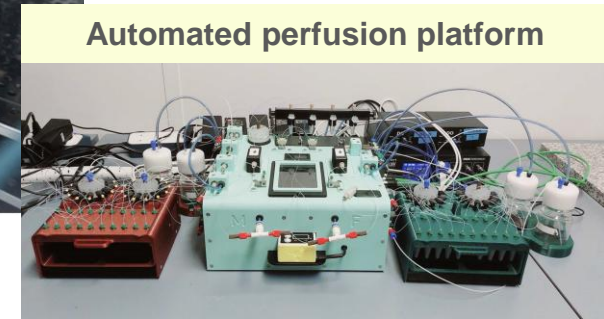
- ✓ **Polyvalent team – we can understand all our partners:** researchers, engineers, metrology, policy, entrepreneurs..
- ✓ **Innovations linked to market need:** broad network, market contact activities, SEO
- ✓ **Our goal is technology transfer:** IP, freedom to innovate, 10 past spin-offs

Our added value:

- A focus on real needs: Tech solutions, guides, applications notes, webinars
- Our stakeholder network: project partners, Microfluidics Association, CEN/CENELEC standards WGs, metrology institutes, ..



4 channels
Incubator-friendly



2 recirculation loops
Dissolved oxygen control
Automated sample collection
Reagent injection