

Amanda Donatti

Associate Toxicologist

Executive Summary:

I have been working with scientific researchers over the past 10 years. Since 2013 I have mostly work with human genetics and neurosciencientific research, in which I developed my master's and PhD degrees. During this period, I have identified genetic variants and molecular biomarkers associated with disease mechanisms that affect their prediction, prognosis, and potential targets for precision medicine. Since 2017, I have concomitantly participated as clinical trials researcher assistant and study coordinator in sponsored clinical trials for neurological diseases.

Education:

- 03/2021 **Ph.D. in Science: Medical Genetics**, University of Campinas (UNICAMP), Campinas, SP, Brazil
- 01/2016 **Masters in Science: Medical Genetics**, University of Campinas (UNICAMP), Campinas, SP, Brazil
- 12/2013 **Bachelors in biotechnology**, Federal University of São Carlos (UFSCar), São Carlos, SP, Brazil

Work History:

- 09/2022 - Present **Associate Toxicologist**, Affygility Solutions
Colorado, USA
- Responsibilities: Elaboration of toxicological monographs
 - ODE and PDE analysis
 - Occupational and risk assessments evaluation of compounds
- 03/2022 – 09/2022 **Site Study Coordinator**, Clinical Hospital of UNICAMP
Campinas, SP
- Relation to sponsors and CRO
 - Preparation of the site to develop the clinical study activities
 - Preparation of relevant documentation for study initiation
 - Follow up of technical visits
 - Participation in study trainings and meeting reports
 - Book patient appointments
 - Fill clinical data forms
 - Application of consentient forms
 - Process and shipment of biological samples
 - Assure the application of GCP and ICH regulations

- 04/2021 – 09/2022 **Post Doc Researcher**, Molecular Genetics Laboratory – UNICAMP
Campinas, SP
- Validate findings from NGS experiments
 - Search in public data base for state of art studies
 - Investigate new techniques for scientific application on genetic studies
 - Scientific manuscripts writing
 - Purification of extracellular vesicles for identification of genetic variants in patients with stroke.
- 03/2017 – 01/2022 **Assistant of Site Coordinator in Sponsored Clinical Trials**, Clinical Hospital of UNICAMP
Campinas, SP
- Elaboration of SOPs, monitor visits follow up, check for regulatory and GCP procedures
 - Responsible for patient follow up during visits and clinical data collection
 - Collection, processing, and shipment of biological materials between study' sites
- 03/2016 – 03/2021 **PhD Scientific Researcher**, Molecular Genetics Laboratory – UNICAMP
Campinas, SP
- Collection, processing, and storage of biological samples involved in genetic biobanks and clinical studies
 - Identification of genomic variants through next-generation sequencing techniques
 - Interpretation of genomic data to identify the mechanisms altered in diseases that can be associated with their prediction, prognosis evaluation and biomarkers for therapeutical targets
 - Co-supervisor of undergraduate and master's degree students
 - Preparation of presentations and reports of scientific data
 - Participation in genetic and medical national and international conferences
 - Scientific communication material
 - International collaboration with scientific groups
- 01/2020 – 06/2020 **Guest Ph.D. Researcher**, Interdisciplinary Nanoscience Center (iNANO)
Aarhus, Denmark
- Purification, extraction, and analysis of extracellular vesicles from plasma samples
 - Extraction, sequencing, and analysis of ncRNAs from plasma exosomes
 - RNA molecules and nanoparticles transfection in cell culture
 - Protocol optimization to tRNAs identification and analysis

03/2014 – 01/2016 **Researcher, MS level**, Molecular Genetics Laboratory – UNICAMP

Campinas, SP

- In silico prediction of epigenetic variants in candidate genes to stroke
- Analysis and identification of structural variants by SNP microarray
- Genotyping of SNP variants by qPCR

08/2013 – 01/2014 **Trainee**, Molecular Genetics Laboratory – UNICAMP

Campinas, SP

- Genotyping of SNP variants by qPCR
- Evaluation of candidate genes variants associated with epilepsy prognosis and time-course

Related Skills:

- Scientific communication
- Clinical Studies
- Scientific research
- Databank Research
- Biotechnology
- Molecular genetics
- International collaborations
- Collaborative work
- Disease mechanisms
- Bibliographic research
- Scientific writing
- Scientific data interpretation