LILIAN MARIE BOLL

born 03.12.1996 in Hamburg, Germany
based in Barcelona, Spain

CONTACT

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COURSES

- **Scientific Communication, Open Science**
  by SIRIS Academy, Mar 2023
- **Immunity and Cancer Immunotherapy**
  by Institut Curie, Jun 2022
- **Cancer Genomics Course**
  by EMBL, Jun 2022
- **NGS - Genome Variant Analysis** by Swiss Institute of Bioinformatics, Mar 2022
- **Research Integrity, Public Speaking, Scientific Writing**
  by SIRIS Academic, Feb 2022

SKILLS

Scientific Skills
Oncology, Immunotherapy, Genomics, Prediction Medicine, Machine Learning, Data Visualisation

Soft Skills & Leadership
Project & Time Management, Mentoring, Proactive Learner, Multi-disciplinary Teamwork

Communication
Public Speaking, Scientific Writing, Illustration & Animation Software, Social Media Management

Languages
German – *native*
English – *fluent*
Spanish – *fluent*

PROFILE

Biomedical Scientist (PhD) with a strong background in oncology, immunotherapy, and clinical data analysis, and a passion for science communication. Experienced in managing projects from conception to publication, combining analytical depth with strong communication, mentoring and teamwork skills.

EDUCATION

PhD in Biomedicine
Research Institute Hospital del Mar, Barcelona, Nov 2021 - Aug 2025
- Awarded laCaixa INPhINIT Fellowship (6.5% success rate)
- Dissertation focused on biomarker discovery and predicting immunotherapy response using big multi-omics and clinical data.

Bioinformatics (M.Sc.)
Universidad Pompeu Fabra, Barcelona, Sep 2020 - Jul 2022
Graduated with distinction; awarded VHIO Master Thesis Prize.

Public Health (M.Sc.)
University of Southern Denmark, Esbjerg, Sep 2018 - Jul 2020
Graduated with distinction; ERASMUS+ to conduct internship abroad.

Biomedical Sciences (B.Sc.)
Philipps Universität, Marburg, Oct 2015 - Aug 2018
Built scientific foundation and critical thinking, wet lab experience.

EXPERIENCE

PhD candidate
Research Institute Hospital del Mar, Barcelona, Nov 2021 - Aug 2025
- Conducted research in oncology and immunotherapy, integrating clinical and multi-omics data for biomarker discovery.
- Managed multi-task projects, balancing data generation and analysis, publication, and presentations ensuring deadlines were met.
- Collaborated across disciplines and mentored junior scientists.
- Presented work to scientific and public audiences.

Research Stay
Vall d'Hebron Oncology Institute, Barcelona, Jul 2024
- Experience in immunopeptidomics and survival analysis.
- Demonstrated adaptability, integrating rapidly into new environments.

Design Committee Member
ISCB Student Council, remote, Jan 2024 - Aug 2024
- Promote the Student Council Symposium 2024 on social media.

M.Sc. internship at ISGlobal
ISGlobal, Barcelona, Oct 2019 - Jul 2020
- Epidemiological data analysis and international collaborations.

PUBLICATIONS

Predicting immunotherapy response in advanced bladder cancer through a meta-analysis of six independent cohorts
Boll & Vázquez Montes de Oca *et al*., *Nature Communication* (2025).

The impact of mutational clonality in predicting the response to immune checkpoint inhibitors in advanced urothelial cancer
Boll & Perera-Bel *et al*., *Scientic Reports* (2023).

Prenatal Greenspace Exposure and Cord Blood Cortisol Levels
Boll *et al*., *Environment International* (2020).