

L. Francisco Lorenzo-Martín

<https://orcid.org/0000-0003-4717-9338>

Education

Bachelor's Degree

Biotechnology (University of Salamanca, Spain, 2008-2013)

Master's Degree

Cancer Biology and Clinics (University of Salamanca, Spain, 2013-2014)

Advanced Bioinformatic Analysis (University Pablo de Olavide, Spain, 2019-2021)

Doctoral Degree

Biosciences: Cancer Biology and Clinics and Translational Medicine (University of Salamanca, Spain, 2014-2019)

Positions

Predoctoral researcher (2014-2019)

Laboratory: Prof. Xosé R. Bustelo

Institution: Centro de Investigación del Cáncer (CIC, Salamanca, Spain)

Research: Rho exchange factors in the regulation of squamous cell stemness and carcinogenesis

Postdoctoral researcher (2020-Present)

Laboratory: Prof. Matthias P. Lutolf

Institution: École Polytechnique Fédérale de Lausanne (EPFL, Lausanne, Switzerland)

Research: Next-generation organoid systems for the modeling of colorectal cancer

Selected publications

1. L. Francisco Lorenzo-Martín et al. Mini-colon avatars of colorectal cancer patients enable long-term modeling of tumor–microenvironment complexity. *Nature Biotechnology*, 2024. In press.
2. L. Francisco Lorenzo-Martín et al. Spatiotemporally resolved colorectal oncogenesis in mini-colons ex vivo. *Nature*, 2024. PMID: 38658753.
3. L. Francisco Lorenzo-Martín et al. The Rho guanosine nucleotide exchange factors Vav2 and Vav3 modulate epidermal stem cell function. *Oncogene*, 2022. PMID: 35534539
4. L. Francisco Lorenzo-Martín et al. VAV2 signaling promotes regenerative proliferation in both cutaneous and head and neck squamous cell carcinoma. *Nature Communications*, 2020. PMID: 32963234
5. L. Francisco Lorenzo-Martín et al. Vav2 pharmaco-mimetic mice reveal the therapeutic value and caveats of the catalytic inactivation of a Rho exchange factor. *Oncogene*, 2020. PMID: 32528129