Maria Lee Alcober

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Education

Universitat Politècnica de Catalunya–BarcelonaTech — Spain
PhD in Statistics and Operations Research — April 2025 – Present
- Provisional thesis title: *"Methods for multistage designs with survival data and informative censoring"*.
  Supervisors: Marta Bofill Roig & Werner Brannath

Universitat Politècnica de Catalunya–BarcelonaTech — Spain
MSc in Statistics and Operations Research — Sept 2023 – Feb 2025
- Thesis: *"Development and validation of prognostic models in phase I oncology clinical trials"* 9.5/10.
  Supervisors: Klaus Langohr & Guillermo Villacampa

Universitat Autònoma de Barcelona — Spain
MSc in Teaching Mathematics — 2022 – 2023

Universitat de Barcelona — Spain
BSc in Mathematics — 2018 – 2022
- Thesis: *"Extreme value theory and applications"* 9.4/10.

Universitat de Barcelona — Spain
BSc in Physics — 2018 – 2022
- Thesis: *"Radial correlation in two-electron atoms"* 9.8/10.
  Supervisor: José María Fernández Varea

Experience

Vall d'Hebron Institute of Oncology — Barcelona, Spain
Biostatistician — Oct 2024 – March 2025
- at the Statistics Unit

Hospital del Mar Research Institute — Barcelona, Spain
Biostatistician — Feb 2023 – July 2023
- at the Cell Research on Inflammation and Cartilage Group

Research stays

- University of Bremen, Faculty for Mathematics and Computer Science, Competence Center for Clinical Trials Bremen (KKSB) and Institute of Statistics (IfS).
  15th April 2026 – 15th May 2026
  Research stay with Dr. Prof. Werner Brannath.

Fellowships

- Ajut de Formació de Doctors — 2024 – 2028
  Predoctoral fellowship from the Spanish Ministry of Science, Innovation and Universities. Reference: MICIU/AEI/10.13039/501100011033.

Teaching

- *Statistics*, BSc in Mathematics (Universitat Politècnica de Catalunya) — 2026 – 2027

Conference presentations

- 8th International Symposium on Biopharmaceutical Statistics (ISBS 2026)
  M. Lee Alcober, W. Brannath, M. Bofill Roig. Oral presentation: Sample size reestimation in two-arm trials using doubly robust estimators for marginal treatment effects. Madrid (Spain), October 13 – 16, 2026.
- Survival Analysis for Junior Researchers (SAfJR 2026)
  M. Lee Alcober, W. Brannath, M. Bofill Roig. Oral presentation: Sample size determination in two-arm trials using doubly robust estimators for marginal treatment effects. Amsterdam (The Netherlands), March 25 – 27, 2026.
- Workshop on the Occasion of the 10th Anniversary of GRBIO
  M. Lee Alcober, K. Langohr, G. Villacampa. Poster presentation: Development and validation of prognostic models in phase I oncology clinical trials. Barcelona (Spain), January 30, 2025.
- Conferencia de la Sociedad Española de Bioestadística (CEB 2025)
  M. Lee Alcober, K. Langohr, G. Villacampa. Oral presentation: Development and validation of prognostic models in phase I oncology clinical trials. Elche (Spain), September 16 – 19, 2025.
- 46th Annual Conference of the International Society for Clinical Biostatistics (ISCB 2025)
  M. Lee Alcober, K. Langohr, G. Villacampa. Poster presentation: Development and validation of prognostic models in phase I oncology clinical trials. Basel (Switzerland), August 24 — 28, 2025.

Involvement in scientific societies

- Member of the International Society of Clinical Biostatistics (ISCB) 2025 – Present
- Member of the BIOSTATNET Network 2024 – Present
- Member of the Catalan Society of Statistics (SOcE) 2024 – Present
- Member of the International Biometric Society (IBS and Spanish Region) 2024 – Present

Skills and languages

- Programming: R, Python, LaTeX, Git
- Languages: Catalan (native), Spanish (native), English (C2)