

**Brac University**  
Summer 2020



A short online course on  
Toolbox for Success: **Basic Research Skills**  
Organized by the  
**Department of Pharmacy**  
**Brac University**  
Lead Instructor: Dr. M. Zulfiquer Hossain



## Course Details

8 sessions in this module:

Every Saturday starting from 4th July 2020

08:00 PM to 09:30 PM

## About the Course

Research plays an increasingly important role in this modern information age. Research is no longer limited to academia where investigators use the scientific method to uncover insights into the natural and social world around us. Physicians use the best available research evidence in making decisions about the care of individual patients. Regulatory bodies rely on the results of carefully designed clinical trials to decide whether to approve a vaccine or a drug. Research drives the policy- and decision-making process in both the public and private sectors. Industry leaders use research findings to increase productivity and promote growth. Consciously or not, we use research in our everyday lives, too. For example, we research alternate products before making purchase decisions. A sound understanding of the research process not only empowers us in our professional lives but also enriches our personal lives. It helps us become more intelligent consumers of information and better-informed citizens. In this short course, we will introduce the scientific method, modes of reasoning as well as qualitative and quantitative approaches to research. We will also explore how to get ideas for research, design and execute an investigation, and finally analyze, interpret, and report the results in scientific papers. This basic course is intended to provide students with a foundation in research skills, encourage them to explore further on their own, and equip them for success in their research endeavors.

## About the Lead Instructor

Dr. Hossain received his B.S. in Biology and Biochemistry from Brandeis University and his Ph.D. in Molecular Medicine from the University of Maryland under the Graduate Partnerships Program (GPP) with the National Institutes of Health (NIH). He completed his postdoctoral fellowship at the Johns Hopkins University. His research has been published in high impact journals like Cell Stem Cell, Nature Immunology, and Oncotarget. As a Research Technology Specialist with MilliporeSigma, Dr. Hossain supports cutting-edge functional genomics, proteomics, and advanced cell culture technologies, generates application data, and leads technical seminars and workshops.

## Registration Details

Please use the following link to get registered for the course

<https://forms.gle/4B7XkuTnYAvKTaaD8>

