



## AARADHITA UPADHYAY, PhD

### BUSINESS AND SCIENTIFIC ANALYST

#### EXPERIENCE

06/2023 ONWARDS

##### BUSINESS ANALYST FOR LAB AUTOMATION @ PHARMACEUTICAL COMPANY, BASEL, SWITZERLAND

Supported a pharmaceutical company to automatize cell banking processes.

- ❖ Act as a Business Analyst for my client, a Lab Automation company, during the development of an automated lab solution.
- ❖ Gather, analyze and prioritize stakeholder's user requirements, to ensure that user needs are met.
- ❖ Gather, assess, and approve design change requirements, while ensuring that system functionalities meet the user stories acceptance criteria.

01/2022-06/2023

##### SCIENTIFIC WRITER FOR PUBLICATION OF DIGITAL HEALTH TECHNOLOGY @ NEUROTECH START-UP, PARIS, FRANCE

Supported a neurotech Start-Up, developing digital health solutions for Parkinson's patients. Mainly involved in publishing the results from one of their softwares.

- ❖ Support the alignment and flow of information in the manuscript.
- ❖ Transform complex scientific information (data and literature) into comprehensible but compelling content.
- ❖ Collaborate closely with researchers to stay abreast of project developments.

04/2021-06/2021

##### MEDICAL WRITER FOR RESEARCH @ NEUROMODULATION COMPANY, NEW YORK, US

Supported a patent application of a new neuromodulation device with background research of the currently available similar products and their research results.

- ❖ Understand the client's goal and specific support they require.
- ❖ Review literature on existing neuromodulation devices.
- ❖ Extract specific (relevant) measurements from clinical study results of neuromodulation methodologies.

01/2021-04/2021

##### SCIENTIFIC WRITER FOR CONTENT WRITING @ NEUROBEHAVIOR MAZE ENGINEERING COMPANY, BOSTON, US

Generated compelling content for a company making different mazes to analyse neurobehavior in different mouse models of multiple cognitive and neuronal diseases.

- ❖ Thoroughly research each disease and the available mouse models.
- ❖ Co-relate each disease behavior that can be potentially analyzed by different behavioral mazes.
- ❖ Write a blog article for their website describing the disease, quantifying behaviors and ease-of-use of the relevant behavior mazes from the client.

11/2020-12/2020

## SCIENTIFIC WRITER FOR PRODUCT ROLL-OUT PRESENTATION @ COGNITIVE TRAINING COMPANY, SEATTLE, US

Supported client in framing a product roll-out presentation for their Vision journals, which is part of their cognitive training.

- ❖ Research the published and reliable data on journaling practices and their cognitive impact.
- ❖ Prepare a convincing PowerPoint presentation for their product and cite the references from the published studies.
- ❖ Articulate complex scientific products into easily understandable content for the target users.

06/2020-10/2020

## CONTENT WRITER FOR NEUROBUSINESS NEWSLETTER @ BUSINESS MAGAZINE, PERU

Wrote articles for a business magazine focused on neuronal behaviors that can be conceptualized to be incorporated in business training and practices.

- ❖ Research the published data available on each neuronal behavior and their impact on business acumen.
- ❖ Articulate complex scientific concepts into easily understandable content for the target readers.

10/2014-12/2018

## RESEARCH SCIENTIST & PROJECT MANAGER @ CENTER FOR MOLECULAR MEDICINE COLOGNE, COLOGNE, GERMANY

Studied the function of a neuronal calcium sensor, NCALD, in adult neurogenesis via MAPK pathway. Designed and executed a preclinical research study to investigate the role of a MAPK inhibitor drug as a therapeutic option.

- ❖ Ideate and execute experimental procedures.
- ❖ Acquire research funding for the PhD project.
- ❖ Independently manage the successful execution of a functional neuroscience project.
- ❖ Understand relevant testing methodologies, while applying best practices.

## EDUCATION

10/2014-12/2018

PHD IN NEUROSCIENCE | UNIVERSITY OF COLOGNE, *COLOGNE, GERMANY*

Thesis: The role of Neurocalcin delta in adult neurogenesis and its use as a safe therapeutic option for spinal muscular atrophy.

07/2009-06/2014

MASTER OF SCIENCE IN BIOTECHNOLOGIES | DR. D.Y. PATIL UNIVERSITY *PUNE, INDIA*

Thesis: Study of Histone variant H3.3 and its role in neural differentiation of neurons and glia.

## SKILLSET

- ❖ R&D laboratory setting expert.
- ❖ Scientific and Medical Writing.
- ❖ Knowledge of ICMJE guidelines.
- ❖ Microsoft Office 365, SharePoint, OneDrive and Microsoft Project.
- ❖ EndNote, GraphPad.
- ❖ Scientific Project Management.
- ❖ Resource allocation and management in scientific projects.
- ❖ Risk management and mitigation in scientific projects.
- ❖ Data protection and Data Management.
- ❖ Stakeholder management and communication in scientific projects.
- ❖ Team leadership and management in scientific projects.

## CERTIFICATIONS

- ❖ PRINCE2 Foundation
- ❖ IREB

## LANGUAGES

- ❖ Hindi (mother tongue)
- ❖ English (fluent)
- ❖ German (B1)