



Global Clinical Scholars Research Training Program

*Advanced training the in methods
and conduct of clinical research*



HARVARD
MEDICAL SCHOOL

Postgraduate
Medical Education

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

Letter from the Dean

In the rapidly evolving field of health science, you need an authoritative partner that can help you keep pace with medicine's latest trends and developments. At Harvard Medical School, we set the gold standard for postgraduate academic excellence, while meeting the needs of the global health care community, through our Postgraduate Medical Education programs.

Designed for clinicians and clinician-scientists in both the United States and abroad, our Global Clinical Scholars Research Training (GCSRT) program provides advanced training in health care research methods. Using a blended learning model that incorporates online tools, in-person seminars and dynamic workshops, the comprehensive curriculum is focused on enhancing your ability at every stage of the research process– from writing grant proposals and launching new projects to analyzing data and presenting your results.

We invite you to join our world-renowned network of clinician-scientists and researchers, as we reinvent the way that physicians, clinicians and clinician-scientists learn. We hope you will join us for this exceptional educational experience.

Sincerely,

David H. Roberts, MD
Dean for External Education
Harvard Medical School

Ajay K. Singh, MBBS, FRCP, MBA
Senior Associate Dean
Postgraduate Medical Education
Harvard Medical School

Program Overview

A one-year program, GCSRT combines online learning with three intensive, residential workshops that are designed to offer a mix of traditional and innovative approaches. Each month you also will participate in five to six interactive webinars—including review sessions by faculty and special seminars from leading experts—and have access to nearly 85 prerecorded online lectures.

Our flexible cohort model allows you to choose the residential workshops that are most convenient for you.

WORKSHOP DATES



BOSTON COHORT

Workshop 1: Jun. 20–23, 2020

Workshop 2: Dec. 2–5, 2020



LONDON COHORT

Workshop 1: Jun. 24–27, 2020

Workshop 2: Dec. 12–15, 2020



SHANGHAI COHORT

Workshop 1: Jun. 28–Jul. 1, 2020

Workshop 2: Dec. 16–19, 2020

WORKSHOP 3: MAY 21–25, 2021

CERTIFICATE AWARD CEREMONY: MAY 25, 2021 (BOSTON)

Upon fulfilling the GCSRT program requirements, you will receive a Certificate of Completion. You also will become an Associate Member of the Harvard Medical School and Harvard University Alumni Association, and will be invited to attend GCSRT program alumni events throughout the year.

Program Objectives


In this immersive program, you will explore the latest advancements and best practices in clinical research—improving your ability to drive health care innovation and achieve better outcomes. Throughout the program, you will learn alongside a talented group of peers from around the world, collaborating to create a deeper and more enduring understanding of the topics.

By attending GCSRT, you will enhance your ability to:

- Design and perform observational and experimental clinical research
- Analyze, interpret and present clinical research data
- Write and revise successful grant proposals
- Lead clinical teams across a variety of health care settings



Learners collaborating at a recent GCSRT workshop.



GCSRT presents us with unique challenges. We collaborate not just across the continent but also around the world—from San Francisco to the United Arab Emirates, from the United Kingdom to Trinidad. However, regardless of our locales, we all face the same challenges as physicians. This state-of-the-art education has fully prepared me for the challenges I will face as the world becomes an increasingly smaller place.

Sunil Saith, MD

Keck School of Medicine
University of Southern California
Los Angeles, California

Program Themes

The program curriculum features five to six interactive webinars each month, as well as approximately 85 prerecorded online lectures. In addition to the core coursework, you can personalize your experience by choosing an elective and a concentration that align with your interests.

The program's core curriculum falls under three primary themes:

CLINICAL LEADERSHIP IN MEDICINE

Expand your leadership abilities and acquire the skills and frameworks you need to:

- Manage a health care team in diverse clinical settings
- Pilot successful collaborations within and outside your group
- Navigate the complexities of the institution
- Manage conflicts that arise in a high-stakes environment

ADVANCED STATISTICAL TOOLS

Learn to utilize Stata statistical software and other advanced computing methods for:

- Analyzing longitudinal data
- Modeling regression and survival analysis
- Representing polynomial trends for time (e.g. linear or quadratic) and linear mixed-effects models
- Identifying missing data in longitudinal and cross-sectional analysis
- Generating polished figures and tables



CONCENTRATIONS

Clinical Trials
Epidemiology

ELECTIVES

Drug Development
Secondary Analysis of Clinical Trials
Survey Design

RESEARCH ETHICS

Examine common challenges in the conduct and review of biomedical human subjects research, including:

- Evolution of ethical codes and regulations
- Responsibility of physicians as investigators
- Preparation of the research protocol application and informed consent documents
- Challenges of conducting research involving children and adolescents



EXAMINATIONS

To demonstrate proficiency, you must pass two multiple-choice question exams.

CAPSTONE PROJECT

For the GCSRT Capstone Project, you will write a formal proposal based on an original research question. Faculty and peers will provide feedback on your work throughout the process.

Once completed, the Capstone Projects will be ranked by a faculty panel. The authors of the top proposals will be invited to present at the final workshop in Boston.

Faculty

The GCSRT program is led by distinguished senior faculty members from Harvard Medical School, Harvard T.H. Chan School of Public Health and other prominent academic institutions. All faculty members are experts in their fields and draw on the latest literature and their practical experience to address common challenges encountered in clinical research.

PROGRAM DIRECTORS

Ajay K. Singh, MBBS, FRCP, MBA

Associate Director, GCSRT Program

Senior Associate Dean, Postgraduate Medical Education

Associate Professor of Medicine, Harvard Medical School

Director, Master in Medical Sciences in Clinical Investigation Program

Dr. Singh is the director of the Master in Medical Sciences in Clinical Investigation program, head of Postgraduate Medical Education at Harvard Medical School, and executive director of the Dubai Harvard Foundation for Medical Research. He has led groundbreaking studies in anemia of kidney disease, and is the author of more than 150 original contributions and review articles.

Kenneth B. Christopher, MD, SM

Associate Director, GCSRT Program

Assistant Professor, Harvard Medical School

Dr. Christopher is the Director of the Nathan E. Hellman Memorial Laboratory and Assistant Program Director of the Internal Medicine Residency Training Program at the Brigham and Women's Hospital. A widely published author and international speaker, he is a two-time winner of the Annual Scientific Award from the Society of Critical Care Medicine.

Ebrahim Barkoudah, MD, MPH, FACP, SFHM

Associate Director, GCSRT Program

Assistant Professor of Medicine, Harvard Medical School

Dr. Barkoudah is the Medical Director at Brigham and Women's Hospital. An esteemed internist and researcher, his work is focused on quality improvement and clinical innovation, as well as clinical research outcomes and clinical trials of therapeutic interventions.

WORKSHOP FACULTY

Heather 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

Julie Buring, ScD
Professor of Medicine, Harvard Medical
School
Professor of Epidemiology, Harvard T.H.
Chan School of Public Health

Niteesh Choudhry, MD, PhD
Professor of Medicine, Harvard
Medical School
Associate Physician, Division
of Pharmacoepidemiology and
Pharmacoeconomics and the
Hospitalist Program, Brigham and
Women's Hospital

Brian Claggett, PhD
Assistant Professor of Medicine,
Harvard Medical School
Chief Statistician, Brigham and
Women's Hospital

Tim Clayton, MSc
Associate Professor, Department of
Medical Statistics,
London School of Hygiene &
Tropical Medicine

Ganmaa Davaasambuu, MD, PhD
Assistant Professor of Medicine,
Harvard Medical School
Assistant Professor, Harvard T.H. Chan
School of Public Health

Jeffrey Drazen, MD
Distinguished Parker B. Francis
Professor of Medicine, Harvard
Medical School
Pulmonary Division, Brigham and
Women's Hospital
Editor-in-Chief, *New England Journal of
Medicine*

John P. Forman, MD
Assistant Professor of Medicine,
Brigham and Women's Hospital

Vanessa Garcia-Larsen, PhD
Assistant Professor,
Johns Hopkins Bloomberg School of
Public Health

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

Miguel Hernán, MD, MPH, ScM, DrPH
Professor, Harvard T.H. Chan School of
Public Health
Faculty, Harvard-MIT Division of
Health Science and Technology

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

Eldrin Foster Lewis, MD, MPH
Associate Professor of Medicine,
Harvard Medical School
Director of the Cardiovascular
Clerkship Program, Brigham and
Women's Hospital

Sayeed K. Malek, MD, FACS
Clinical Director of Transplant Surgery
Physician Lead, Transplant QAPI,
Brigham and Women's Hospital
Assistant Professor of Surgery,
Harvard Medical School

Finnian Mc Causland, MBBCh, MMSc,
FRCPI, PG CertMedEd
Assistant Professor
Harvard Medical School

Melvyn Menezes, PhD, MBA
Associate Professor,
Boston University Questrom School
of Business

Sagar Nigwekar, MBBS
Assistant Professor of Medicine,
Harvard Medical School
Assistant Physician, Massachusetts
General Hospital

Faculty

WORKSHOP FACULTY CONT.

Julie Paik, MD, ScD, MPH
Assistant Professor of Medicine,
Harvard Medical School

Stuart Pocock, PhD
Professor of Medical Statistics at the
London School of Hygiene and Tropical
Medicine,
University of London

Jamie Roberston, PhD, MPH
Instructor in Emergency Medicine,
Harvard Medical School

Amil Shah, MD, MPH
Assistant Professor of Medicine,
Harvard Medical School
Cardiovascular Medicine Specialist,
Brigham and Women's Hospital

Aneesh Singhal, MD
Vice Chair, Department of Neurology,
Massachusetts General Hospital

Djóra Soeteman, PhD
Research Scientist, Center for Health
Decision Science,
Harvard T.H. Chan School of Public
Health

Thomas Trikalinos, MD, PhD
Associate Professor, Health Services,
Policy & Practice and Director,
Center for Evidence-Based Medicine,
Brown University School of Public
Health

Ruth Wageman, PhD
Visiting Scholar,
Department of Psychology,
Harvard University

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

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

ONLINE CURRICULUM FACULTY

Ethan Balk, MD, MPH
Associate Professor,
Brown University School of Public Health

Andrew Beam, PhD
Research Associate in Biomedical
Informatics,
Harvard Medical School

Maurizio Cecconi
Professor Anaesthesia and Intensive Care,
Humanitas Research Hospital

Michael Cho
Assistant Professor of Medicine,
Harvard Medical School

Stephanie Eckman, PhD
Fellow Survey Methodology,
RTI International

Garrett Fitzmaurice, ScD
Professor of Psychiatry (Biostatistics),
Harvard Medical School
Professor of Biostatistics, Harvard T.H.
Chan School of Public Health
Director of Laboratory for Psychiatric
Biostatistics, McLean Hospital

Chase Harrison, PhD
Associate Director, Harvard Program on
Survey Research, Harvard University
Preceptor in Survey Research, Faculty of
Arts and Sciences, Harvard University

ONLINE CURRICULUM FACULTY CONT.

Kathy Jenkins, MD, MPH
Professor of Pediatrics,
Harvard Medical School

Florian Keusch, PhD, MSc
Assistant Professor of Statistics and
Methodology,
University of Mannheim

S. David Kimball, PhD
Interim Senior Vice President, Office of
Research and Economic Development
Vice President, Innovation and Research
Commercialization,
Rutgers University

Maralee McVean, PhD
Vice President, Pharmacology and
Toxicology Services,
Pre-Clinical Research Services

Jessica Paulus, ScD
Assistant Professor of Medicine, Tufts
University
Investigator, Institute for Clinical
Research and Health Studies

Geoffrey Poitras, PhD
Professor of Finance,
Simon Fraser University

Paraneedharan Ramachandran, MD
Medical Safety Officer, Immunology
Janssen Pharmaceutical Companies of
Johnson & Johnson

Megan L. Ranney
Associate Professor of Emergency
Medicine,
Associate Professor of Health Services,
Policy and Practice, Brown University

Rebecca Rolland, EdD
Adjunct Lecturer on Education,
Harvard Graduate School of Education

Petra Sevcikova, PhD
Senior Research Fellow, Health Systems
Blizard Institute – Barts and The London
School of Medicine and Dentistry

R. Christopher Sheldrick, PhD
Associate Professor,
Boston University School of Public
Health

Priya Singhal, MD, MPH
Global Head and Senior Vice President,
Safety and Benefit Risk Management,
Biogen, Inc.

Mark Taubert, FRCP, MSc
Clinical Director/Consultant in Palliative
Medicine,
Honorary Senior Lecturer,
Cardiff University

Adrienne Tierney, EdD
Preceptor in Expository Writing,
Harvard University

Katrin Uhlig, MD, MS
Senior Medical Director,
Rare Genetic Diseases,
Agiros Pharmaceuticals
Adjunct Associate Professor,
Tufts University School of Medicine

Who Are We Looking For?

This program is designed for clinicians with an MD, PhD, DMD, DDS, PharmD, DNP or equivalent degrees. In most cases, qualified candidates will have prior clinical research or proposal preparation experience, and appeared in at least one publication.

GCSRT is truly a global program: The latest cohort of students represented 44 countries, including the United States, Canada, United Kingdom, India, Italy and many more. Past student participants have included chief physicians, directors, fellows, scientists and specialists. Most students have authored or contributed to research publications. Clinicians, residents and lecturers who demonstrated strong career interest in clinical research on their application materials also were admitted to the program.

Testimonials

The first workshop in London of the GCSRT program was extraordinary. The successful three-day collaboration of these accomplished health professionals from so many countries, ages and backgrounds, working together in teams through the application of concepts and the designing of studies, was matched only by their clear enthusiasm for the process. As a faculty member, it was without doubt one of my most enjoyable and rewarding teaching experiences.

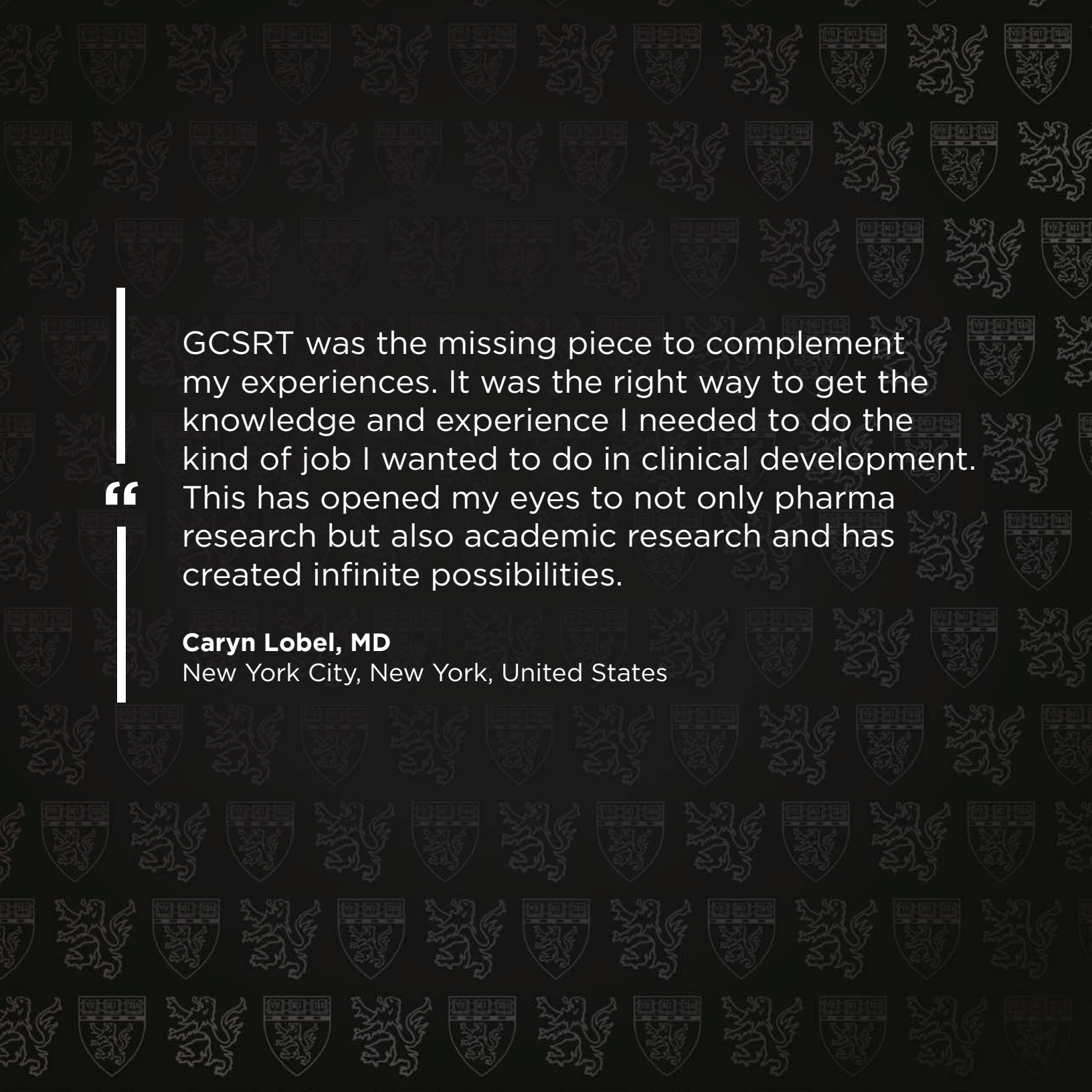
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Julie Buring, ScD, GCSRT Program Faculty
Professor of Medicine
Harvard Medical School
Professor of Epidemiology
Harvard T.H. Chan School of Public Health
Boston, Massachusetts

Online classes open up unique opportunities for individuals in my situation. Most participants have full-time jobs and busy careers. I am very happy to be working with other members in my team. Lifelong learning is crucial to stay abreast in the everchanging field of medical science. This course is helping me and other participants obtain the tools to become better clinicians and researchers.

Lubna Mirza, MD
Norman Regional Hospital
Norman, Oklahoma

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The background of the entire image is a dark grey field covered with a repeating pattern of light grey crests. Each crest is a shield-shaped emblem featuring a lion rampant on the left and a chevron with three stars on the right. The crests are arranged in a staggered grid.

GCSRT was the missing piece to complement my experiences. It was the right way to get the knowledge and experience I needed to do the kind of job I wanted to do in clinical development. This has opened my eyes to not only pharma research but also academic research and has created infinite possibilities.

Caryn Lobel, MD

New York City, New York, United States

Admissions

APPLICATION DEADLINES

Please check our website for the most up-to-date program deadlines.

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.

Tuition includes facility fees for the three workshops and access to all four lecture modules (summer, fall, winter and spring). Fees do not include supplemental books, supplies, software or workshop travel and accommodation expenses.

ADDITIONAL APPLICATION AND REGISTRATION INFORMATION IS
AVAILABLE ONLINE AT: **[HMS.HARVARD.EDU/GCSRT](https://hms.harvard.edu/gcsrt)**



GLOBAL CLINICAL SCHOLARS RESEARCH TRAINING PROGRAM

CONTACT US

4 BLACKFAN CIRCLE
4TH FLOOR
BOSTON, MA 02115

EMAIL: gcsrt@hms.harvard.edu
WEB: hms.harvard.edu/gcsrt

