## Katia Hormigos

**Katia HORMIGOS**

katia.hormigos@parisdescartes.fr

37 years old

French citizenship

## PROFESSIONAL SKILLS/ PROJECTS

### Technics

dPCR (Raindance Technologies), molecular biology (qPCR, Nested PCR, PCR, sequencing, fragment analysis, gel electrophoresis), DNA extraction (blood, buffy coat, saliva, sperm, tissue, bone, cell pellet), immune and cytological staining, cytomorphological analysis of CTC, cellular culture (single cell micromanipulation and spiking), fluorescence microscopy

### Computer skills

MS office, Open office, tools for scientific litterature review.

### Others

Management and realization of scientific project- Supervising staff- Creating of operating method- Management of stocks and orders.

### LANGUAGES

French (native tongue), English (technical)

## EXPERIENCES

**Since 2018/07    Engineer – Inserm UMR S1147.** Study of cancer markers in blood, by picoliter droplet-based digital PCR (Raindance Technologies). eDIAG-plateform

**2011/05- 2018/02   Engineer – Rarecells Diagnostics**. Study of circulating tumor cells in blood by ISET (Isolation by SizE of Tumor cells) by molecular and immunostaining analysis. Production, Quality control and immunostaining responsible

**2009/10 – 2011/05  Senior Technician –** INTS ( Unité d'Expertise et d'Identification des produits biologiques humains). Realization and interpretation of molecular analysis within forensic expertise (forensic medicine)

**2007/03 – 2008/12  Assistant Engineer – Institut de génétique et de microbiologie (IGM) Orsay**. Epidemiology of P.aeruginosa and S.aureus infections by MLVA (Multi Locus VNTR Analysis)

## EDUCATION

**2005-2006**     Master 2 Degree in biology – Paris 13 university Bobigny

**2004/2005**     Master 1 in biology "Sciences et Santé" – Paris 13 university Bobigny

**2003/2004**     Bachelor in biology "Biology cellular and physiology"" – Paris 13 university Bobigny

## EXTRACURRICULAR ACTIVITIES

Reading (thriller, detective novel), sport, creative hobbies

## PUBLICATIONS

**Technical Insights into Highly Sensitive Isolation and Molecular Characterization of Fixed and Live Circulating Tumor Cells for Early Detection of Tumor Invasion.** Laget S, Broncy L*, Hormigos K*, Dhingra DM, BenMohamed F, Capiod T, Osteras M, Farinelli L, Jackson S, Paterlini-Bréchot P. (*These authors contributed equally to this work). PLoS One. 2017 Jan 6;12(1):e0169427. doi: 10.1371/journal.pone.0169427. eCollection 2017. PMID: 28060956

**Improved multiple-locus variable-number tandem-repeat assay for Staphylococcus aureus genotyping, providing a highly informative technique together with strong phylogenetic value.** Pourcel C, Hormigos K, Onteniente L, Sakwinska O, Deurenberg RH, Vergnaud G. J Clin Microbiol. 2009 Oct;47(10):3121-8. doi: 10.1128/JCM.00267-09. Epub 2009 Aug 26. PMID: 19710277

**A new highly discriminatory multiplex capillary-based MLVA assay as a tool for the epidemiological survey of Pseudomonas aeruginosa in cystic fibrosis patients.** Sobral D, Mariani-Kurkdjian P, Bingen E, Vu-Thien H, Hormigos K, Lebeau B, Loisy-Hamon F, Munck A, Vergnaud G, Pourcel C. Eur J Clin Microbiol Infect Dis. 2012 Sep;31(9):2247-56. doi: 10.1007/s10096-012-1562-5. Epub 2012 Feb 11.

- **Multiple-locus variable-number tandem-repeat analysis for longitudinal survey of sources of Pseudomonas aeruginosa infection in cystic fibrosis patients.**

Vu-Thien H, Corbineau G, Hormigos K, Fauroux B, Corvol H, Clément A, Vergnaud G, Pourcel C.

J Clin Microbiol. 2007 Oct;45(10):3175-83. Epub 2007 Aug 15. PMID: 17699654

**- Longitudinal survey of Staphylococcus aureus in cystic fibrosis patients using a multiple-locus variable-number of tandem-repeats analysis method.**

Vu-Thien H, Hormigos K, Corbineau G, Fauroux B, Corvol H, Moissenet D, Vergnaud G, Pourcel C.