Coordonnées

raphael.tomasi@outlook.fr

www.linkedin.com/in/raphaël-tomasi (LinkedIn)

Principales compétences

Microfluidics

Fluorescence Microscopy

Droplet microfluidics

Languages

Français

Anglais

Honors-Awards

PhD prize

Publications

Individual Control and Quantification of 3D Spheroids in a High-Density Microfluidic Droplet Array

Multiscale cytometry and regulation of 3D cell cultures on a chip

Mapping the structure and biological functions within mesenchymal bodies using microfluidics

Chemical communication between liposomes encapsulating a chemical oscillatory reaction

Raphaël Tomasi

co-founder & CTO at Okomera | Hiring ! | Microfluidics for precision cancer medicine

Paris, Île-de-France, France

Résumé

As the co-founder and CTO of Okomera, I am passionate about developing and applying microfluidic technologies for precision cancer medicine. With more than 10 years of experience in microfluidics research and innovation, I have co-authored several publications in prestigious journals and filed several patents.

At Okomera, I lead the technological development of our automated droplet microfluidics platform, which enables 3D cell culture and testing of patient cancer cells in droplets. Our platform aims to provide personalized and data-driven solutions for cancer diagnosis and treatment. We are hiring talented and motivated people to join our team.

Expérience

Okomera

co-founder & CTO

juillet 2020 - Present (5 ans 8 mois)

Paris, Île-de-France, France

Developing automated droplet microfluidics technologies for precision cancer care. 3D cell culture and testing of patient cancer cells in droplets.

Berkeley SkyDeck

Start-up acceleration

novembre 2022 - avril 2023 (6 mois)

Berkeley, California, United States

Batch 15

WILCO

Start-up acceleration

mai 2020 - avril 2023 (3 ans)

Massy, Ile-de-France, France

Promotion 2020

Institut Pasteur

Postdoctoral Researcher
décembre 2017 - juin 2020 (2 ans 7 mois)
Paris Area, France

École Polytechnique

6 ans 10 mois

Postdoctoral Researcher
janvier 2017 - juin 2020 (3 ans 6 mois)
Paris Area, France

Development and validation of droplet microfluidic techniques for 3D cell culture, stimulation and high-throughput multiscale cytometry.

PHD Student
septembre 2013 - décembre 2016 (3 ans 4 mois)
Palaiseau

Laboratoire d'Hydrodynamique de l'Ecole Polytechnique (LadHyX)

Multiscale cytometry of 3D cell cultures in microfluidic hydrogel droplet arrays
Supervisor: Charles Baroud

Droplet microfluidics - 3D cell culture - Fluorescence microscopy - Image Analysis (Matlab)

Deeptech Founders

Entreprenarial studies
octobre 2018 - janvier 2019 (4 mois)
Paris, Ile-de-France, France

1st cohort

École Polytechnique

Master Intern
février 2013 - juillet 2013 (6 mois)
Palaiseau

Laboratoire d'Hydrodynamique de lÉcole polytechnique (LadHyX)

Cellular colonies in microfluidic gel beads
Supervisor: Charles Baroud

Université Pierre et Marie Curie

Research Intern

mai 2012 - juillet 2012 (3 mois)
UPMC - ESPCI, Paris

Electrochemistry laboratory (ESPCI) and PECSA laboratory (UMPC)
Electrochemical and microfluidic study of an oscillatory chemical réaction in giant vesicles
Supervisors: Frédéric Kanoufi & Ali Abou-Hassan

Electrochemistry - Double emusification

Philips
Research Intern
juillet 2011 - décembre 2011 (6 mois)

Microfluidic capture of circulating tumor cells (CTCs) using dielectrophoresis
Supervisor: Christian Reccius

Cell culture - Flow cytometry - Dielectrophoresis

ESPCI
Research Intern
juillet 2010 - juillet 2010 (1 mois)
Paris

Neurobiology laboratory
Study of the neurovascular coupling in rat brains
Supervisor: Armelle Rancillac

Experimental study - Image analysis

Formation

Université Paris-Saclay
Doctor of Philosophy - PhD · (2013 - 2016)

Ecole supérieure de Physique et de Chimie industrielles de la Ville de Paris
Master 2 (M2), Microfluidique · (2012 - 2013)

Ecole supérieure de Physique et de Chimie industrielles de la Ville de Paris
Engineer's degree, Physico-chemistry, Biology · (2009 - 2013)

Lycée Pierre de Fermat - Toulouse

Classe préparatoire aux grandes écoles PC-PC* · (2007 - 2009)

Lycée Polyvalent Rive Gauche - Toulouse

Baccalauréat scientifique · (2004 - 2007)