

## Kariman Chaba

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#### Engineer / Research Assistant

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## Curriculum Vitae

### PROFESSIONAL EXPERIENCE

**Since July 2019 : Research Assistant**, TRAM's group, UMR-S1147 - MEPPOT - Personalized Medicine, Pharmacogenomics and therapeutic optimization, Paris

Validation of new cancer's biomarkers : qRT-PCR, digital PCR,

Realization of molecular biology experiments (including quantitative PCR, digital PCR, immunohistochemistry)

**2018- June 2019 : Research Engineer in medical bio-analyzes**, Immune Landscape Laboratory (ILL), PDO- Centre de Thérapies Expérimentales, CHUV, Lausanne

In charge of immunohistochemistry staining : Development and Optimisation of multiplex fluorescents staining (6 or 7 plex) with Discovery Ultra (Ventana)

Analysis of the staining with the Inform software (Perkin Elmer)

In charge of writing the Standard Operating Procedures of the platform

In charge of Discovery Ultra (Ventana): users training

**2012-2017 : Research Assistant**, INSERM U1138, Cordeliers Research Center, Paris

In charge of immunohistochemistry staining : manual staining and with Discovery Ultra (development of several chromogenics and fluorescents stainings) and Benchmark Ultra Ventana (development of double staining)

Coordinator of histology projects in collaboration with Gustave Roussy Institute

In charge of BD Pathway and FlexMap3D : user training, design and execution of experiments, maintenance of equipment, in charge of relations with technical engineers Becton Dickinson, Perkin Elmer and Luminex

**2010-2011 : Research Assistant (Ingénieur d'étude)**, Unité INSERM U1015, Institut Gustave Roussy, Villejuif

In charge of Molecular Biology, users training for Western Blot, RNA and DNA extraction, qRT-PCR and genotyping

In charge of StepOne Plus maintenance and reagent ordering

In charge of immunohistochemistry staining

**2009 - 2010 : Laboratory technician**, INSERM U981, Gustave Roussy Institute, Villejuif

Validation of candidate genes in prostate cancer treatment by Western Blot and qRT-PCR

### SKILLS

Histologicals and Cellular techniques : immunohistochemistry staining : manual and using automate, Immunofluorescence, image acquisition and digital slides with Olympus VS120 and Axioscan z1, Vectra, images analysis with the Inform software

Cell biology, molecular biology and microbiology : Cell culture, DNA and RNA extraction, qRT-PCR, genotyping, Western Blot, FlexMap3D, extraction and amplification of plasmids  
Others: Pack Office, Photoshop, scientific and technology watch, bibliographic review, drafting technical protocols, oral presentations; management of reagents and laboratory equipment.  
Language : French, English (Basic)

## EDUCATION

2009: Bachelor of Sciences, specialization in Biotechnology, Molecular and Cellular Biology – Paris Sud University  
2003-2007: 1st and 2nd year of Pharmacy- Paris Sud University

## PUBLICATIONS

18F-FDG PET metabolic-to-morphological volume ratio predicts PD-L1 tumour expression and response to PD-1 blockade in non-small-cell lung cancer. Jreige M, Letovanec I, Chaba K. et al, Eur J Nucl Med Mol Imaging. doi: 10.1007/s00259-019-04348-x, 2019

Immune effectors responsible for the elimination of hyperploid cancer cells. Aranda F, Chaba K. et al, Oncoimmunology. doi: 10.1080/2162402X.2018.1463947, 2018

NKp30 isoforms and NKp30 ligands are predictive biomarkers of response to imatinib mesylate in metastatic GIST patients. Rusakiewicz, [...], Chaba et al, Oncoimmunology. doi: 10.1080/2162402X.2015.1137418, 2016

The ratio of CD8+/FOXP3 T lymphocytes infiltrating breast tissues predicts the relapse of ductal carcinoma in situ. Semeraro M, [...], Chaba et al, Oncoimmunology. 2016 Aug 18;5(10):e1218106, 2016

Biomarkers of immunogenic stress in metastases from melanoma patients: Correlations with the immune infiltrate. Ladoire S, [...], Chaba et al, Oncoimmunology. doi: 10.1080/2162402X.2016.1160193, 2016

The presence of LC3B puncta and HMGB1 expression in malignant cells correlate with the immune infiltrate in breast cancer. Ladoire S, [...], Chaba et al, Autophagy, doi: 10.1080/15548627.2016.1154244, 2016

Chemotherapy-induced antitumor immunity requires formyl peptide receptor 1. Vacchelli E, [...], Chaba et al, Science, DOI:10.1126/science.aad0779, 2015

Morphometric analysis of immunoselection against hyperploid cancer cells. Bloy N, [...], Chaba et al, Oncotarget, doi: 10.18632/oncotarget.5400, 2015

Combined evaluation of LC3B puncta and HMGB1 expression predicts residual risk of relapse after adjuvant chemotherapy in breast cancer. Ladoire S, [...], Chaba et al, Autophagy, 11(10):1878-90, 2015

Negative prognostic impact of regulatory T cell infiltration in surgically resected esophageal cancer post-radiochemotherapy. Vacchelli E, [...], Chaba et al, Oncotarget, PMID:26369701, 2015

Unsaturated fatty acids induce non-canonical autophagy. Niso-Santano M, [...], Chaba et al, EMBO J, DOI 10.15252/embj.201489363, 2015

Cancer cell-autonomous contribution of type I interferon signaling to the efficacy of chemotherapy. Sistigu, [...], Chaba et al, Nat Med, 20(11):1301-9, 2014

Immune-dependent antineoplastic effects of cisplatin plus pyridoxine in non-small-cell lung cancer. Aranda, [...], Chaba et al,

Oncogene, DOI 10.1038/onc.2014.234, 2014

Coffee induces autophagy in vivo. Pietrocola, [...], Chaba et al, Cell Cycle, 15;13(12):1987-94, 2014

Regulation of CD4(+)NKG2D(+) Th1 cells in patients with metastatic melanoma treated with sorafenib: role of IL-15R and NKG2D triggering. Romero, [...], Chaba et al, Cancer Res, 74(1):68-80, 2014

Antiapoptotic activity of argon and xenon. Spaggiari, [...], Chaba et al, Cell Cycle, 12(16):2636-42, 2013

NCR3/NKp30 contributes to pathogenesis in primary Sjogren's syndrome. Rusakiewicz, [...], Chaba et al, Sci Transl Med, 5(195):195ra96, 2013

Immune infiltrates are prognostic factors in localized gastrointestinal stromal tumors. Rusakiewicz, [...], Chaba et al, Cancer Res, 73(12):3499-510, 2013

Prognostic impact of vitamin B6 metabolism in lung cancer. Galluzzi, [...], Chaba et al. Cell Rep, 2(2):257-69, 2012

Immunohistochemical detection of cytoplasmic LC3 puncta in human cancer specimens. Ladoire\*, Chaba\* et al. Autophagy, 8(8):1175-84, 2012 (\*co-first authors).

Alternatively spliced NKp30 isoforms affect the prognosis of gastrointestinal stromal tumors. Delahaye, [...], Chaba et al. Nat Med, 17(6):700-7, 2011.