

Andrea Sanmamed

HISTOLOGY TECHNICIAN · RESEARCH ASSISTANT · PRECLINICAL RESEARCHER

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PROFESSIONAL SUMMARY

Biomedical researcher with 3+ years of hands-on experience in histology, IHC, immunofluorescence and biomarker analysis in both CRO and academic research settings. Skilled in high-throughput tissue processing, image acquisition (Zeiss AxioScan) and quantitative analysis (Image-Pro10, GraphPad). Proven track record in neurodegenerative disease models and translational oncology research. International experience, fast learner, and highly adaptable to multidisciplinary environments.

CORE TECHNICAL SKILLS

Histology and Imaging: IHC (automated/manual), IF, H&E, cryosectioning, FFPE, Image-Pro10, Zeiss AxioScan

Cell Biology: Human and bacterial cell culture, biomarker quantification, ROI analysis

Molecular Biology: PCR, ELISA, DNA/RNA/protein extraction and purification, HPLC

Data and Software: GraphPad Prism, Excel, ImageJ/Fiji, Word, PowerPoint

WORK EXPERIENCE

Scantox Neuro · Graz, Austria Jan 2025 – Jan 2026

HISTOLOGY TECHNICAL ASSISTANT

- Performed manual fluorescence microscopy and IF staining on cryopreserved brain tissue sections for neurodegenerative disease studies (ALS, Alzheimer's, Parkinson's), processing 250 slides per incubation run.
- Acquired and quantified histological images using Zeiss AxioScan and Image-Pro10, including ROI definition, cellular marker measurement and data export for statistical analysis.
- Contributed to R&D and histology departments following standardized SOPs; drafted scientific reports and visual data outputs for internal and client delivery.

Cancer and Translational Medicine Group, Biocruces Bizkaia · Bilbao, Spain Apr 2023 – Jul 2024

RESEARCH ASSISTANT

- Conducted automated IHC on FFPE samples and ELISA biomarker analyses on 100+ human samples to support the Melanoma-CDSS project for early detection of metastatic progression.
- Managed routine human cell culture procedures, ensuring experimental continuity across ongoing translational research studies.
- Provided technical support for the validation of translational research tools in a preclinical research setting.

IMQ Análisis Clínicos / Quirón salud · Bilbao, Spain Jun 2021 – Sep 2024

LABORATORY TECHNICIAN

- Processed and analyzed 50+ biomedical samples daily ensuring full traceability, accurate labelling and 100% compliance with laboratory protocols in a high-volume clinical setting.

EDUCATION

Master's Degree in Cosmetic Industry · Universitat Politècnica de València (UPV) — 2024 - 2025
Complementary expertise in ingredient science and sustainability

BSc in Biology · EHU/UPV — Cell, Molecular and Genetic Biology 2019 - 2024

Higher Technician in Clinical & Biomedical Laboratory · Cruz Roja Institute — 2017 - 2019
Internal trainee · Biofísica, UPV/EHU (2019) — hands-on training in PCR and HPLC techniques

LANGUAGES

Spanish: Native **Basque:** Native **English:** First (B2) level **German:** A2 – Actively improving

ADDITIONAL INFORMATION

Scientific divulgation: managed personal dermo-cosmetics project on social media; participated in UPV/EHU's Science Week (#SheMentoring stand, promoting female profiles in STEAM).