

SAADIA SHAREEN

House#33, Road#9/A, Dhanmondi R/A Dhaka, Bangladesh
+880 1906141450; saadiashareen1sels@iub.edu.bd
<https://www.linkedin.com/in/saadia-shareen/>

Research experience in cancer immunobiology. Interested in research of the emerging immunotherapeutics and their side effects. Ability to collect, analyze data and effectively communicate research results. Highly interested in teaching and research in epidemiology, immunology and cancer awareness.

EDUCATION

MPH	North South University, School of Public Health <i>Major: Epidemiology and Biostatistics</i> <i>Thesis: "Psychological impact on undergraduate university student in Bangladesh due to the COVID-19 pandemic"</i>	May 2018 - Oct. 2020 CGPA: 3.76 /4.00
MSc	University of Nottingham, School of Medicine <i>Major: Cancer Immunology and Biotechnology</i> <i>Thesis: "Role of Adenosine on Maturation and Polarization of monocyte derived dendritic cells."</i>	Sept. 2016 - Sept. 2017 Passed with Merit (3.14/4)
BSc	North South University, School of Health and Life Sciences <i>Major: Biochemistry and Biotechnology</i> <i>Thesis: "Respiratory failure in Gullian Barré Syndrome (GBS): Prevalence and Risk Factors"</i>	Jan. 2011 - Dec. 2014 CGPA: 3.87/4.00 Summa Cum Laude

RESEARCH AND TECHNICAL EXPERIENCE

Research Associate <i>CIPPR,B (Centre for Injury Prevention and Research, Bangladesh)</i> <ul style="list-style-type: none">Leading a team in conducting literature review, developing protocol, In depth data extraction.	Aug. 2020 - present
Research Assistant <i>ICDDR,b (International Centre for Diarrhoeal Disease Research, Bangladesh)</i> <i>Health system and population studies division (HSPSD)</i> <ul style="list-style-type: none">Managing articles for systematic review, data screening, data management and literature review	Sept. 2020 - Dec. 2020
Research Assistant <i>UBC (University of British Columbia)</i> <i>Department of Microbiology and Immunology</i> <ul style="list-style-type: none">Aimed to develop a highly sensitive method to isolate photocurrent signals on protein-modified electrode surface interface.	Oct. 2018 – Dec. 2018
Graduate Researcher <i>University of Nottingham</i> <ul style="list-style-type: none">Obtained training for cell culture of CHO (Chinese Hamster Ovary) cells.Passaged and maintained MM418 (Melanoma cell lines).Carried out PBMC (Peripheral Blood Mononuclear Cells) isolation to isolate CD14+ cells to differentiate to monocyte derived DCs (Dendritic Cells).Investigated the effect of IL-12 production at different concentration of adenosine analogue (NECA).Characterized the effect of NECA on maturation marker CD80, CD86 and HLA-DR using flow cytometry.	Jan. 2017 – Sept. 2017

- Analyzed, summarized experimental results also maintained relevant databases and records.

Research Technician

Feb. 2015 - July 2015

North South University

- Instructed molecular biology laboratory course (BBT310).
- Mentored 3 undergraduate student research projects in microbial molecular biology and immunology.

Research Intern

May 2014 – Jan. 2015

ICDDR,b (International Centre for Diarrhoeal Disease Research, Bangladesh)

- Investigated socio demographic, clinical and biochemical risk factors for respiratory failure in patients with Guillain Barré Syndrome (GBS).
- Additionally, carried out PCR, Gel electrophoresis and blood preparation.

RESEARCH PUBLICATION:

- Noor R., **Shareen S.** "COVID-19 vaccines: deducing their effectiveness against the emerging severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and the emerging SARS-CoV-2 variants" **Current Clinical Microbiology Reports**,(Submitted EMID:35fff28015a906a7). **2021**
- Abedin M., **Shareen S.**,Wahab A ., Rahman N F., Omi FR., Rakhshanda S.,Islam L. , Mayaboti A C., Saha K U., Faruque F.,Fletcher M L., Mashreky S., " The impact and variability of social determinants of health on the transmission and outcomes of COVID-19 across the world: a systematic review protocol" **BMJOpen** (submitted bmjopen-2021-053481) . **2021**

TEACHING EXPERIENCE :

Lecturer (Full - Time)

Jan. 2021 - present

School of Life Sciences,

Independent University Bangladesh (IUB)

- BIO 100 Discoveries in Biology
- BIO 102 Biology and Society
- BCB 409 (Nutrition, Metabolism and Disease)
- BCB 450 Senior project and internship

Adjunct Lecturer

May 2018 - Dec. 2020

School of Life Sciences,

Independent University Bangladesh (IUB)

- Taught BIO 100, an undergraduate course averaging 110 students per semester, covering the major topics such as: cells and molecules, Immune and Immunity, Introduction to Genetics and Biotechnology

Senior Science Teacher

July 2015 - Aug. 2016

Mastermind International School

- Developed curricula for the year.
- Attended workshops on class control, how to make lectures engaging and teaching techniques.
- Set integrative question papers, graded assignments.

Teaching Assistant

May 2012 - Dec 2014

North South University

- Assisted in teaching in courses Proteins and Enzymes (BBT206) and Immunology I

- (BBT303) mainly.
- Evaluate student quizzes, tabulated marks and invigilated exams.

ADMINISTRATIVE EXPERIENCE

Research Advisor July 2020

Cancer awareness foundation Bangladesh

- Working with a team of professionals to develop and conduct workshop to propagate awareness regarding prevention of cancer among various age groups.

Treasurer (Executive Body) 2012 - 2013

*Life Sciences Club,
North South University*

- Developed and prepared budgets and monitored expenditures of the club.
- Arranged various workshops, bio-fair and departmental tours.

LABORATORY AND TECHNICAL SKILLS

- Isolation of PBMC
- Cell culture
- PCR and gel electrophoresis
- ELISA
- Immunostaining
- Flow cytometry
- Referencing software (Mendeley, Endnote)
- SPSS (statistical analysis tool)
- Flowjo
- Graphpad prism
- R (statistical analysis tool)
- STATA

HONORS AND AWARDS

Merit Scholarship (50%) 2018 - 2020

North South University

Awarded to highly achieving and promising student in graduate studies (MPH)

Developing Solution Scholarship 2016

University of Nottingham

The Developing Solutions Scholarships are designed for academically outstanding international students who want to pursue a master's degree in the University of Nottingham and make a difference to the development of their home country.

Summa Cum Laude 2015

North South University

Degree earned with the highest distinction from North South University.

Merit Scholarship (up to 100%) 2012 - 2014

North South University

Scholarship awarded for academic excellence.

TRAINING AND WORKSHOPS

"Capacity Building of Higher Education Teachers of Bangladesh on Open Educational Resources and Online Education" Organized by UGC and funded by Commonwealth of Learning (COL) 2021

Introduction to GO.Data – Filed data collection, chains of transmission and contact follow up (online) 2020
World Health Organization (WHO)

Grant proposal workshop 2019
North South University

Student leadership development workshop 2014
Bangladesh Center for Communication program (BCCP)

EXTRACURRICULAR ACTIVITIES

Volunteer 2020
Institute of Epidemiology Disease Control And Research (IEDC,R)

- Screen the symptomatic COVID patients over telephone; guide the patients with the important and relevant information to reduce the transmission.

Poster Presentation 2014
Dhaka University

- Create awareness of motor neuron disorders focusing on amyotrophic lateral sclerosis (ALS) in poster presentation competition.

Poster Presentation 2013
Biochemistry Olympiad

- Awarded best poster presentation on the science of conjoint twins, Dhaka.