

# Maryam Karimi

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## Positions

- Jun 2019 - Present** - Oncostat team U1018 CESP, Inserm, University Paris-Saclay, Villejuif, France  
*Biostatistician*
- Jun 2019 - Present** - Department of Biostatistics and Epidemiology, Gustave Roussy, Villejuif, France  
*Biostatistician*
- Sep 2016 - Apr 2019** - Imperial College London, UK  
*Research Associate in Biostatistics and Computational Epidemiology*
- Sep 2016 - Apr 2019** - Imperial College London, UK  
*Teaching Assistant, Masters' courses and Exposome Short Courses Series*
- Oct 2012 - Jun 2016** - Inserm-CépiDc, Le Kremlin-Bicêtre, France  
*Ph.D. Student*
- Feb 2014 - Jan 2015** - Pierre and Marie Curie University, Sorbonne Université, Paris, France  
*Teaching Assistant, (R programming)*
- Feb 2013 - Jun 2013** - Conservatoire national des arts et métiers, Paris, France  
*Teaching Assistant, 3rd year of Undergraduate, STA109 - Biostatistics*
- Apr 2012 - Sept 2012** - Inserm-CépiDc, Le Kremlin-Bicêtre, France  
*Master's internship*

## Qualifications

- 2012-2016** Ph.D. in Biostatistics - University of Paris-Saclay, Paris, France  
*Title: Joint modelling of individual socio-professional trajectory and overall or cause-specific survival*
- 2009-2012** Master's Degree - Pierre and Marie Curie University, Sorbonne Université, Paris, France  
M.S. (M2) in Statistics  
*- Dissertation title: Socio-professional trajectory - Description and association with mortality*

## Evidence of esteem

- Member of the scientific animation group (in charge of organizing scientific seminars for CESP)
- Web correspondent of Oncostat Team
- Reviewing scientific projects for PHRC-K of Institut National Du Cancer (INCA), National Science Center Poland, Swiss Cancer Research
- Reviewing scientific articles for Statistics in Medicine, Journal of Epidemiology and Community Health, British Medical Journal Open, International Journal of Cancer

## Skills

- OMICs data: SNPs, DNA Methylation, Metabolomics, Transcriptomics, Proteins
- Database: EPIC, NFBC, Understanding Society, NHANES, Airwave, UKbiobank, DADS
- Softwares : R, SAS, MatLab, Mathematica, LaTeX
- Programming : C++, C, Java
- Languages : Persian (bilingual), French (bilingual), English (bilingual)

## Detailed list of publications and communications

### Publications

1. Mogenet, A., Barlesi, F., Besse, B., Michiels, S., **Karimi, M.**, *et al.* "Profil moléculaire des patients atteints de cancer bronchique compliqué de métastases cérébrales inclus dans l'essai de recherche clinique SAFIR-02 LUNG et évolution cérébrale sous traitement", *Revue des Maladies Respiratoires Actualités*, 14(1): 11, 2022
2. Bizot, A., **Karimi, M.**, Rassy, E. *et al.* "Multicenter evaluation of breast cancer patients' satisfaction and experience with oncology telemedicine visits during the COVID-19 pandemic", *Br J Cancer*, 125: 1486–1493, 2021
3. Besse, B., **Karimi, M.**, Tomasini, P., *et al.* "Maintenance targeted therapy compared to standard of care (SoC) in patients (pts) with metastatic non-small cell lung cancer (NSCLC): Results from the phase II randomized UNICANCER/IFCT1301-SAFIR02-LUNG intergroup trial", *Journal of Clinical Oncology*, 39(15\_suppl): 9095–9095, 2021
4. Conversano, A., Abbaci, M., **Karimi, M.**, *et al.* "83P Axillary reverse mapping using near-infrared fluorescence imaging in invasive breast cancer (ARMONIC study)", *Annals of Oncology*, 32(S56), 2021
5. Fung, A. S.\* , **Karimi, M.\***, Michiels, S., *et al.* "Prognostic and predictive effect of KRAS gene copy number and mutation status in early stage non-small cell lung cancer patients", *Transl Lung Cancer Res* 10(2): 826–838, 2021
6. Chadeau-Hyam, M.\* , Bodinier, B.\* , Vermeulen, R.\* , **Karimi, M.\***, *et al.* "Education, biological ageing, all-cause and cause-specific mortality and morbidity: UK biobank cohort study", *EclinicalMedicine*, 29–30, 2020
7. Barlesi, F., **Karimi, M.**, Tomasini, P., *et al.* "Durvalumab (D) compared to maintenance chemotherapy (SoC) in patients (pts) with metastatic non-small cell lung cancer (NSCLC): Results from the randomized SAFIR02 LUNG-IMMUNO trial", *Annals of Oncology*, 31(S823), 2020
8. Bizot, A., Heudel, P. E., **Karimi, M.**, *et al.* "1710P International multicentric evaluation of breast cancer patients' satisfaction and experience with oncology telemedicine visits (TV) during the COVID-19 outbreak", *Annals of Oncology*, 31(S1006), 2020
9. Dagnino, S., Bodinier, B., Grigoryan, H., Rappaport, S. M., **Karimi, M.**, *et al.* "Agnostic Cys34-albumin adductomics and DNA methylation: Implication of N-acetylcysteine in lung carcinogenesis years before diagnosis", *Int J Cancer*, 146: 3294–3303, 2020
10. Fung, A. S.\* , **Karimi, M.\***, Michiels, S., *et al.* "Prognostic and predictive effect of KRAS gene copy number and mutation status in early stage non-small cell lung cancer (NSCLC) patients", *Journal of Clinical Oncology* 38(15\_suppl): e21080–e21080, 2020
11. Gauthier, M.P.\* , **Karimi, M.\***, Michiels, S., *et al.* "Role of the total mutation burden (TMB) and tumor-infiltrating lymphocytes (TILs) on the development of second primary cancer after complete resection of non-small cell lung cancer (NSCLC)", *Journal of Clinical Oncology*, 38(15\_suppl): e21092–e21092, 2020

12. Castagné, R., Chadeau-Hyam, M., **Karimi, M.**, *et al.* "Social patterning of inflammation over the life-course and its relationship with mortality", *European Journal of Public Health*, 29(Issue Supplement\_4), 2019
13. Chadeau-Hyam, M., **Karimi, M.**, Castagné, R., *et al.* "A socially patterned Biological Health Score and mortality in Understanding Society and UKBiobank", *European Journal of Public Health*, 29(Issue Supplement\_4), 2019
14. Berger, E. \*, Castagné, R. \*, Bochud, M., Chadeau-Hyam, M., d'Errico, A., Gandini, M., **Karimi, M.**, *et al.* "The social determinants of inflammation over the life course across 6 European cohorts: evidence from the Lifepath study", *Nature Communications*, 1(10): 773, 2019
15. **Karimi, M.** \*, Castagné\*, Delpierre, C., *et al.* "Early-life inequalities and biological ageing: a multisystem Biological Health Score approach in Understanding Society", *J Epidemiol Community Health*, 73: 693–702, 2019
16. Berger, E., Castagné, R., Bochud, M., Chadeau-Hyam, M., d'Errico, A., Gandini, M., **Karimi, M.**, *et al.* "Social determinants of systemic inflammation over the life course: a multi-cohort study", *European Journal of Public Health*, 28(Issue suppl\_4), 2018
17. Castagné, R., Garès, V., **Karimi, M.**, *et al.* "Allostatic load and subsequent all-cause mortality: which biological markers drive the relationship? Findings from a UK birth cohort", *European Journal of Epidemiology*, 33(5): 441–458, 2018.
18. **Karimi, M.**, Rey, G. and Latouche, A. "A Joint modelling of socio-professional trajectories and cause-specific mortality", *Computational Statistics & Data Analysis*, 119: 39–54, 2018.
19. **Karimi, M.**, Geoffroy-Perez, B., Fouquet, A., *et al.* "Socio-professional trajectories and mortality in France, 1976–2002: a longitudinal follow-up of administrative data", *J Epidemiol Community Health*, 69(4): 339–346, 2015.

#### Communications

1. **Karimi, M.** "Chaîner une base de données hospitalière avec les données de mortalité INSEE", *Journée du CESP*, Villejuif, France, Nov 2021.
2. **Karimi, M.**, Castagné, R., Albertus, G., *et al.* "Social inequalities in biological health across the lifespan in Understanding Society: development of a biological health score", *MRC-PHE's International Scientific Advisory Board meeting (ISAB)*, London, UK, May 2018.
3. **Karimi, M.**, Fiorito, G., Vlaanderen, J., *et al.* "Investigating the risk of cardiovascular diseases: a multi-omic and dynamic approach", *MRC-PHE's International Scientific Advisory Board meeting (ISAB)*, London, UK, May 2017.
4. **Karimi, M.**, Rey, G. and Latouche, A. "Joint modeling of longitudinal nominal data and cause-specific hazards", *36th Annual Conference of the International Society for Clinical Biostatistics*, Utrecht , The Netherlands, Aug 2015.
5. **Karimi, M.**, Rey, G. and Latouche, A. "Joint modeling of longitudinal nominal data and cause-specific hazards", *Journées 2015 de GDR "Statistique et Santé"*, Paris, France, Jun 2015.
6. **Karimi, M.**, Geoffroy-Perez, B., Fouquet, *et al.* "Socio-professional trajectories and mortality in France, 1976–2002", *20th World Congress of Epidemiology*, Anchorage, Alaska, US, Aug 2014.

\* Joint first authors