

Innovative multiplex Hepatitis B point of care

MagIA-Diagnostics was founded in Grenoble in July 2017 after a period of incubation at Linksum. Founders Paul Kauffmann (Phelma engineer / physicist), Guillaume Blaire (UGA physicist), Sarah Delshadi (UGA biologist), Cedric Bruix (ESSEC, finances),

and Mario Fratzl (Phelma/Darmstadt, mechatronics engineer) collaborate with senior scientific advisors Franz Bruckert (LMGP/Phelma, biochemistry), Orphée Cugat (G2Elab/CNRS, magnetic MEMS), Patrice Marche (IAB/INSERM, immunologist) and Nora Dempsey (Néel/CNRS, magnetic materials).

This start-up develops a lab-on-chip and associated optical reader and aims at revolutionizing immunodiagnostics: the simple and robust portable device exploits proprietary, patented micro-magnetic technology to detect antibodies signaling the presence of a viral infection, in less than 15 minutes and with a single drop of blood from a finger-prick. «We managed to simplify dramatically the many steps of biological tests into a one-step process, while preserving established biochemical reagents and protocols». MagIA expects CE marking by 2020, and is currently focusing on Hepatitis B screening.

https://www.challenges.fr/start-up/magia-diagnostic-un-nouveau-dispositif-d-analyses-biologiques_575658

