LILIAN MARIE BOLL

born 03.12.1996 in Hamburg, Germany

CONTACT

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EDUCATION

Bioinformatics (M.Sc.)
Universidad Pompeu Fabra
Barcelona, Spain

Public Health (M.Sc.)
University of Southern Denmark
Esbjerg, Denmark

Biomedical Sciences (B.Sc.)
Philipps Universität
Marburg, Germany

LANGUAGES

English:	*fluent*
German:	*native*
Spanish:	*proficient*
French:	*intermediate*

SCIENCE DIVILUGATION

Talks and poster presentations
- European Association of Cancer Research 2024, Barcelona
- EMBL Cancer Genomics Conference 2023, Heidelberg
- European Conference Computational Biology 2022, Sitges

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** - MSc theses in Bioinformatics (2022) and Public Health (2020)

EXPERIENCE

Ph.D. in Biomedicine, December 2021 to July 2025
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.*

Research Stay at Vall d'Hebron Oncology Institute (VHIO), July 2024
Gained hands-on experience in the analysis of immunopeptidomics and survival data during a four-week research stay.

iSCB Student Council, January to August 2024
As part of the Design Commitee, I was in charge of advertising the event and its speaker on social media, designing flyer, merch, banners, etc.

PUBLICATIONS

Boll. L.M.*, Vázquez Montes de Oca, S.*, Camarena, M.E., Castelo, R., Bellmunt, J., Perera-Bel, J., Albà, M.M. **Predicting immunotherapy response in advanced bladder cancer: a meta-analysis of six independent cohorts**. Nature Communications. *2025. doi.org/10.1038/s41467-025-56462-0.*

Boll, L. M.*, Perera-Bel, J.*, Rovira, A., Juanpere Rodero, N., Vázquez, S., Hernández-Llodrà, S., Lloreta, J., Albà, M.M., Bellmunt J. **The impact of mutational clonality in predicting the response to immune checkpoint inhibitors in advanced urothelial cancer**. *Scientic Reports. 2023; doi: 10.1038/s41598-023-42495-2.*

Boll, L. M., Khamirchi, R., Alonso, L., Llurba, E., Óscar, J. P., & Dadvand, P. **Prenatal Greenspace Exposure and Cord Blood Cortisol Levels**. *Environment International. 2020; doi: 10.1016/j.envint.2020.106047.*

Sakhvidi, M. J.Z, de Keijzer, C., Bauwelinck, M., **Boll, L. M.**, Knobel, P., Jacquemin, B., Dadvand, P. **Greenspace exposure and children behavior: A systematic review**. *Sci Total Environ. 2022; doi: 10.1016/j.scitotenv.2022.153608.*