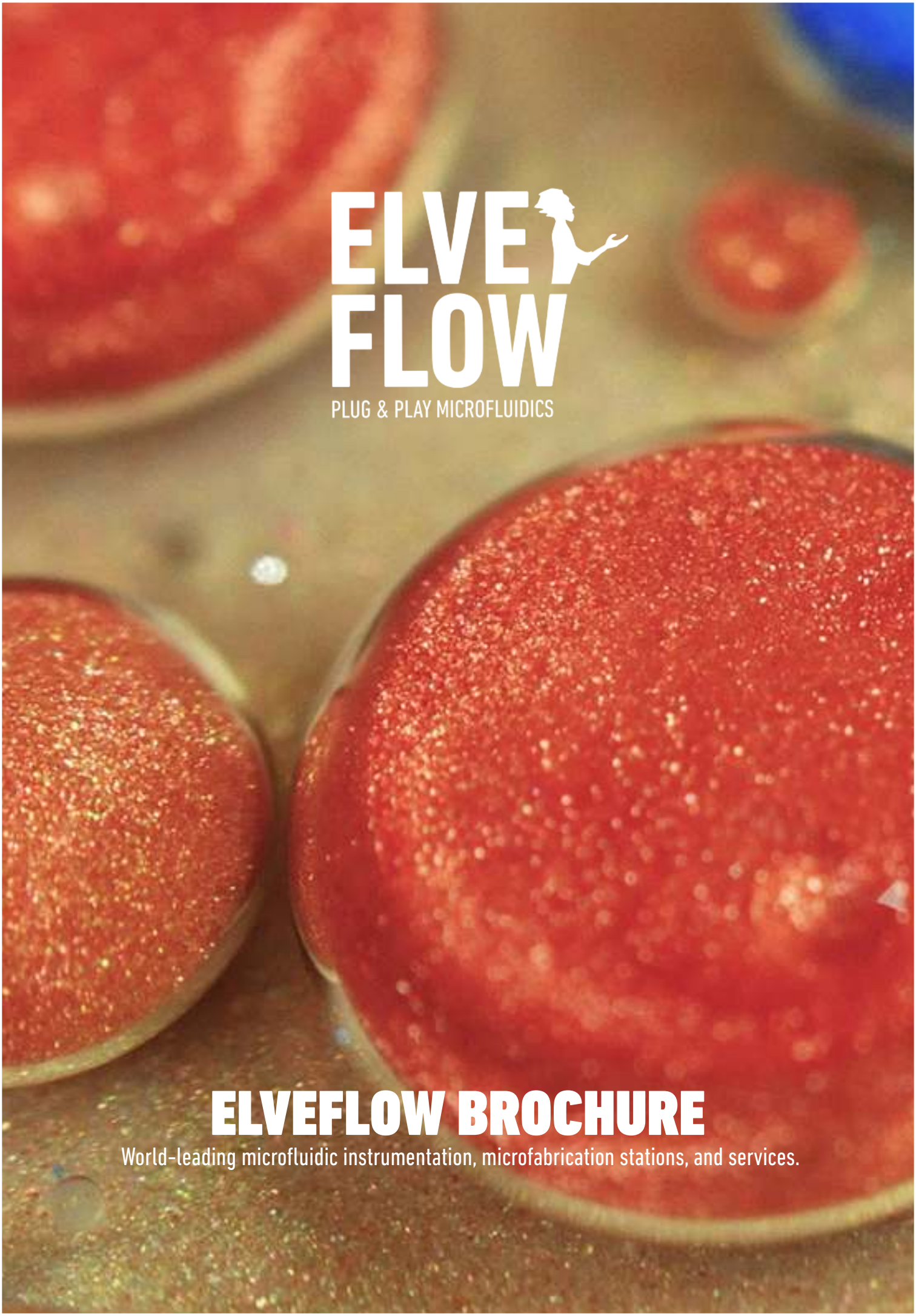


ELVEFLOW BROCHURE

World-leading microfluidic instrumentation, microfabrication stations, and services.

CONTENTS

INTRODUCTION

Elveflow: cutting-edge microfluidic instruments

We designed the most performant and reliable microfluidic product line: Elveflow. Our fluid handling controllers are based on the most precise, stable and responsive Piezo technologies. We built-up a comprehensive line with rotary or injection valves, sensors (flow rate, pressure...) and readers as well as all necessary accessories.

Most importantly, our engineers are a key asset of this Elveflow line as they will design the best set of equipment from our catalogue to perfectly fit our application. Whether you aim at handling liquids in more or less complex situations, apply perfusion to biology, generate droplets or nano-particles...we have the expertise and solution.

Our vision

Microfluidic technologies and applications are a building block of biotechnologies.

Today, biotechnologies have rightfully become essential to our development as a society, and our state-of-the-art range of microfluidic instruments is already playing a part in shaping our world's future.

Our mission

We are enabling microfluidic dissemination everywhere using all possible manners.

As we believe that microfluidics is a backbone of the ongoing biotech revolution, we aim at making it accessible to every scientific or engineering team. This is our contribution to shaping a better world.

STORY

2011
The Elvesys company is founded

2014
Success of the Elveflow range
First equipment sales to reach 1M€
Launch of the first Elvesys Spinoff (B4CURE)

2015
Elvesys launches the Innovation Unit, a team meant to participate in European projects and bring the Elvesys microfluidic expertise to European researchers

2016-2017
Participation to 10+ European funded research projects

2018-2019
Elvesys moves to a new office as the company grows quickly

2022
Microfluidics maturity
Elvesys is part of 30+ European projects. Turnover of 7M€, exceeding targets

2023
Product line expansion: new microfabrication offering
Reintegration of the startup Black Hole Lab

2024
Investors come on board to support growth
Independence of the innovation unit, now MIC: Microfluidic Innovation Unit

PRODUCTS

ESSENTIAL RANGE

A microfluidic product line oriented towards performance and ease of use.

Fluid control systems

Pressure & Vacuum Controller : OB1

Push and pull up to 4 channels. Affordable controller, fitting all budgets, with unparalleled performances.

Distribution & Recirculation Valve

Perform complex sequential injection of several liquids easily using our distribution rotary valve.
Recirculate your liquid in a single flow direction for long experiments using our recirculation rotary valve.

Valves & Valve Controller

Control up to 8 microfluidic valves independently or simultaneously. Several valve solutions are also available.

Measurement & detection

Microfluidic Sensor Reader

Read from 1 to 4 different sensors with a wide compatible range of analog and digital sensors.

Flow Sensors & Pressure Sensors

Measure the flow rate (0 to 500 mL/min) and pressure (0 to 16 bar) in your microfluidic system to control in real time and with the best precision.

Bubble Detector

Detect bubbles and liquid interface, set bubble-triggered software routines, etc. More sensor solutions are also available, visit our website to learn more about it.

ACCESSORIES

Reservoirs, Manifold, Bubble Remover, Tubing, Reservoir holders ...
We provide all the accessories so you don't miss anything and can successfully complete all your challenges.

SOFTWARE

Powerful control and automation software.
You can use our own ESI software to easily control our equipment or use our SDK (Software Development Kit) available in Python, C++, Matlab, LabVIEW. Both are available for free on our website.
Serial communication protocols are also available upon request.

MICROFABRICATION

Different solutions to perfectly fit your needs, without any clean room requirement.

Mold fabrication stations
Get fitted solutions according to the resolution, the material, the application to fabricate molds based on your own design. Produce custom microfluidic molds quickly and efficiently.
Chip replication stations
Everything you need to replicate your mold and get your own device, using polymer such as PDMS or other materials. Control chip production so that you always have enough chips in time for your experiments.

SERVICES

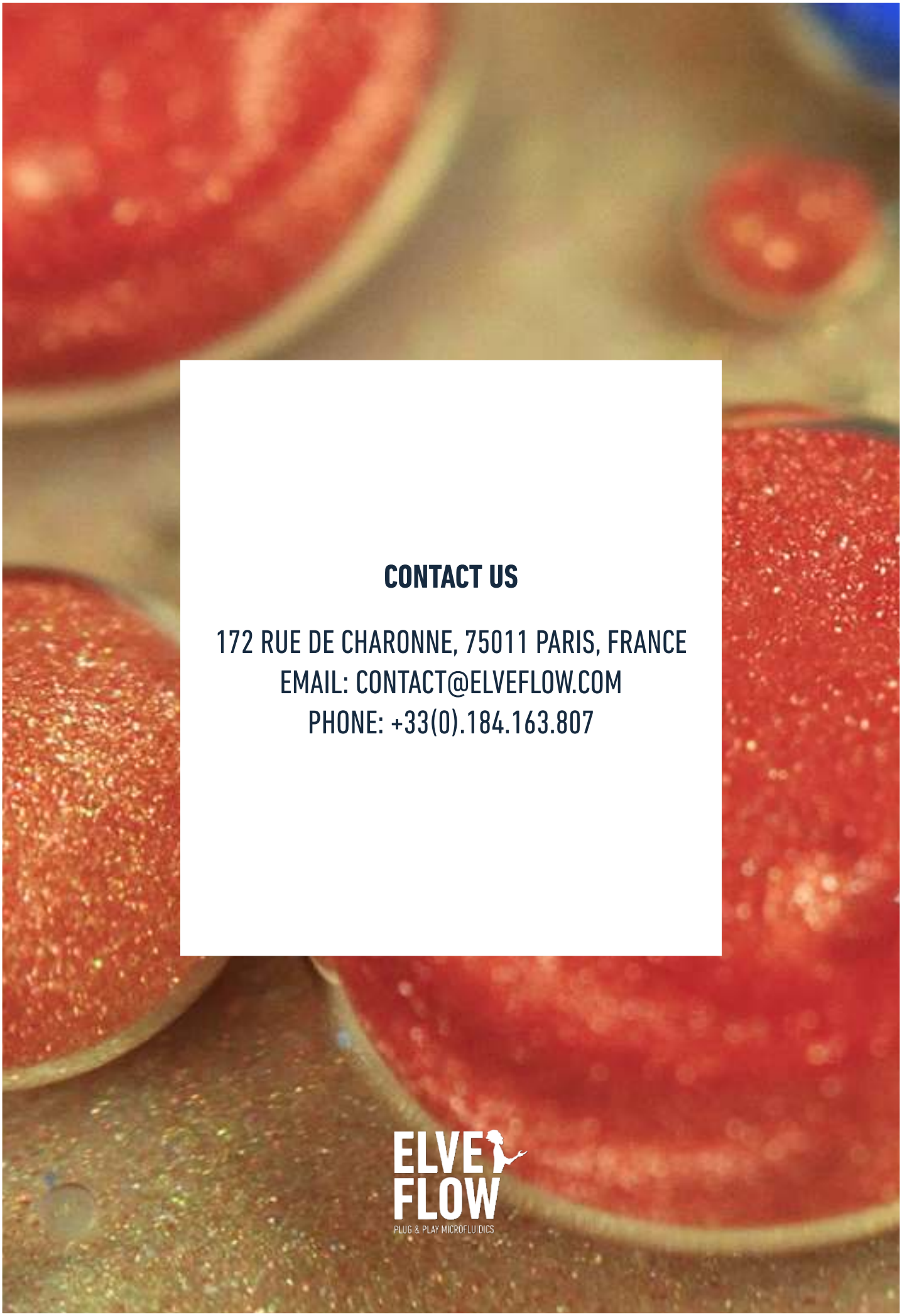
Trust Elveflow to be your reliable partner in microfluidics.

Training program and consulting
Our expert trainers will guide you through installation, usage, and troubleshooting, ensuring you have the knowledge to achieve the best results from our equipment.
Instrument Upgrade
We offer instrument upgrade services to ensure your equipment stays at the cutting edge of performance.
Rental
Whether you're working on a temporary research project or testing new setups, renting allows you to use our state-of-the-art equipment without long-term investment.

THEY TRUST US

I have extensively used Elveflow systems in the world's most brilliant X-ray source. Elveflow systems are precise, controlled and adaptive to many samples under adverse conditions.
Pushparani Micheal Raj PhD, Max Planck Institute of Quantum Optics, MAX IV Laboratory

After an easy installation, we are now using the OB1 and flow sensors routinely and are very satisfied by both the flow stability and the software user-friendly interface.
Nelson BC Serre & Matyáš Fendrych, Cell Growth Lab, Department of Experimental Plant Biology, Charles University, Czech Republic



CONTACT US

172 RUE DE CHARONNE, 75011 PARIS, FRANCE
EMAIL: CONTACT@ELVEFLOW.COM
PHONE: +33(0).184.163.807

ELVE FLOW
PLUG & PLAY MICROFLUIDICS