



# Introduction to Clinical Research Training Program

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*DUBAI*



**HARVARD**  
MEDICAL SCHOOL

Postgraduate  
Medical Education

APPLY AT [HMS.HARVARD.EDU/ICRT](https://hms.harvard.edu/icrt)

The background of the slide is a solid dark red color, overlaid with a repeating pattern of the Harvard University crest in a lighter red shade. The crest features a shield with a book, a lamp, and a star, topped with a crest of a bent arm holding a sword. The text is white and positioned on the right side of the slide. A large white quotation mark is on the left, with a vertical white line extending from it.

*“This program was an absolutely incredible experience. The enthusiasm, level of expertise and knowledge in the room has been absolutely amazing.”*

**SADEQ QURAIISHI, MD, MHA, MMSC**

*Assistant Professor of Anesthesia  
Harvard Medical School  
Massachusetts General Hospital*

## From the Senior Associate Dean

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The Harvard Medical School Introduction to Clinical Research Training program is a tremendous opportunity for those interested in a skills-based primer focused on modern clinical research. This intensive program is ideal for health care professionals launching a clinical research career who need the knowledge and skills to successfully tackle clinical projects in their local research environment. Similarly, those wishing to improve their ability to synthesize and interpret the increasingly complicated medical literature will find this program to be an invaluable experience.

The course utilizes an innovative, blended-learning approach. Two face-to-face workshops, each three days in length, flank the six-month core curriculum, combining traditional live teaching methods with online instruction, team projects and interactive webinars. This unique mix of individual and cooperative learning provides each student with strong critical thinking skills, while also exposing them to the challenges and opportunities of collaborative research efforts.

Over the last century, remarkable advances have been made in the prevention and treatment of human disease. Superbly trained physician-scientists have been at the heart of these efforts. The program aims to foster further advancement by bringing this unique training to the next generation of leaders, providing an unparalleled foundational program from which participants can launch an exciting and rewarding research career.



**Ajay K. Singh, MBBS, FRCP (UK), MBA**  
Senior Associate Dean for  
Postgraduate Medical Education  
Harvard Medical School

## Program Overview

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The ability to perform, interpret and discuss clinical research are essential attributes for the modern health care professional. The Introduction to Clinical Research Training program is specifically designed to meet these needs and will provide outstanding training in the core competencies required to perform human investigation.

The program's blended-learning style harnesses the immense power of interactive web-based learning and combines it with face-to-face, team- and individual-based teaching methods. All instructional materials are prerecorded and available online, making this a truly global and continuously available virtual classroom. The program begins and ends with a three-day workshop, where students will interact with Harvard-based faculty and learn the art of critical thinking and problem-solving. The intervening curriculum is comprised of approximately 38 lectures, 17 webinars and team projects. Ongoing assessment occurs throughout the course and culminates with a final examination. Core subject matter includes modules in epidemiology, biostatistics, study design, ethics in research, evidence-based medicine and communicating scientific research.

Graduates of the Introduction to Clinical Research Training program will:

- Receive a Certificate of Completion from Harvard Medical School
- Have formed collaboration with peers along with strong teamwork
- Be equipped with the skills to launch a successful and fruitful research career

Learn more about the program on the web at [hms.harvard.edu/icrt](https://hms.harvard.edu/icrt)

# Program Objectives

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UPON COMPLETION OF THE PROGRAM, SCHOLARS WILL BE ABLE TO:

- Describe the core concepts of biostatistics and epidemiology pertaining to clinical research
- Develop a research question and formulate a testable hypothesis
- Write an organized and structured research manuscript
- Critically evaluate the medical literature
- Perform basic statistical analyses using Stata software

## + KEY FEATURES

- Faculty from Harvard Medical School and other leading academic institutions
- Blended approach of online and interactive teaching
- Team-based learning
- 24/7 access to online learning material

## + OVERALL STRUCTURE

- Online lectures covering topics in epidemiology, biostatistics, study design, scientific writing, dissection of scientific papers, management and leadership
- Interactive webinars designed to expand or review lecture topics
- Two skills-based workshops that offer a mix of didactic and practical exercises and are designed to promote collaborations and team approaches to solving research problems
- Individual and team assignments which reinforce lecture topics and allow students to practice skills

# Curriculum

## LEARNING MODEL

### BLENDED LEARNING

The blended-learning approach combines the traditional face-to-face teaching methods of workshops and recorded online lectures supported by interactive webinars, to form an integrated instructional approach.

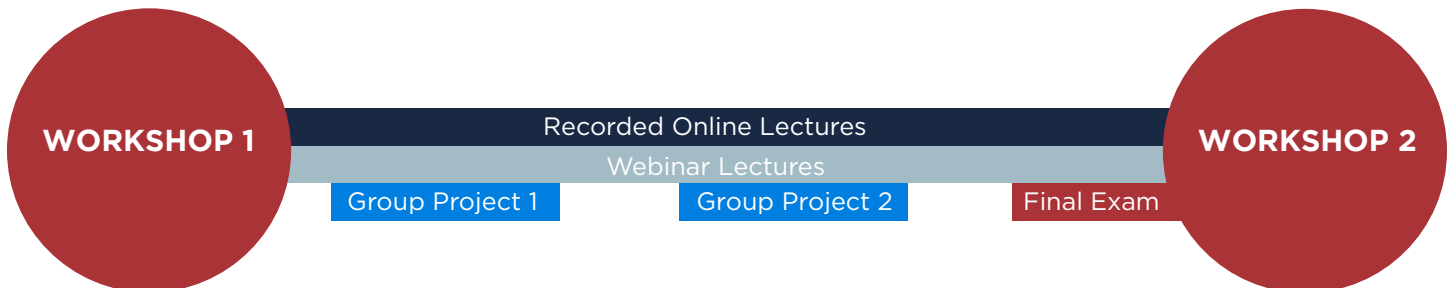
### TEAM-BASED LEARNING

Because collaboration is a critical ingredient in scientific discovery, students will learn how to work in teams and develop networks. Students are divided into globally diverse groups to collaborate with each other on assignments.

## PROGRAM STRUCTURE

The interactive workshop curriculum will focus on hands-on development of clinical research skills. Key elements of the workshop will include practical exercises in manuscript and research proposal development, critical assessment of the medical literature, and practical training in statistical software using real-life data sets. In addition we provide training in mentorship, academic career development, leadership and create a comfortable active learning environment where opportunities for knowledge retention and networking abound.

## PROGRAM STRUCTURE



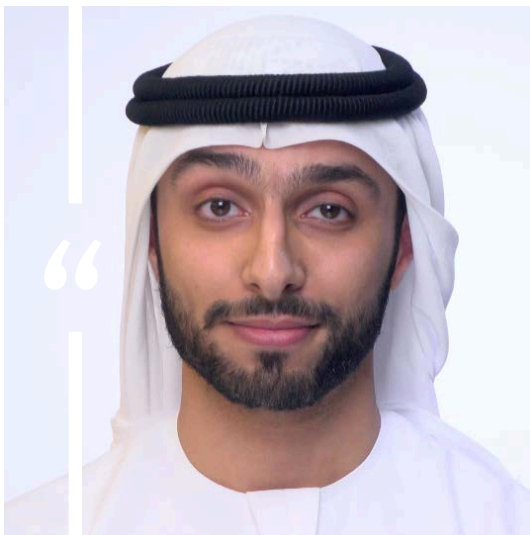
## Who Are We Looking For?

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Candidates with an MBBS, MD, PhD, DMD, DDS, PharmD, DNP, DPT, RD or equivalent degree with an interest in gaining skills and knowledge in clinical research.

*“Introduction to Clinical Research Training helped me a lot in adding to the technical capacity for my work. There was a lot of networking and great exposure as well.”*


*NADA ABU KISHK, MS*



“Research, in its essence, is a team building exercise. It’s an opportunity to collaborate. I can safely say that if you want to get a core, fundamental introduction to research, ICRT is the way to go.”

*OMAR SHEHAB, MBBS*





*I found ICRT to be fertile ground for collaboration, networking and building bridges all over the world. The participants' varied skillsets presented many opportunities to exchange and improve our knowledge of clinical research.*

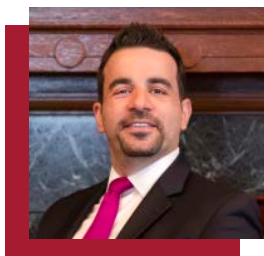
**LUKMAN ABDURRAHIM, MBBS**

*Chief Resident, Pediatrics  
Hamad Medical Cooperation  
Qatar*



# Faculty

## PROGRAM DIRECTOR



**EBRAHIM BARKOUDAH, MD MPH FACP SFHM**  
Assistant Professor of Medicine at Harvard Medical School  
Associate Director, Hospital Medicine Unit  
Medical Director, Brigham and Women's Hospital

## WORKSHOP FACULTY

**Ann Miller, PhD, MPH**  
Research Associate, Department of Global Health and Social Medicine, Harvard Medical School  
Infectious Disease Epidemiologist, Harvard T.H. Chan School of Public Health

**Nina Paynter, PhD**  
Assistant Professor of Medicine, Harvard Medical School  
Brigham and Women's Hospital

**Sadeq A. Quraishi, MD, MHA, MMSc**  
Assistant Professor of Anesthesia, Harvard Medical School  
Anesthesiologist and Intensivist, Massachusetts General Hospital

## ONLINE FACULTY

**Heather J. Baer, ScD**  
Assistant Professor of Medicine, Harvard Medical School  
Assistant Professor of Epidemiology, Harvard T.H. Chan School of Public Health  
Associate Epidemiologist, Brigham and Women's Hospital

**Gary Curhan, MD, ScD**  
Professor of Medicine, Harvard Medical School  
Professor in the Department of Epidemiology, Harvard T.H. Chan School of Public Health

**Sushrut S. Waikar, MD, MPH**  
Associate Professor of Medicine, Harvard Medical School  
Director of Renal Translational Research, Brigham and Women's Hospital

**Kenneth B. Christopher, MD, SM**  
Assistant Professor of Medicine, Harvard Medical School  
Assistant Program Director, Internal Medicine Residency Training Program, Brigham and Women's Hospital

**Brian Healy, PhD**  
Assistant Professor of Neurology, Harvard Medical School  
Assistant Professor in Biostatistics, Harvard T.H. Chan School of Public Health

**David Wypij, PhD**  
Associate Professor of Pediatrics, Harvard Medical School  
Senior Lecturer on Biostatistics, Harvard T.H. Chan School of Public Health  
Director, Statistics and Data Coordinating Center, Department of Cardiology, Boston Children's Hospital

**Susan Z. Kornetsky, MPH**  
Director of Clinical Research Compliance, Boston Children's Hospital

# Admissions

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## ELIGIBILITY REQUIREMENTS

Applicants for the ICRT program must have an MD, PhD, MBBS, DMD, DDS, PharmD, DNP or equivalent degree.

## APPLICATION DEADLINES

Please visit our website for the most up-to-date information on admissions.

Once you are accepted to the program, payment is required either in full or through a payment schedule. A 10 percent deposit by the deposit deadline date secures your place in the program.

Email [icrt@hms.harvard.edu](mailto:icrt@hms.harvard.edu) with any further questions

VISIT [HMS.HARVARD.EDU/ICRT](https://hms.harvard.edu/icrt) FOR MORE INFORMATION.



## Scholarships



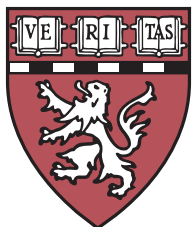
مؤسسة دبي هارفارد  
للأبحاث الطبية  
DUBAI HARVARD FOUNDATION  
FOR MEDICAL RESEARCH

The Dubai Harvard Foundation for Medical Research offers a limited number of partial scholarships to selected candidates. Priority is given to candidates from the United Arab Emirates (UAE), but candidates from the Gulf Cooperation Council (GCC) and Middle East and North Africa (MENA) regions, regardless of nationality, will also be considered. These scholarships are awarded on a basis of merit and need.

*“The Introduction to Clinical Research Training program was like a new starting point in my career.”*

**AHMED YOUSSEF IBRAHIM**  
EBDV, MSC, MBBS  
Dermatology Specialist  
Cosmetic Surgery Clinic Kuwait





# INTRODUCTION TO CLINICAL RESEARCH TRAINING PROGRAM DUBAI

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## CONTACT US

4 BLACKFAN CIRCLE  
4<sup>TH</sup> FLOOR  
BOSTON, MA 02115

EMAIL: [icrt@hms.harvard.edu](mailto:icrt@hms.harvard.edu)  
WEB: [hms.harvard.edu/icrt](https://hms.harvard.edu/icrt)

