

GLORIA MAS MARTIN

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SENIOR TRANSLATIONAL RESEARCH LEADER

Translational research leader with **15+ years integrating in vivo models** with multi-omic biomarker discovery. Built and scaled **PDX programs** (glioblastoma and hematologic malignancies) to support drug efficacy, PK/PD, and mechanism-of-action studies; expert in study design, tumor take-rate optimization, orthotopic/heterotopic engraftments, and longitudinal imaging—linking preclinical results to clinical decision-making.

KEY SKILLS

Translational research | Scientific strategy | Immuno-oncology PDX models | Biomarker discovery | Predictive Digital pathology | Spatial-omics | Genomics & Epigenomics expert | Data integration | Data reporting | Research Operations | Cross-functional leadership | Scientific communication

PROFESSIONAL EXPERIENCE

University of Miami, Sylvester Comprehensive Cancer Center — Cancer Modeling Shared Resource — Miami, FL

Assistant Director, Preclinical & Translational Research | Nov 2023 – Present

- **Built and led a PDX portfolio** spanning solid and hematologic tumors, and humanized models to investigate immune-tumor interactions: established engraftment pipelines (orthotopic, heterotopic, subcutaneous), standardized passaging/cryopreservation, and created QC gates (histopathology, mycoplasma, human:mouse content) to ensure model fidelity.
- **Designed and executed in vivo pharmacology** (efficacy, PD/TE, survival) with integrated PK/PD sampling and endpoint histology/IHC.
- **Operationalized IACUC-compliant workflows**, training programs and SOPs to ensure rigor, feasibility and reproducibility.
- **Partnered with disease teams and cores** (pathology, bioinformatics, spatial multi-omics) to translate PDX results into biomarker hypotheses and study go/no-go recommendations.

Galvanize Therapeutics (Remote) — Redwood City, CA

Senior Clinical Data Scientist | Apr 2023 – Nov 2023

- **Integrated multi-modal clinical datasets** (digital pathology, scRNA-seq, cytokine panels, flow cytometry) to characterize immunomodulatory effects of targeted Aliya^R Pulse-Electric-Fields (PEF) energy delivery in a multi-site Phase II lung cancer clinical trial.
- Partnered with internal stakeholders and external clinicians and CROs to **refine analysis plans, ensure data quality, and deliver study reports** supporting trial decisions. Co-authored 3 abstracts and 1 manuscript currently under peer-review.

Invitae Corporation (Remote) — San Francisco, CA

Scientific Project Manager | Feb 2022 – Mar 2023

- Directed an NIH-U01 program to build a fully automated clinical whole-genome sequencing (WGS) lab; coordinated 10+ engineers, scientists, and bioinformaticians across biotech and academic sites.

- Managed timelines, budgets, and regulatory documentation; aligned academic, clinical and industry partners on milestones, deliverables, and risk mitigation.
- Translated clinical and research needs into product requirements for both the automation and software teams; improved reliability and audit readiness of an automated clinical Whole-Genome-Sequencing pipeline.

University of Miami, Miller School of Medicine — Nimer Lab — Miami, FL

Associate Scientist | Oct 2016 – Jan 2022

- **Integrated in vivo tumor studies** (xenograft/PDX) with immune profiling (flow cytometry & CyTOF, cytokine profiling) and NGS (RNA-seq, ATAC-seq) to inform mechanism-of-action, target prioritization, and therapeutic strategies in the fields of tumor inflammation and pathogenesis.
- Supervised junior researchers on NIH-funded projects; co-authored research grants (NIH, Taub Foundation) and 4 peer-reviewed manuscripts.

Centre for Genomic Regulation (CRG) — Di Croce Lab — Barcelona, Spain

Postdoctoral Fellow | Jan 2014 – Sep 2016

- Investigated epigenetic regulation in stem cells and leukemia models; established Hi-C/Capture-Hi-C and NGS pipelines in the research laboratory; authored papers in Nature Genetics and Genes & Development.

Stanford University — Gozani Lab — Stanford, CA

Postdoctoral Fellow | May 2008 – Dec 2013

- Developed biochemical and molecular assays to de-orphanize epigenetic modifiers; built international collaborations yielding 8 high-impact publications; mentored 2 PhD students; secured 3 international fellowships.

Universitat Pompeu Fabra — Posas Lab — Barcelona, Spain

Postdoctoral Fellow | Jun 2007 – May 2008

- Studied transcriptional regulation in budding yeast using ChIP-on-chip and genetic screens. Authored 2 peer-reviewed manuscripts.

EDUCATION

- **Ph.D., Biochemistry & Molecular Biology** — Universitat Pompeu Fabra, Spain
- **M.S., Biology** — Universitat Pompeu Fabra, Spain
- **B.S., Biology** — University of Girona, Spain

TECHNICAL SKILL LIST

- In vivo Models: PDX (glioblastoma, hematologic malignancies); xenograft/orthotopic/heterotopic models; intracranial GBM implantation; dosing schemas and PK/PD sampling; in vivo imaging (IVIS/Ultrasound/MRI/PET-CT); tumor measurement and survival endpoints; necropsy, tissue banking, and downstream IHC/NGS integration.
- Spatial/Digital Pathology: Bruker CosMx, GeoMx, Fluidigm Hyperion, 10x Visium Direct Placement/Visium HD; Visiopharm, Whole-slide scanning, FISH, Tissue microarrays.
- NGS/Epigenomics: RNA-seq, scRNA-seq, ATAC-seq, ChIP/CUT&RUN, Hi-C.
- Immuno-Oncology/FlowCytometry: CyTOF Mass Cytometry, multicolor flow, cytokine profiling.
- Operations/Project Management: Hiring, SOPs creation, regulatory compliance, training & competency, records management, LIMS/ELN, Jira/Monday.com; vendor/CRO management.
- Scientific communications: abstracts, manuscripts, governance readouts.