



LILIAN MARIE BOLL

born 03.12.1996 in Hamburg, Germany

CONTACT



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EDUCATION

PhD in Biomedicine

Universidad Pompeu Fabra

📅 2021 - 2025 📍 Barcelona, Spain

Bioinformatics (M.Sc.)

Universidad Pompeu Fabra

📅 2020 - 2022 📍 Barcelona, Spain

Public Health (M.Sc.)

University of Southern Denmark

📅 2018 - 2020 📍 Esbjerg, Denmark

Biomedical Sciences (B.Sc.)

Philipps Universität

📅 2015 - 2018 📍 Marburg, Germany

LANGUAGES

English: *fluent*

German: *native*

Spanish: *proficient*

French: *intermediate*

DIVULGATION

Talks and poster presentations

European Association of Cancer Research (EACR) Congress

2024, Barcelona

EMBL Cancer Genomics Conference

2023, Heidelberg

European Conference Computational Biology (ECCB)

2022, Sitges

PROFILE

Ph.D. in Biomedicine

Thesis focused on the analysis of established and discovery of novel **biomarkers associated with response to immunotherapy in cancer patients**. Key skills and expertise:

- Generation, analysis and interpretation of genomic and transcriptomic data.
- Proficiency in programming and statistical analysis (R, Python, Bash).
- Project management, creative thinking and troubleshooting.
- Communication of results to a scientific and general audience.

EXPERIENCE

Research Stay at Vall d'Hebron Oncology Institute, 📅 Jul 2024

Gained hands-on experience in the analysis of immunoepitidomics and survival data during a four-week research stay.

iSCB Student Council, 📅 Jan - Aug 2024

As part of the Design Committee, I was in charge of advertising the event and its speaker on social media, designing flyer, merch, banners, etc.

HONORS & AWARDS

- **Doctoral INPhINIT Incoming Fellowship "la Caixa" Foundation 2021** (6.5% success rate)
- **Second Prize, Computational Oncology Master Thesis Award VHIO, 2024**
- **Honorary Mention for MSc theses in Bioinformatics (2022) and Public Health (2020)**

PUBLICATIONS

Predicting immunotherapy response in advanced bladder cancer through a meta-analysis of six independent cohorts

Nature Communications, 2025

Boll, L.M.*, Vázquez Montes de Oca, S.*, Camarena, M., Castelo, R., Bellmunt, J., Perera-Bel, J., Albà, M.

The impact of mutational clonality in predicting the response to immune checkpoint inhibitors in advanced urothelial cancer

Scientific Reports, 2023

Boll, L. M.*, Perera-Bel, J.*, Rovira, A., Juanpere Rodero, N., Vázquez, S., Hernández-Llodrà, S., Lloreta, J., Albà, M., Bellmunt J.

Prenatal Greenspace Exposure and Cord Blood Cortisol Levels

Environment International, 2020

Boll, L. M., Khamirchi, R., Alonso, L., Llurba, E., Óscar, J. P., Dadvand, P.

Greenspace exposure and children behavior: a systematic review

Sci Total Environ. 2022

Sakhvidi, M. J.Z, de Keijzer, C., Bauwelinck, M., **Boll, L. M.**, Knobel, P., Jacquemin, B., Dadvand, P.