

Melissa Bridi

SUMMARY

Skilled in Oncology, Clinical Research, EHR-to-EDC integrations, Python, JavaScript, and interoperability standards (FHIR, HL7). Proven track record in technical solution delivery, stakeholder management, and research coordination, backed by strong laboratory and regulatory compliance expertise.

EXPERIENCE

Flatiron Health, New York, NY— *Senior Technical Solutions Associate*

August 2022 - Present

- Led full-cycle technical enablement for multiple oncology studies by integrating SMART on FHIR middleware from EHR to EDC, reducing data transfer errors and accelerating study timelines.
- Mapped and validated a first in industry prospective multi-site pilot study that included over 1200 unique Clinical Pipe enabled fields from EHR-to-EDC.
- Serve as a subject matter expert (SME), contributing technical insights to product roadmaps, resulting in enhanced interoperability and streamlined development cycles.
- Provided rollout plans/site comms as needed for feature development in OncoEMR Research Tab.
- Deployed releases in AWS cloud environments for SOC 2 SaaS product.
- Develop bash scripts that mitigate potential bottlenecks and errors associated with manual processes, ensuring robust and maintainable solutions that enhance operational efficiency.
- Designed and delivered onboarding cross-functional resources for new Technical Solutions associates on Clinical Pipe processes, resulting in a decreased ramp-up time.

Allegheny Health Network, Pittsburgh, PA— *Senior Clinical Research Coordinator*

August 2020 - September 2021

- Oversaw data integrity in EDC systems for oncology clinical trials, ensuring data accuracy benchmark compliance.
- Coordinated all aspects of patient care, including scheduling, specimen preparation, and regulatory updates, resulting in low protocol deviations at the site.
- Maintained and updated onco-trial billing systems, adhering to strict regulatory standards, which improved reimbursement outcomes.

UPMC, Pittsburgh, PA— *QA/QC & Training Coordinator, Clinical Research Associate, Medical Technologist*

August 2016 - July 2020

- Designed and delivered onboarding programs for new hires, reducing time-to-proficiency by 30%.
- Executed audit and monitoring functions for industry, cooperative, and investigator-led trials, ensuring consistent trial compliance.
- Spearheaded data management initiatives and prepared cGMP investigational products within tight deadlines, accurately meeting clinical trial objectives.

University of Pittsburgh, Pittsburgh, PA— *Research III & IV*
August 2013 - July 2016

- Conducted validation and optimization assays on cytokine cascades and processed autologous immunotherapy vaccines for clinical trials, expediting trial readiness.
- Applied flow cytometry to advance immunotherapy research, contributing to institutional publications and presentations.

Knopp Biosciences, Pittsburgh, PA— *Research Scientist*
June 2011 - May 2013

- Identified and tested second-generation drugs in cell-based assays and validated mitochondrial respiration studies in embryonic rat neurons (primary culture).
- Achieved efficient bacterial transformations and plasmid amplifications, bolstering lab throughput by approximately 25%.

Hershey Medical Center/Penn State College of Medicine, Hershey, PA— *Research Technician II, I & Specimen Processing Technician*
June 2007 - January 2011

- Conducted pre-clinical studies on type I diabetes, employing electroretinography and molecular biology techniques to optimize endpoints for JDRF-funded projects.
- Managed specimen processing pipelines that improved turnaround times, contributing to faster clinical decision making.

EDUCATION

Messiah University, Mechanicsburg, PA— *Bachelor of Science, Biology*

PennWest California, California, PA— *Bachelor of Science, Athletic Training*