

Juan Carlos Cabellos Guillem

07.07.2001 / Mail: juancc@stud.ntnu.no

Current profession: Graduated of the master in Molecular Medicine

PERSONAL DETAILS

- **Date of birth:** 07.07.2001
- **Citizenship:** Spanish
- **E-mail:** juancc@stud.ntnu.no
- **Current profession:** Graduated of the master in Molecular Medicine

WORK EXPERIENCE

- **2025-02 - present:** NTNU - Helping taking care of organoids, cell cultures and immunofluorescence microscopy. I am currently taking care of ovarium and prostate organoids, while using IHC techniques and immunofluorescence imaging to characterize their growth and internal dynamics.
- **2024-07 - 2025-05:** NTNU - Research for master thesis. I characterized Zn, it's related metabolites and transporters in PCa tissue sections using state of the art MALDI Mass spectrometry imaging. I studied the spatial correlations established between these components, and the expression patterns regarding patient clinical data.
- **2022-06 - 2023-06:** UV-NTNU - Research for bachelor thesis. I characterized 3 chemokines (CXCL1, CXCL5 and CXCL12) in prostate cancer biofluids using ELISA and PCR. I also developed a ML algorithm with a precision of over 80 % of identifying potential PCa patients.

JOURNAL PUBLICATIONS

- Wess, Maximilian; Andersen, Maria Karoline; Midtbust, Elise; Guillem, Juan Carlos Cabellos; Viset, Trond; Størkersen, Øystein. (2025) Spatial integration of multi-omics data from serial sections using the novel Multi-Omics Imaging Integration Toolset. GigaScience. DOI: 10.1093/gigascience/giaf035

EDUCATION

- **2023-08 - present:** NTNU - Master in Molecular Medicine *Credits: 120*
- **2019-08 - 2023-06:** Universitat de València - Biotechnology *Credits: 360 Grade: B*

SKILLS

- **Organoid and Cell Culture Management**
- **Molecular Imaging and Mass Spectrometry experience**
- **Proven immunohistochemistry, ELISA and NMR experience**
- **Machine Learning basic skills**
- **Extense lab reporting experience**

LANGUAGES

- **Spanish:** Verbal skills: Native language Written skills: Native language
- **English:** Verbal skills: Fluent Written skills: Fluent
- **Catalan:** Verbal skills: Native language Written skills: Native language
- **French:** Verbal skills: Basic skills Written skills: Basic skills