

SREEMANJARI KANDHASAMY

Skills

Project management -Lean six sigma Yellow belt certification

Data analysis

Data management

Meta-analysis

Systematic reviews

R- Programming

LAB-BASED SKILLS

Q- PCR

Western Blot

Flow cytometry

Immunoassay

Animal Handling

Genotyping

Cell-culture techniques

LANGUAGES

English

Tamil

German (A1)

Education

Birla Institute of Technology and Science, Pilani
B.Pharm(Hons) Pharmacy 2018
GPA : 8.74/10

Aug. 2014 to July 2018

ETH Zurich
M.Sc Pharmaceutical Sciences 2021
GPA: 5.12/6

Sept. 2018 to Feb. 2021

University of Bern
PhD in Graduate School of Health Sciences

July 2021 to Current

Employment

Beckman Coulter Bangalore Development Centre
Research and Development Intern

Bangalore, India
Jan. 2018 to July 2018

Product development & Documentation for CFDA submission

- Involved in product development of the blood based antigen antibody kits used in HIV detection
- Conducted several lab-based experiments for characterization, verification and validation for the Duraclone Tri-TSTAT product on DxFlex flow cytometer.
- Performed data collection , analysis, documentation for the submission to China Food and Drug Administration

Projects

Swiss MS registry

Jan. 2021 to Mar. 2021

Guided by Dr. Nina Steinemann and Prof. Milo Puhon, UZH

Research Assistant in Data management and Data analysis

Impact of retraction on meta-analysis in Pharmacoepidemiology

Feb. 2020 to Aug. 2020

Guided by Prof. Andrea Burden, ETH Zurich

Investigated the impact of retracted data on meta-analysis, by reproducing and replicating of meta-analysis to understand the change in the observed Intervention effect on removal of retracted data. The statistical analysis was conducted using R.

Nutrigenomics:A comparative analysis of the commercial claims & literature evidence

Oct. 2019 to Dec. 2019

Guided by Prof. Stephen Russmann, ETH Zurich

Critically analyzed the claims of the commercially available nutrigenomic panels and produced a comparative analysis based on the available literature evidence

Assessing the treatment response & non-response in Rheumatoid Arthritis

May 2019 to July 2019

Guided by Prof. Andrea Burden, ETH Zurich

Assessed the gap in existing measurement criteria used to dene response and nonresponse in Rheumatoid Arthritis patients treated with biologics, through extensive literature review of observational studies.

TAM receptors and their role in Phagocytosis

May 2017 to July 2017

Guided by Prof. Carla Rothlin, Yale School of Medicine

Khorana Scholar 2017, at Department of Immunobiology. Conducted Phagocytosis assay and immunostaining on Murine cell cultures to evaluate the role of TAM receptors in Phagocytosis. The funded research program provided hands-on training on Genotyping, animal handling , immunostaining, and Flow cytometry.

Non-invasive diagnostic tool for cancer diagnosis

Jan. 2017 to May 2017

Guided by Prof. Yogeeshwari, BITS-PILANI, Hyderabad

Designed the prototype for the rapid test kit & capillary tube based diagnostic tool using Cathepsin D as a biomarker for the Non-Invasive diagnosis tool for Breast cancer.

Awards

Khorana Scholar 2017 · Department of Biotechnology, Govt.of.India, IUSSTF and WSF.

May 2017

Selected as one among top 30 candidates from all over India for " Khorana Scholarship 2017 " ,to perform fully funded lab-based internship at top universities in USA.

Publications

Vallejo-Yague E, Keystone EC, Kandhasamy S, et al Primary and secondary non-response: in need of operational definitions in observational studies, Annals of Rheumatic diseases,2021

Volunteering

ETH Entrepreneur Club · Content Team - Incube 2019
Zurich

May 2019 to Feb. 2020

Designed the content, challenges and organized workshops for the design thinking competition, Incube 2019.