

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 neuroscientific 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. Since 2022, I have been working at Affygility Solutions in the field of occupational toxicology. I hold a postgraduate specialization in Industrial Toxicology and perform toxicological risk assessments and occupational exposure evaluations for pharmaceuticals, natural health products (NHPs), and novel compounds. My activities include hazard assessment, derivation and evaluation of health-based exposure limits, and scientific review of toxicological and pharmacological data to support safe handling practices in occupational settings.

Education:

09/2025 Latu Sensu Postgraduate Specialization in Industrial Toxicology, CDPI Pharma, Brazil.
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

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-crise

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

APPROVALS

COMPANY: AFFYGILITY SOLUTIONS LLC

ORIGINATOR: Amanda Donatto DATE: 2026-05-13

QUALITY Math Lessard DATE: 2026-05-13

MANAGEMENT Donatto DATE: 2026-05-13

EFFECTIVE DATE: 2026-05-13

CERTIFICATE *of* SIGNATURE

REF. NUMBER
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