



PUBLIC
HEALTH
FOUNDATION
OF INDIA



Integrated MSc & PhD in Clinical Research

AUGUST 2013 SESSION

Venue: Indian Institute of Public Health - Delhi

Integrated MSc & PhD in Clinical Research

BACKGROUND

Clinical Research is a systematic way of examining clinical conditions and outcomes, to establish relationships among clinical phenomena, to generate evidence for decision making and to provide impetus for improving methods of practice. It is a structured process of investigating and exploring facts and theories as applied to the patients and situations encountered in practice. It also involves a systematic study of new drugs in human subjects to generate data for discovering or verifying the clinical, pharmacological (including pharmaco - dynamic and pharmacokinetic) or adverse effects with the objective of determining safety and efficacy of the new drug. As a signatory to the WTO agreements, India is looked upon a destination for conducting clinical research. With the rapid growth of the global pharmaceutical market it is estimated that more than 250,000 positions are vacant worldwide for people trained in clinical research and more than 50,000 professionals will be needed in India in this field. It is critical that such personnel have received quality training to take on this important profession.

Public Health Foundation of India (PHFI) in collaboration with Academy of Scientific and Innovative Research (AcSIR) brings you this unique opportunity in furthering your career in the area of clinical research, through the Integrated MSc & PhD program.

DEGREE AWARDING AND REGISTERING BODY

The MSc & PhD (in clinical research) programme will be jointly conducted by PHFI and AcSIR and the degrees will be awarded by Academy of Scientific and Innovative Research (AcSIR). For more information visit <http://acsir.res.in>

PROGRAM STRUCTURE

Masters in Clinical Research

The MSc program in Clinical Research is an intensive 2 year, full time program focusing on the scientific, ethical and operational issues related to clinical research. Four semesters will be completed in 24 months. First three semesters include class room based, face to face teaching, tutorials and practical. The final semester includes 6 months of internship cum project work (dissertation). The student needs to complete 11 compulsory core courses (modules), 4 elective courses (modules) in 18 months and submit an internship completion certificate to be awarded the MSc degree.

PhD in Clinical Research

The students who complete the Master's program with a CGPA of 8 and above will be eligible for the PhD program. A formal application needs to be submitted which will be screened & enrolment will be finalized by the PhD screening committee. The PhD program is 3 year full time

and project based. The research topic for PhD will be developed under the guidance of mentors from PHFI and AcSIR. The students are free to choose any topic of their interest ranging from basic sciences to community based studies. The student can be allocated to any of the CSIR laboratories in India depending on the thesis topic.

VENUE OF THE PROGRAM

The program will be conducted at
Indian Institute of Public Health - Delhi
Plot No. 34, Sector 44, Institutional Area,
Gurgaon - 122002 Haryana

PROGRAM ADMINISTRATION AND LANGUAGE

The program is being offered from the Indian Institute of Public Health – Delhi (IIPH-D), Public Health Foundation of India (www.phfi.org). The main language of instruction would be English.

PROGRAM CONTENTS

The multi disciplinary curriculum that will be covered under the core courses (modules) include: Basic epidemiology, Basic bio-statistics, Clinical trials-Design and analysis, Conduct and Operational issues in clinical trials, Bio-ethics and regulatory affairs, Systematic reviews, Proposal development and Medical writing, Data management, Drug discovery, Pharmacovigilance and Project management. Under the elective courses we offer various areas that will fall under Research methods, Statistics and Laboratory sciences. Please visit (www.phfi.org) to know more about the course (module) information of this program.

Following are the core skills acquired by the candidate at the end of the Master's program:

- Conducting literature search using electronic databases
- Develop a grant application
- Prepare for ethics and regulatory approvals
- Designing observational and interventional studies
- Developing and executing statistical analysis
- Developing data collection tools and designing a database
- Conduct a systematic review

TARGET AUDIENCE AND ENTRY REQUIREMENTS

This program is relevant to those wishing to gain an in depth understanding of research methods & also keen to specialize in specific areas- either laboratory based or hospital based or community based research.

Minimum Academic Qualifications

- Applicants with graduate qualifications in: medical and allied fields like dentistry, AYUSH (Ayurveda, Yoga, Unani, Siddha and Homeopathy), pharmacy, physiotherapy, nursing and veterinary science.

- Applicants with graduate qualifications in: biological and life sciences (microbiology, biochemistry, biotechnology, botany, zoology), basic sciences (chemistry), occupational therapy and bio-statistics.

All applicants should have basic computing skills and proficiency in English.

SELECTION PROCESS

All candidates should submit the application form for the integrated MSc & PhD program in the prescribed format. The application consists of registration form, proof of academic credentials, work experience, contact details of 3 referees and statement of purpose. The applications will be short-listed based on their academic qualifications, relevant experience and statement of purpose. This will be followed by a face to face or telephonic interview. The selection of candidates will be executed by a specially constituted screening committee represented by Public Health Foundation of India and Academy of Scientific and Innovative research. Decisions taken by the selection committee will be final. The selection into the 5 year program does not guarantee entry into PhD program. Selection for PhD will be made strictly on the basis of merit and performance in the MSc program.

The final selection of the candidate is based on qualifications, relevant experience, statement of purpose and interview. The weightage for each component will be as follows:

Qualifications	-	30%
Relevant experience	-	30%
Statement of purpose	-	10%
Interview	-	30%
Total	-	100%

Decisions taken by the selection committee will be final.

TEACHING AND TRAINING METHODOLOGY

The course utilizes a variety of teaching/learning techniques, which includes lectures, group discussions, student presentations, hands on practice in statistical soft wares in computer labs, basic sciences laboratory, workshops and field visits. During the internship the students will get an opportunity to engage in research related activities that could be based in a community, hospital or a laboratory.

FACULTY

A team of specialist faculty from diverse streams, from Public Health Foundation of India and Academy of Scientific and Innovative Research would be engaged in teaching. The students will also be exposed to lectures delivered by invited faculty of national and international acclaim. Guides will be identified from both the organizations for mentoring during the internship and project work.

CREDIT AND EVALUATION SYSTEM

The program will follow a credit system consistent with AcSIR norms. Credits are awarded for successful completion of each course (module) and thesis. A total of 64 credits need to be earned for awarding the degree. Student evaluation for each course (module) would be through a concurrent internal assessment during course work (that includes assignments, attendance and class room participation) and marks scored in the end of semester proctored examination. The weighted average of both will contribute to the course (module) GPA. A detailed evaluation framework will be provided to the students before the beginning of the course.

PROGRAM FEES

The fee structure for MSc (Clinical Research) program for the candidates in the year 2013-14 will be as follows:

For Indian Nationals

1. Tuition Fee: The annual tuition fee for the academic year 2013-14 is INR 1.25 Lakhs per student.
2. Hostel Fee: The hostel fee per student will be INR 1.25 Lakhs for one year (Hostel fee covers accommodation and food). Hostel facility is optional.

For International Candidates

1. Tuition Fee: The annual tuition fee for the academic year 2013-14 is USD 4,600 per student.
2. Hostel Fee: The hostel fee per student will be USD 2,400 for one year. (Hostel fee covers accommodation and food). Hostel facility is optional.

Scholarship: Limited number of scholarships for MSc may be awarded for the deserving and meritorious candidates, subject to availability of funds.

PLACEMENT OPPORTUNITIES

The internship during the MSc program would provide the candidate with an opportunity to interact with potential researchers. The setting may be a hospital, research organization or a pharmaceutical industry. The placement cell will also strive to arrange for campus interviews with companies in clinical research pursuits. However, no formal guarantee will be provided to any candidate regarding future job selection after the completion of the program.

ABOUT PUBLIC HEALTH FOUNDATION OF INDIA (PHFI)

PHFI, a public-private partnership endeavour is a large uniquely designed & sustainable response to the service shortfall of public health professionals in India. PHFI was launched on March 28, 2006 at New Delhi. It is autonomously governed and is managed by a fully empowered, independent governing board that is represented by multiple constituencies- government, philanthropists and leading Indian and international professionals.

The PHFI's charter includes setting up of institutes for

Integrated MSc & PhD in Clinical Research

public health education and training, assisting in the enhancement of capacity of existing public health training institutions, pursuing vigorous research and advocacy efforts on public health and related issues. Please visit www.phfi.org for more information.

Indian Institute of Public Health- Delhi is one of the four academic institutions under PHFI. The institute is actively involved in conducting academic programs- both regular and distance learning. Apart from Clinical Research, it also offers regular courses on Public Health Management, Health Economics and Financing; and online courses in Epidemiology, Public Health Nutrition, Management of Reproductive and Child Health Programmes.

ABOUT ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH (AcSIR)

The Academy of Scientific & Innovative Research (AcSIR) has been established as an 'Institution of National Importance' with a view to maximize the number of qualified researchers and professionals of impeccable quality in the domain of science & engineering; and to equip them with the skills to innovate and conduct seamless interdisciplinary research. AcSIR was established by an Act of Parliament, the Academy of Scientific Innovative Research Act, 2011 vide The Gazette of India No.15 dated February 7, 2012 and notified on 3rd April 2012.

The Academy has adopted the mandate to create and train some of the best of tomorrow's science and

technology leaders through a combination of innovative and novel curricula, pedagogy and evaluation. AcSIR's focus will be on imparting instructions in areas that are not routinely taught in regular academic universities in India. AcSIR also provides research opportunities in these areas with the help of 37 CSIR laboratories. Some of the CSIR laboratories will be involved in the delivery of the clinical research course. Please visit <http://acsir.res.in> for more information.

UNIQUENESS OF THE PROGRAM

This Clinical Research program is a blend of principles of basic and advanced research and its application in health sector. It supports AcSIR's mission and vision of affordable health care by advancing knowledge and technology. It also fulfils PHFI's mandate of improving research by imparting training to health professionals.

This program delivered by PHFI in partnership with AcSIR aims to contribute in innovative ways to promote health and improve treatment in India. During the academic tenure, apart from the program activities and academic support from the faculty, the students will be exposed to series of workshops relevant to the specific course (modules) and due importance will be given to impart soft skills that enhances their placement opportunities. Successful completion of the MSc program may serve as excellent foundation to go on to take higher degrees like PhD (within and outside India).

OTHER PROGRAM IN COLLABORATION WITH AcSIR:

Integrated MSc & PhD In Health Informatics

Integrated MSc & PhD in Health Informatics is a full time program being offered jointly by Public Health Foundation of India (PHFI) and Academy of Scientific and Innovative Research (AcSIR) from the current academic year (2013) at the Indian institute of Public Health- Hyderabad. This multi-disciplinary program focusses on applications of informatics and technologies in public health. It aims to bring the best in health care and technology based on research and innovations on one platform for students across India and South Asia. Log on to www.phfi.org for more information about this program.



PUBLIC
HEALTH
FOUNDATION
OF INDIA



For more information about the program and to download the program brochure and application form visit: www.phfi.org

Please send your filled application form to the address given below:

Senior Programme Officer

Indian Institute of Public Health – Delhi

Plot No. 34, Sector 44, Institutional Area, Gurgaon – 122002, Haryana

Phone: 0124-4722900, Fax: 0124- 4722901

E-mail: acad@phfi.org