

Stanford



Lise Mangiante

Postdoctoral Scholar, Stanford Cancer Center

Bio

HONORS AND AWARDS

- Ph.D. Scholarship, Ligue Contre le Cancer (LNCC) (2018-2021)
- Mesothelioma Research Network (MRN) - Travel Fellowship Award, British Lung Fondation (BLF) (2020)
- iMig Young Investigator Award, Kazan Law (2020)
- Mobility Grant, research internship in Dr. Hans Clevers Group, Hubrecht Institute, Netherlands, Cancéropôle Lyon Auvergne Rhône-Alpes (CLARA) (2019)
- Mobility Grant for an internship in DKFZ, Heidelberg, Germany, Region Loire Atlantique (2017)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, NCI Metastasis Research Network (MetNet) (2022 - present)
- Member, Mesothelioma Research Network (MRN) (2019 - present)
- Member, American Association for Cancer Research (AACR) (2023 - present)

PROFESSIONAL EDUCATION

- Master of Science, Unlisted School (2018)
- Bachelor of Science, Unlisted School (2016)
- Master of Science, Universite Claude-Bernard (Lyon I) (2018)
- Doctor of Philosophy, Lyon 1 University, France , Oncology and genomics (2021)
- Master of Science, Lyon 1 University, France , Oncology 3.0: from multi-omics analyses to personalised medicine (2018)
- Master of Science, Oniris Engineering school, Nantes, France , Health Biotechnology and Engineering (2018)

STANFORD ADVISORS

- Christina Curtis, Postdoctoral Faculty Sponsor
- Jennifer Caswell-Jin, Postdoctoral Research Mentor

Research & Scholarship

RESEARCH INTERESTS

- Data Sciences
- Science Education

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research focused on understanding the evolution and ecology of cancer, and determinants of disease progression through analysis and modeling of high-dimensional, clinically annotated datasets.

Publications

PUBLICATIONS

- **Multomic analysis of malignant pleural mesothelioma identifies molecular axes and specialized tumor profiles driving intertumor heterogeneity.** *Nature genetics*
Mangiante, L., Alcalá, N., Sexton-Oates, A., Di Genova, A., Gonzalez-Perez, A., Khandekar, A., Bergstrom, E. N., Kim, J., Liu, X., Blazquez-Encinas, R., Giacobi, C., Le Stang, N., Boyault, et al
2023
- **A molecular phenotypic map of malignant pleural mesothelioma.** *GigaScience*
Di Genova, A., Mangiante, L., Sexton-Oates, A., Voegelé, C., Fernandez-Cuesta, L., Alcalá, N., Foll, M.
2022; 12
- **Differential Orthopedia Homeobox expression in pulmonary carcinoids is associated with changes in DNA methylation.** *International journal of cancer*
Moonen, L., Mangiante, L., Leunissen, D. J., Lap, L. M., Gabriel, A., Hillen, L. M., Roemen, G. M., Koch, A., van Engeland, M., Dingemans, A. C., Foll, M., Alcalá, N., Fernandez-Cuesta, et al
2022; 150 (12): 1987-1997
- **Challenges in lung and thoracic pathology: molecular advances in the classification of pleural mesotheliomas.** *Virchows Archiv : an international journal of pathology*
Fernandez-Cuesta, L., Mangiante, L., Alcalá, N., Foll, M.
2021; 478 (1): 73-80
- **A molecular map of lung neuroendocrine neoplasms.** *GigaScience*
Gabriel, A. A., Mathian, E., Mangiante, L., Voegelé, C., Cahais, V., Ghantous, A., McKay, J. D., Alcalá, N., Fernandez-Cuesta, L., Foll, M.
2020; 9 (11)
- **Redefining malignant pleural mesothelioma types as a continuum uncovers immune-vascular interactions.** *EBioMedicine*
Alcalá, N., Mangiante, L., Le-Stang, N., Gustafson, C. E., Boyault, S., Damiola, F., Alcalá, K., Brevet, M., Thivolet-Bejui, F., Blanc-Fournier, C., Le Rochais, J. P., Planchard, G., Rousseau, et al
2019; 48: 191-202
- **Integrative and comparative genomic analyses identify clinically relevant pulmonary carcinoid groups and unveil the supra-carcinoids.** *Nature communications*
Alcalá, N., Leblay, N., Gabriel, A. A., Mangiante, L., Hervas, D., Giffon, T., Sertier, A. S., Ferrari, A., Derks, J., Ghantous, A., Delhomme, T. M., Chabrier, A., Cuenin, et al
2019; 10 (1): 3407

PRESENTATIONS

- Spatial transcriptomic profiling of breast cancer across metastasis - MetNet Annual Meeting (2023)
- Deep genomic characterisation and integration unveil specific cancer tasks and evolutionary traits, together with specific morphological and molecular profiles with important clinical implications. - International Mesothelioma Interest Group (iMig) meeting 2021 Virtual Event
- MESOMICS project: molecular characterisation of Malignant Pleural Mesothelioma using a multi-omic approach. - IASLC 2020 World Conference on Lung Cancer
- Redefining malignant pleural mesothelioma types as a continuum uncovers immune-vascular interactions - 2^e journées francophones sur le mésothéliome (2019)
- Redefining malignant pleural mesothelioma types as a continuum uncovers immune-vascular interactions - CRCL Symposium 2019
- Redefining malignant pleural mesothelioma types as a continuum uncovers immune-vascular interactions - Early Career Scientists Association Day (2019)
- Redefining malignant pleural mesothelioma types as a continuum uncovers immune-vascular interactions - Forum CLARA (2019)
- Multi-omic characterisation of rare thoracic tumours - IARC/WHO Scientific Council (2019)