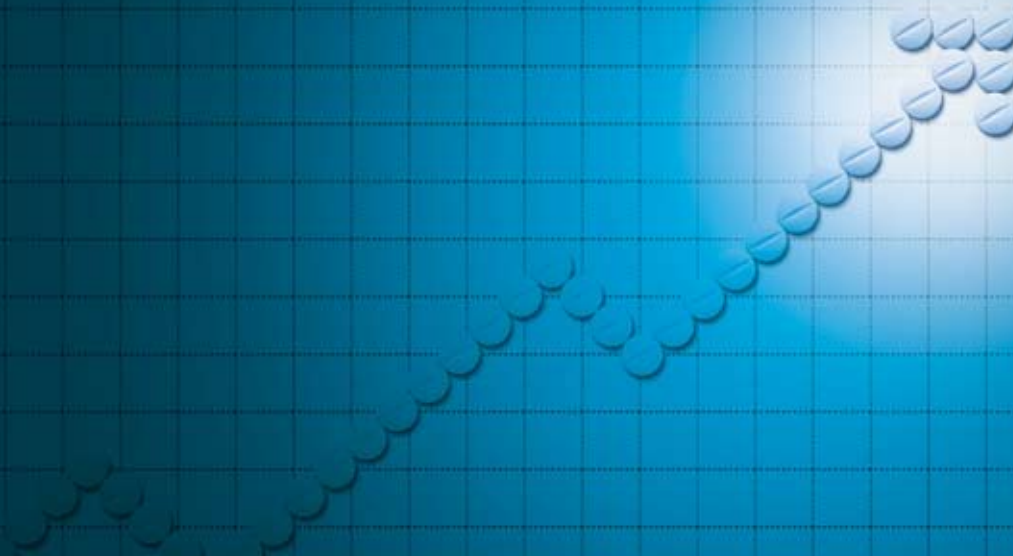


Taking India to the
pinnacle of
Clinical Research.



**INSTITUTE OF
CLINICAL RESEARCH
(INDIA)**



Message from Dr. S. K. Gupta

Former Professor & Head, Department of Pharmacology, All India Institute of Medical Sciences,
Ex-President, Indian Pharmacological Society

Director-General & Dean

Institute of Clinical Research (India)

India is increasingly being recognized as a quality player and a preferred partner for global clinical trials. India has several prized attributes for clinical trial development making it the "hub for global clinical research". It is certain that as Clinical Research is growing in India, the demand for Clinical Research professionals is increasing. According to McKinsey Report, the global clinical trial outsourcing to India in the pharmaceutical industry is estimated to reach around Rs. 5,000 crores by the year 2010, and there will be requirement of approximately 50,000 Clinical Research professionals.

That's not all. Trained Clinical Research professionals will also be in demand abroad. There are more than 2,50,000 positions vacant worldwide and salaries in the U.S. vary in the region of approximately USD 40,000 p.a. for a Clinical Research Co-ordinator to almost USD 100,000 p.a. for a Business Development Manager. Rest assured, Clinical Research is definitely the next big career and now is the time to make it a vocation.

Institute of Clinical Research (India) is the premier institute dedicated to promoting ethical research and high-quality Clinical Research education in India. ICRI addresses the need for qualified and trained Clinical Research professionals by offering various programs in Clinical Research at its centre of excellence campuses in New Delhi, Mumbai and Bangalore.

Institute of Clinical Research (India), ICRI, has now entered into a collaboration with Cranfield University, U.K., to provide an international magnitude to Clinical Research education in India.

Welcome to the exciting, challenging and rewarding world of Clinical Research.

Dr. S. K. Gupta



Prof. Clifford Friend

*Deputy Vice-Chancellor,
Cranfield University*

ICRI-Cranfield University Collaboration

Cranfield University, U.K., has entered into a key partnership with Institute of Clinical Research (India) – ICRI. This association adds an international perspective to Clinical Research education in India and gives us an opportunity to address the growing demand for Clinical Research professionals in India.

While Institute of Clinical Research (India) has an extensive networking with the Indian pharmaceutical sector and Clinical Research Organisations, and is focused on Clinical Research education in India, Cranfield University has a distinctive competence in research program and bio-medical sciences.

This unique ICRI-Cranfield University alliance promises to further the cause of Clinical Research in India.

Prof. Clifford Friend

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Clinical Research - a multinational, multibillion, multidisciplinary industry

What is Clinical Research?

Clinical Research is a systematic study for new drugs in human subjects to generate data for discovering or verifying the Clinical, Pharmacological (including pharmacodynamic and pharmacokinetic) or adverse effects with the objective of determining safety and efficacy of the new drug.

Clinical Research is conducted in 4 phases:

Phase I trials

This is the first time the new drug is administered to a small number, around 20-80 healthy, informed volunteers under the close supervision of a doctor.

The purpose is to determine whether the new compound is tolerated by the patient's body and behaves in the predicted way.

Phase II trials

In this phase, the medicine is administered to a group of approximately 100-300 informed patients to determine its effect and also to check for any unacceptable side effects.

Phase III trials

In this phase, the group is between 1000 and 5000, for the company to use statistics to analyze the results. If the results are favourable, the data is presented to the licensing authorities for a commercial licence.

Phase IV trials

This is a surveillance operation phase after the medicine is made available to doctors, who start prescribing it. The effects are monitored on thousands of patients to help identify any unforeseen side effects.





Clinical Research Industry

A Global Perspective

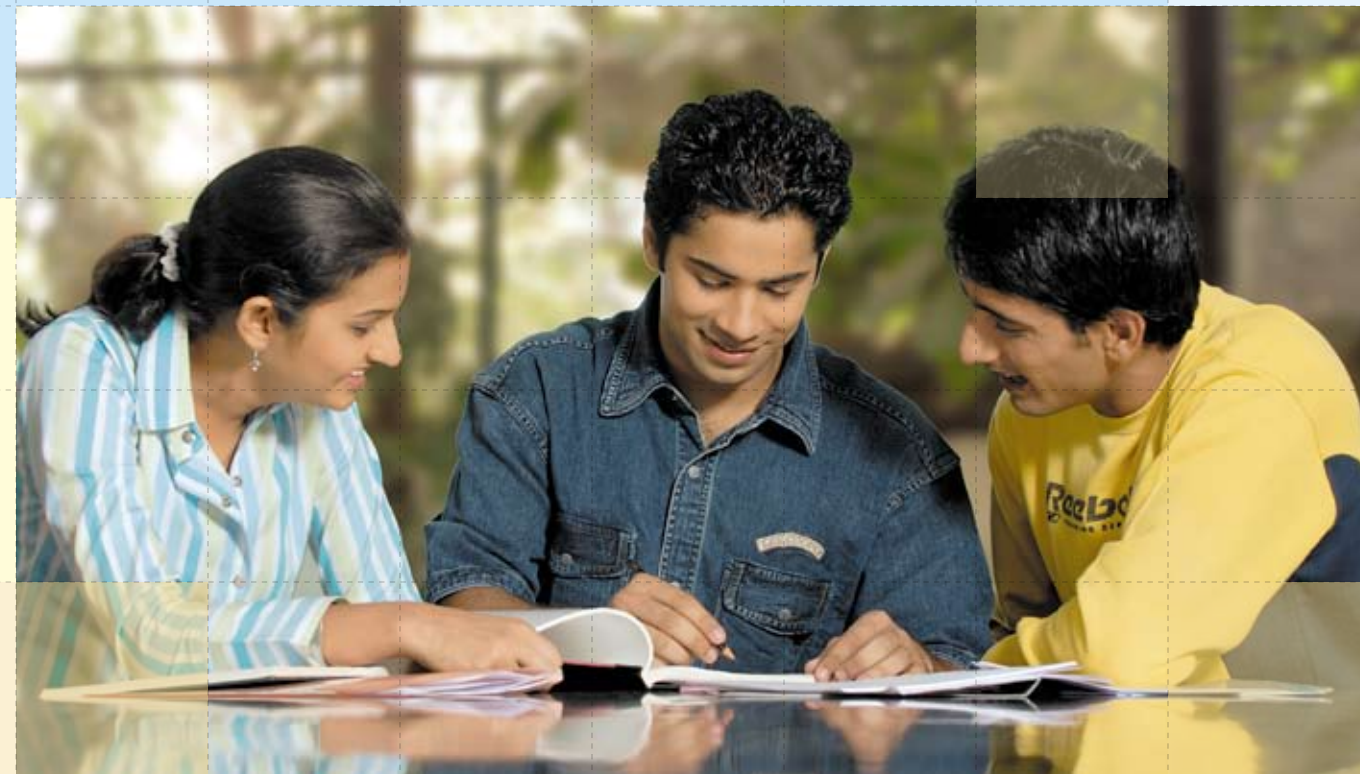
The Clinical Research industry world over is growing at an unparalleled rate. It has opened up new vistas of employment for a large number of trained professionals. The clinical trials market worldwide is worth over USD 52 billion and the industry has employed an estimated 2,10,000 people in the U.S. and over 70,000 in the U.K., and they form one third of the total Research & Development staff. There are more than 2,50,000 positions vacant globally and salaries vary in the region of approximately USD 40,000 p.a. for a Clinical Research Coordinator to almost USD 1,00,000 p.a. for a Business Development Manager. These large numbers speak volumes about the lucrative Clinical Research career and its infinite employment opportunities. Salary levels for starters are as high as those of Harvard/other Ivy League institutions.

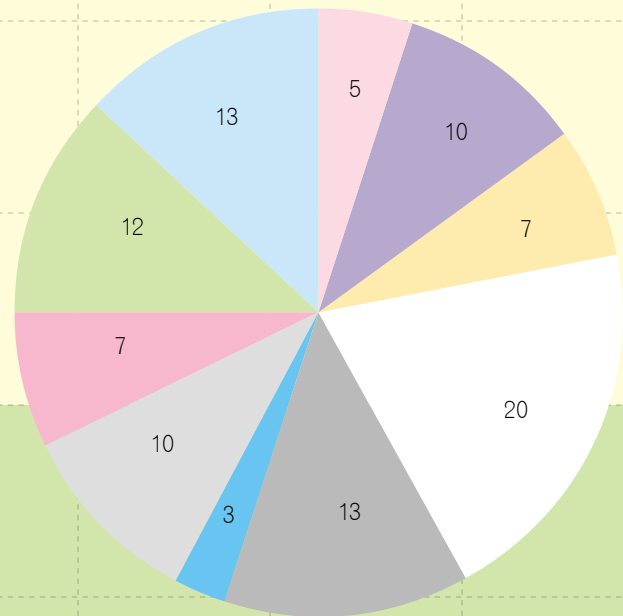
An Indian Perspective

In recent years, Clinical Research outsourcing to India has been increasing. This has largely been due to the availability of a huge talent pool of investigators and Clinical Research professionals. Also, India has several prized attributes for clinical trial development, some of which are:

- Large and diverse patients' pool
- Availability of Medical, Pharmacy and Science graduates
- Excellent infrastructure facilities
- Comparative cost advantage
- Changes in the regulatory framework

With India offering 10-year tax concessions on revenue to local companies making Research & Development (R&D) investments, a substantial increase in R&D activities of both multinational and domestic biopharmaceutical companies is inevitable. Analysts are projecting that total Clinical Research spending in India will increase by more than 30% annually through 2010. A study by Ernst and Young indicates that the total market value of Clinical Research activities performed in India is expected to grow to around USD 1.5-2 billion. Many pharmaceutical and Clinical Research organisations have already come forward to unlock the vast potential that India has, and are conducting Clinical Trials in India. Thus, there is expected to be a huge demand for qualified and trained Clinical Research professionals. Salaries start at Rs. 1.5 lacs p.a. and go to over Rs. 15 lacs p.a. for professionals with less than 5 years' experience. Which means, the salary growth opportunities here are similar to IIM graduates. Clinical Research, therefore, promises to be an interesting career option in India.





Clinical Research Segmental Players
(Value in %)

- Biotech Companies
- Clinical CRO (Global)
- BA/BE CRO
- Central Lab
- CR Training Institutes
- SMO
- Discovery/Chemistry CRO
- Pharma Companies
- Clinical CRO (Local)
- DM CRO

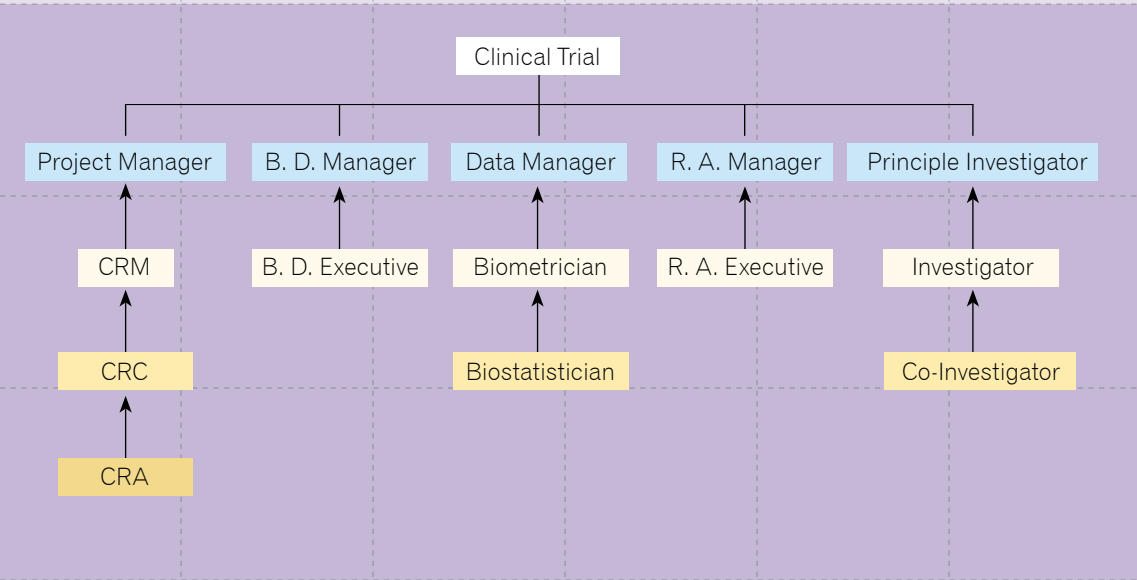
Source: Association of Clinical Research, FICCI Report

Major players in Clinical Research

India has numerous Clinical Research players with a global standard infrastructure and manpower. They are ready to support the drug development initiatives of several pharma companies and entrepreneurs. As the number of studies carried out by these major players is on the rise, the career prospects for Clinical Research professionals look positive. The number of players in the Clinical Research industry in India has risen to over hundred from less than eight, three years ago.

Career Prospects

As the number of clinical projects expands and the requirement per project increases, large number of qualified personnel will be needed to handle the industry needs. The Clinical Research field will require the following professionals in the near future:





ICRI gets you ready for the future

Institute of Clinical Research (India) is the country's premier Clinical Research Institute dedicated to promoting ethical research and high-quality Clinical Research education. It was conceived in 2004 and since then it has kept pace with the global advances in the field of Clinical Research.

As the pioneers of Clinical Research studies in India, ICRI imparts innovative and intellectually challenging education of the highest academic standards. The teaching methodologies and experienced faculty at ICRI are instrumental in giving the industry Clinical Research professionals who are competent to take up responsible tasks within the industry.

ICRI has collaborated with Cranfield University, U.K., – Europe's academic centre for strategic and applied research. This partnership marks the beginning of ICRI's endeavour to give a global magnitude to Clinical Research learning in India and reinforce commitment towards academic credentials.

ICRI aims to nurture and create an environment of learning, and implement international standards in the interests of Clinical Research students. This will ensure that India meets the global expectations as an emerging Clinical Research destination.

ICRI Mission

To foster excellence and expertise in the education of Clinical Research professionals with a primary focus on promoting ethical research. As the pioneer in Clinical Research education in India, ICRI aims to enhance the Clinical Research culture in the country to international standards of development, management and monitoring.

ICRI Objectives

- Impart innovative education in Clinical Research industry and fill the vacuum created due to lack of skilled manpower
- To maintain its position as the pioneer in Clinical Research education in India and thereby provide a boost to the development of Clinical Research in the country
- Help Clinical Research students to keep abreast of changing requirements in the international markets and represent the interests of Clinical Research professionals in the country
- Collaborate with organisations at national and international levels in the areas of research, training, seminars and conferences
- Synthesize the highest academic standards with relevance to the needs of the industry





Prof. Anthony Woodman, Vicki Treadell (British Deputy High Commissioner), Dr. S. K. Gupta and Prof. Clifford Friend

The Cranfield University Advantage

Cranfield University is world renowned for its research and teaching methodology. In its 60th year of excellence, Cranfield has shaped the future of many students from across the globe. Since its inception, Cranfield has been synonymous with the leading edge in aeronautics, defence engineering, health management, manufacturing and natural resources & translational medicine.

As every Cranfield University postgraduate program is focused on real-life situations to facilitate work with the industry, its graduates are found worldwide, making significant contributions in their fields. Cranfield University's remarkable achievements over the year have been possible due to their commitment to engage staff from senior positions in industry. It is their excellence in teaching, combined with this intimate relationship with industry that leads to their graduates being in very high demand worldwide.

Why Cranfield University

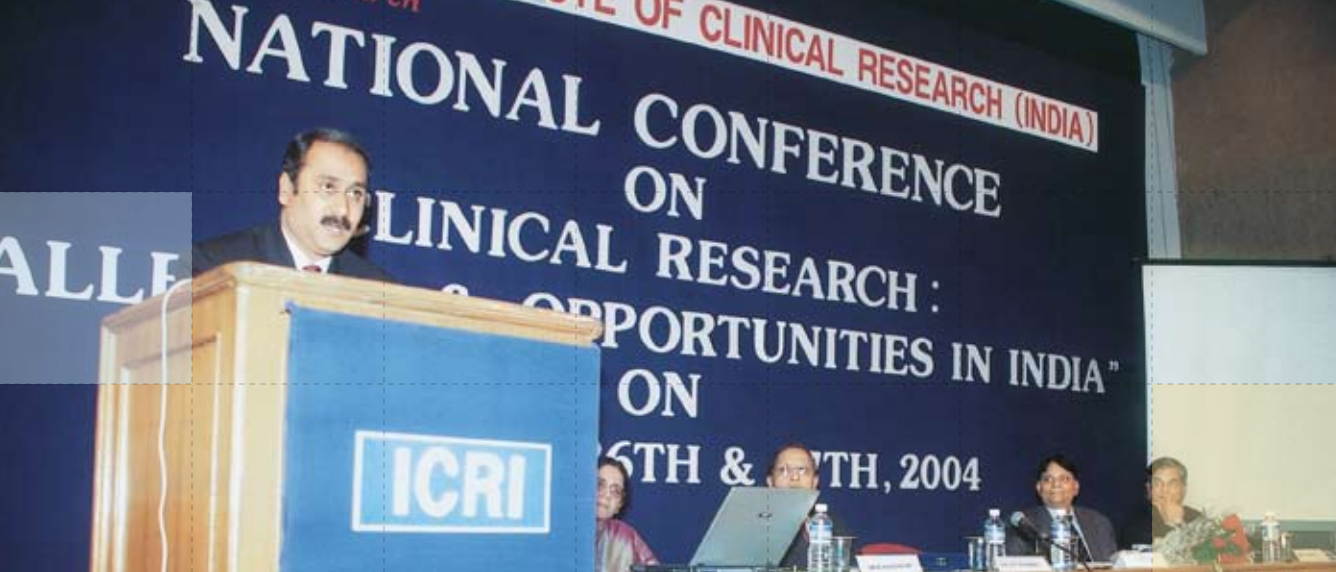


- Cranfield University is the top Clinical Research institute in Europe
- It is one of Europe's leading academic institutions
- Cranfield ranks amongst the top 3 in the U.K. for Graduate Recruitment
- Cranfield University offers a globally accepted Masters in Clinical Research
- Students in India receive the same M.Sc. certificate which is awarded by Cranfield University in U.K.
- No university in India offers an M.Sc. in Clinical Research of the status of Cranfield University
- M.Sc. in Clinical Research from Cranfield University not only equips students to compete on a global platform but also opens a gateway to global placements

Cranfield University Credentials

- Cranfield University's research income is in the same league as that of Oxford and Cambridge
- Cranfield University is the pioneer in world-class education in aerospace engineering
- Cranfield Manufacturing Management Centre has achieved Royal approval by receiving a Queen's Anniversary Award for Higher and Further Education
- Cranfield University ranks 4th in the world in Management Programs
- It is the top UK university for Graduate Employment with 97.1%* placement
- With its research worth more than 15 million pounds, Cranfield University ranks third in U.K.

*Source HESA



Dr. Ramodass, Union Minister of Health and Family Welfare, addressing the delegates at National Conference on Clinical Research

ICRI Activities

Striving towards India's Clinical Research development

Since inception, ICRI has aimed to enhance Clinical Research culture in India and also achieve professional excellence in the field. In continuation to this efforts, and to educate academia and industry about the developments in this field, ICRI had organised a national and an international conference. Both the conferences were sponsored by Department of Science & Technology, Government of India, New Delhi.

National Conference

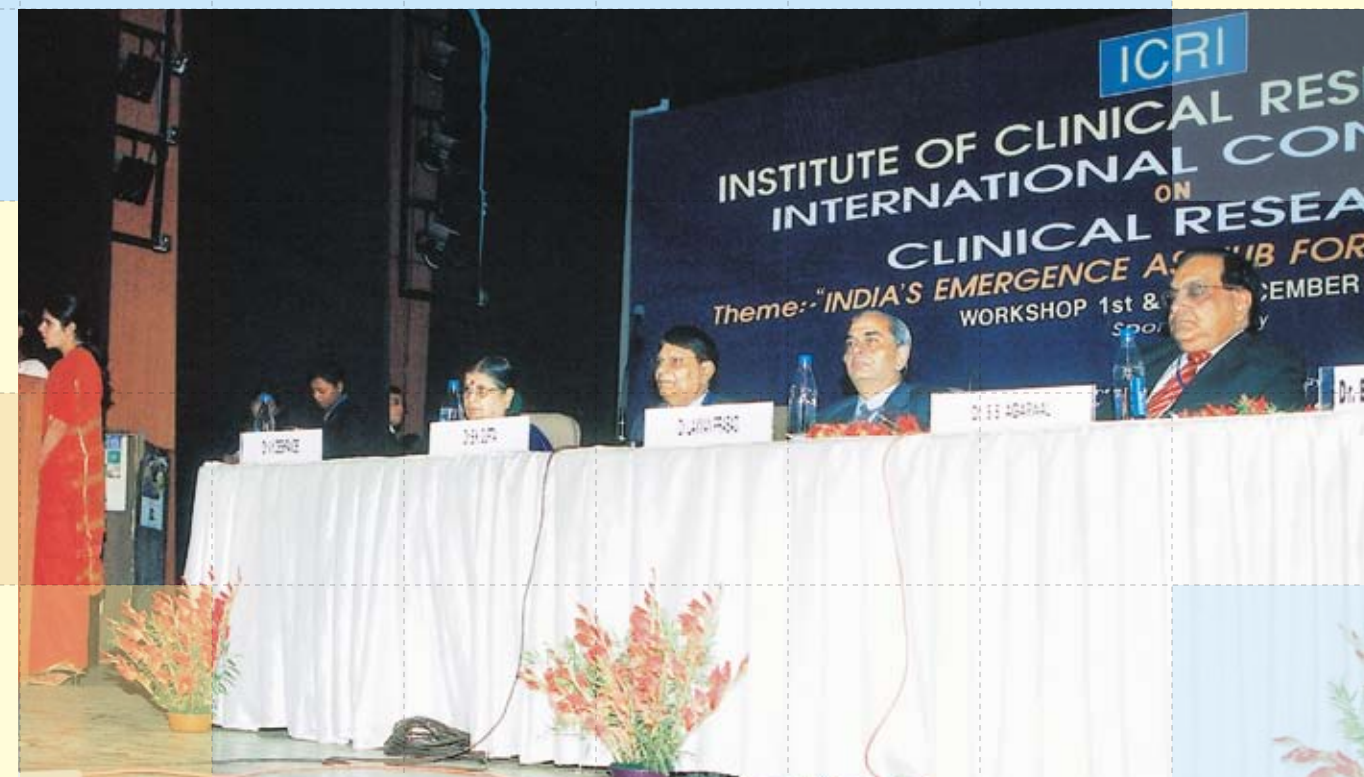
ICRI organised a two-day national conference on “**Clinical Research: Challenges and Opportunities in India**” on November 26, 2004, at the Indian National Science Academy, New Delhi. It was inaugurated by the Union Minister of Health and Family Welfare, Ambumani Ramadoss. The minister appreciated the efforts of ICRI in offering excellent training and contributing to the development of Clinical Research industry in the country. The conference was attended by over 150 distinguished personalities from India as well as abroad.

International Conference

With the vision to prepare India for the boom in Clinical Research and to contribute to the growth of the industry, ICRI organised an international conference on the theme “**India's emergence as hub for Clinical Research**” on 3rd and 4th December 2005. Around 250 delegates from U.S.A., U.K. and key players from the Indian pharmaceutical industry attended the conference.

Book on Clinical Research

ICRI is in the process of publishing a book on the basic principles of Clinical Research, the first on Clinical Research in India. It is edited by Dr. S. K. Gupta and eminent Clinical Research faculty from the country have contributed to it. The book is co-sponsored by Department of Science and Technology, Government of India.





Governing Council

- **Professor Neelima Kshirsagar – Chairperson**
Dean, G. S. Medical College & King Edward VII Memorial Hospital, Mumbai
- **Dr. C. M. Gupta – Member**, Director, CDRI, Lucknow
- **Dr. A. B. Ramteke – Member**, Deputy Drugs Controller-General India, Ministry of Health & Family Welfare, New Delhi
- **Dr. V. Muthuswamy – Member**, Senior Deputy Director-General, Division of Basic Medical Sciences, Indian Council of Medical Research
- **Dr. Hari Gautam – Member**, Ex-Chairman, University Grants Commission
- **Professor M. U. R. Naidu – Member**, Professor and Head of the Department of Clinical Pharmacology & Therapeutics, Nizam's Institute of Medical Sciences, Panjagutta, Hyderabad
- **Dr. Vijay Kumar – Member**, Global Medical Director, Neeman Medical International, U.S.
- **Dr. S. S. Agarwal – Member**, Principal & Head, Pharmacology, Delhi Institute of Pharmaceutical Sciences, New Delhi
- **Dr. Arani Chatterjee – Member**
General Manager, Clinical Research – Panacea Biotech Ltd.
- **Dr. S. K. Mishra – Member**
Vice President, Clinical Research, Dabur Research Foundation, Delhi
- **Dr. S. K. Gupta – Member (Secretary)**, Director-General, Institute of Clinical Research (India), New Delhi

Infrastructure

At ICRI, we provide our students with state-of-the-art infrastructural amenities and modern avenues to stay up-to-date with developments in industry. ICRI students have access to the Institute's computer and Internet facilities, enabling them in data searches and computer-aided decision-making. Students can benefit from the well-stocked library on Clinical Research with latest books, periodicals, newspapers, journals, prints and records that are available for reading and references.

Campuses

ICRI campuses provide the perfect environment conducive to effective learning and academic success.

New Delhi

The New Delhi campus is spread over 20,000 sq.ft. area with modern amenities like an updated library, fully air-conditioned classrooms, computer room and a canteen.

Mumbai

The Mumbai campus is spread over an area of 20,000 sq.ft. It is equipped with modern infrastructural facilities, fully air-conditioned classrooms, a well-stocked library, computer labs and a canteen.

Bangalore

The Bangalore campus is spread over an area of 12,000 sq.ft. with all modern amenities, infrastructure and fully air-conditioned classrooms.



ICRI Placement Cell — leading by example

ICRI is proud to achieve 100% placement for its first batch in renowned companies. As an institute that understands the crucial role of placement in every student's life, ICRI strives to provide lifelong placement support to students. ICRI boasts of a special Preplacement Preparation Program designed by the ICRI Placement Cell. The program aims to provide valuable career guidance to students and help them with career opportunities in the best of organisations, with improved roles and responsibilities, and world-class remunerations. Writing an effective resume in compliance with the Clinical Research industry, training on how to face an interview board, personality development, communication skills and mock interview form an integral part of the program. It also grooms the students by enhancing their analytical acumen, problem-solving skills and ability to work as a team.

ICRI Placement Cell takes every possible step to keep itself updated of the industry requirements. The dedicated placement team works towards informing the industry about the teaching methodology and ICRI course. The ICRI Placement Cell offers prospective employers a one-stop destination for their current and future relationship with the Institute. As a result of these efforts, many big organisations have also shown exemplary interest in recruiting students from ICRI.

Renowned companies that availed the expertise of ICRI students

Accutest	Covansys	Johnson & Johnson	Quintiles
Ace Biomed	Credence	Jubilant	Ranbaxy
Altana	Dabur	Lambda	Reliance Life Sciences
Apollo	DHLI	Macleods	Sami Labs
BiCare	Escorts	Merck	Sanofi-Aventis
Bombay Bio Research	German Remedies	Metropolis	Serdia Pharma
Cipla	Glenmark	Neeman	Siro Clinpharm
Clininvent	Global Spectrum	Nicholas Piramal	Sun Pharma
Clinirx	GSK	Oscar	Tata Memorial Hospital
Clintec	GVK	Panacea Biotech	Torrent
Cognizant	iGATE	Pfizer	Wellquest
Cogtest	IRL-Synexus	PPD	Wyeth

Start-up stipends start high for ICRI students

Name	Company	Stipend
Jyothi Sharma	Siro-Clinpharm	3.75 lacs
Dr. Nilam Kadam	Cipla	3.50 lacs
Anand Acharya	Cognizent	3.00 lacs
Dr. Sangeeta	Pfizer	3.00 lacs
Padma Iyer	IRL-Synexus	3.00 lacs
Arvind Bhatt	Pfizer	3.00 lacs
Dr. Manju John	Cognizent	2.50 lacs
Sanjay Maurya	Clinirx	1.80 lacs
Sonal Sane	iGATE	1.80 lacs
Vaishali Baxi	Quintiles	1.80 lacs
Paresh Patel	Escorts	1.80 lacs
Ashwini Pawar	Quintiles	1.80 lacs
Dr. Reena Harjai	Ranbaxy	1.50 lacs

ICRI Placement Cell Vision, 2007

- To start international placement cells operating from U.S. and U.K.
- Our average salary this year was around Rs 1,80,000/- p.a. We anticipate this year's average to double based on the demand-supply gap existing in the industry.

ICRI-Industry Relationship

ICRI is a premium institution committed to the cause of disseminating education in the field of Clinical Research in India. An ICRI course exposes students to a curriculum which has been streamlined for Clinical Research, thereby giving professionals a better understanding of the execution of Clinical Trials. With the collaboration of ICRI and Cranfield, the vision of ICRI has expanded to a global standard and this will further raise the standards of education in Clinical Research in India. I compliment ICRI for taking this initiative for furthering the cause of Clinical Research in India.

Dr. R. J. Jha
*Senior Vice President
Clinical Research – Wockhardt*

I believe that ICRI's collaboration with a leading university like Cranfield will result in high quality of talent emerging in the field of Clinical Research. The growing Clinical Research industry in India needs a global flavour on what the best practices are and would do well to adapt some of them locally for better business results.

Mr. Jai Shankar
Global Head, Novartis Pharma India Ltd.

Today, education in Clinical Research methodology requires the most up-to-date information to achieve global standards. The Institute of Clinical Research (India), ICRI, has taken a lead in developing and providing academic teaching programs for committed professionals interested in this career. It has pioneered the way by training personnel to generate credible clinical data acceptable by the industry the world over. The ICRI-Cranfield collaboration will result in an international alliance that will strengthen and nurture the Clinical Research industry in India.

Dr. Hoshang B. Vakil
Medical Director, Chiron Vaccines

ICRI to my mind is the pioneer in Clinical Research education consisting of dedicated professionals wanting to play a major part in shaping the evergrowing Clinical Research fraternity within the country. Considering the fact that no academic curriculum in India currently addresses key issues related to the Clinical Research industry, the tie-up between ICRI and Cranfield will ensure that the quality of training provided, and consequently the trained professionals coming through will meet global standards.

Dr. Suresh Menon
Medical Director, Novartis India Limited

The ICRI-Cranfield University tie-up will certainly add a lot of value to the quality of Clinical Research education in India. This collaboration promises to add an international dimension to the Clinical Research industry in the country. This association once again reinforces ICRI's position and its endeavour to create awareness about the Clinical Research profession.

Dr. Surinder Kher
Chief Executive Officer, Jubilant Clinsys Limited

In the industry, ICRI name is synonymous with excellent world-class Clinical Research education. ICRI's contribution to the Clinical Research education has been tremendous. Now, the ICRI-Cranfield collaboration will help students to have more exposure to international faculty and will thus provide them a global perspective in Clinical Research.

Dr. S. K. Mishra
Vice-President Clinical Operations, Dabur

What ICRI students say



Ms. Vaishali Baxi

CRA – Quintiles M.Sc., B.Ed.

The ICRI course, complete with its exhaustive syllabus and dedicated and experienced faculty members, elaborates on the essential aspects of Clinical Research. It has provided me a platform to be a part of the growing Clinical Research industry. And most important of all, the ICRI Placement Cell has given me the opportunity to work with Quintiles – India's No. 1 Clinical Research Organisation.

Ashwini Pawar

CRA – Quintiles, B.Sc. (Microbiology)

Being a microbiologist, I could never imagine myself working as a CRA in a dream company like Quintiles. This has been possible only because of the guidance and help provided by ICRI's faculty and Placement Cell. Joining ICRI has been one of the best decisions of my life.



Dr. Manju Alex John

Safety Manager – Cognizant, M.B.B.S.

Clinical Research is definitely a challenging and exciting field and ICRI has provided me a great platform. I was totally impressed by the knowledgeable faculty. ICRI also provides the students with placements and I am grateful to ICRI for the job I was offered with CTS (in Pharmacovigilance). As I am about to complete my 1-year course in PGDCR, I can only say that I am glad to be a student of ICRI.

Rajesh Gaikwad

CRA – Tata Memorial Hospital, B.Sc.

From a BPO to a reputed hospital like Tata Memorial, and now to India's No. 1 CRO – Quintiles, the journey would not have been smooth had I not been a part of the ICRI family. I thank ICRI for researching the right career for me.



Shoeb Wagle

Pharmacy Assistant – Pfizer

B.Sc. (Chemistry)

ICRI has added a lot of significance to my otherwise stagnant career. The courses at ICRI equip you not only to enter the Clinical Research industry but also to excel in it. The placements provided by ICRI are outstanding.

Krunal Desai

Business Development Executive – Global Spectrum, B.Sc.

Not being familiar with the Clinical Research industry, I wondered whether it was the right career for me. But once I joined ICRI, all my doubts have been put to rest. Now I am climbing all the way up the ladder of success.



Jyothi Sharma

Executive Business Development – Siro Clinpharm

M.Sc. (Biophysics)

Since I was working as a Clinical Research Coordinator in Global Spectrum, I was looking out for an institute that would enhance my existing Clinical Research knowledge and experience. ICRI gave me the perfect boost to my career and here I am enjoying every bit of my job at SIRO.



Divija Gupta

CRA – iGATE, M.Sc. in Immunology

Since completing my M.Sc. degree from ICRI, I've never had to look back even once. The opportunities have come in plenty and today with the help of the Placement Cell I have got the best headstart to my career.



Rohini Nimbalkar

M.Sc. (Microbiology)

I am glad that I chose to take a break from my profession as a lecturer and joined ICRI for pursuing M.Sc. in Clinical Research. Even though I am still to complete my course, the training I've undergone at ICRI has given me the confidence to enter the Clinical Research industry and pursue a career in it. I am sure that whatever I have learnt has geared me to face interviews and easily stand up to further challenges in the industry.

Learn from the Experts

ICRI has an eminent team of permanent faculty comprising distinguished academicians as well as renowned people from the pharmaceutical industry. The faculty members have proven academic achievements in various disciplines of management and are actively involved in teaching, training, research and consulting. We also have a team of visiting faculty from India and abroad to guide our students, and help them reach the pinnacle of excellence.

Dr. S. K. Gupta – Director-General & Dean, Institute of Clinical Research (India)

Dr. S. K. Gupta is Ph.D. (AIIMS), D.Sc. (Hon.), FIACS (Canada), FCW (U.K.) & F.I.P.S. He was the Professor & Head, Department of Pharmacology, AIIMS, New Delhi, and has been the President of Indian Pharmacology Society, Emeritus Professor of ICMR; Chairman, Ethics Committee, Max Healthcare and Co-Chairman of the Rational Independent Ethics Committee. Dr. Gupta has also been Member of National Pharmacovigilance Committee and Member of the Governing Body of Indian System of Medicine (ISM), Ministry of Health & Family Welfare, Government of India. Various international bodies have conferred a large number of awards, fellowships and distinctions upon him. Dr. Gupta is on the editorial boards of several national and international journals. He has edited several books and has published more than 300 papers in prestigious national and international journals. Dr. Gupta has been awarded distinguished Services Award in Medicine and Surgery by the International Academy of Cardiovascular Sciences and is Fellow Indian Pharmacological Society and IACS (Canada). Dr. Gupta has been Visiting Professor at prestigious universities in U.S.A., Canada, Japan, Germany and U.K.

Dr. A. K. Agarwal – Prinicipal, ICRI, Bangalore

Dr. A. K. Agarwal is Ph.D. from PGIMER, Chandigarh and former Reader in Department of Pharmacology, Christian Medical College, Ludhiana. Dr. Agarwal has more than 20 years of experience as Pharmacologist and has guided 12 students at postgraduate levels for M.D. He has published 37 research publications and 9 popular articles in national and international journals. Dr. Agarwal is a Life Member of Indian Pharmacological Society, Association of Physiologists and Pharmacologists of India, Society of Toxicology (India) and an Affiliate Member of Institute of Clinical Research, U.K.

Dr. Ravindra Ghooi – Prinicipal, ICRI, Delhi

He is an M.Sc. (Pharmacology), Ph.D. (Medicine) with 34 years of experience (11 years in Basic Research and 23 years in Pharmaceutical Industry as a Manager Medical Service). He has been a Medical Advisor for 16 years. Dr. Ghooi is a Fellow of the Max Planck Institute (Germany), a Visiting Professor at University Department of Chemical Technology, Mumbai and SNDT University, Mumbai. He has been an examiner for B.Pharm, M.Pharm, M.Phil, and Ph.D. for the universities of Mumbai, Pune and SNDT University. He has contributed a chapter in a textbook (Emergencies in Children) published by Dr. Meherban Singh of AIIMS. He has over 40 research papers in national and international journals.

Dr. Babu S. Nema – Head, Clinical Research Information Management

Dr. Babu S. Nema is an M.B.B.S, M.D. (Pharmacology) with 25 years of professional experience with renowned companies like Tata Consultancy Services (TCS) where he headed the Pharma practice and delivered pharmaceutical IT solutions and services. He has to his credit the development of centre of excellence for all aspects of Clinical Trial Systems. He has been a Medical Advisor to pharmaceutical companies for identification/introduction of novel pharmaceutical formulations, clinical trials, regulatory submissions and design of marketing strategies.



Permanent Faculty

Dr. S. Prabhu

Dr. S. Prabhu is M.B.B.S. & M.D. (Pharmacology), with a vast teaching experience of 37 years and has held positions like Head of the Department, Professor & Head – Pharmacology, Director-Professor & Demonstrator. Dr. Prabhu has 29 publications to her name, presented both at national and international conferences.

Dr. Deven Parmar

Dr. Deven Parmar is M.D. (Pharmacology). He is the Head of Clinical Development, Veeda CR. He was the Head of Pharmacovigilance in Ranbaxy and responsible for Clinical Trials & Pharmacovigilance of Vaccines, Respiratory & Cardiovascular Products at GSK. He is a Member of Institute of Clinical Research, U.K., and a visiting faculty at University of Boston, U.S. He is the Honorary Course Co-ordinator, ICRI.

Dr. Shaila H. Gajbhiye

Dr. Gajbhiye is an M.D. (Pharmacology), with over 30 years of experience in the field of medicine, and has worked at Grant Medical College, Mumbai, as a Professor of Pharmacology. She has over 20 publications and papers to her credit.

Dr. Sadanand Bhusari

He is M.D. (Medicine), D.N.B. (Nephrology). He has received the first prize at International Conference, NUTS of SARS Meet.

Dr. Pratibha Nadig

Dr. Nadig is an M.D. (Pharmacology), Medical Advisor in Natural Remedies Pvt. Ltd. He has been involved in Herbal Drug Development, Preclinical and Clinical Studies.

Dr. Seema Raj Singh Anand

Dr. Seema Raj Singh is an M.B.B.S. & M.D. (Pharmacology), having 8 years of professional experience in various roles such as Medical Writer, Manager, Clinical Research and Head, Clinical Operations of a CRO.

Dr. R. Jayashree

Dr. Jayashree is an M.D. (Pharmacology). She has worked in the field of gynecology and obstetrics, medicine and pediatrics. She has presented a paper in the National Pharmacology Conference.

Dr. Pravina Koteswar

Dr. Pravina Koteswar is an M.D. in Clinical Pharmacology and Therapeutics. She has worked as a Medical Advisor & Head of Pharmacology Dept at R&D Center of Natural Remedies.

Dr. Sachin Manocha

Dr. Manocha is an M.B.B.S. & M.D. (Pharmacology) with 7 years of teaching experience in the medical and dental colleges. He has experience in conducting Clinical Trials and managing Regulatory Affairs. He has several Research Papers to his credit.

Dr. Farzana Lakdawala

She is a B.D.S., P.G.D.A.D., P.G.D.C.R. and has 7 years' experience in Clinical Practice.
Dr. Farzana has done research on Effect of Tobacco on Oral Hygiene Status.

Ms. Humaira Malik

Ms. Humaira Malik is M.Pharm (Pharmacology), and has done a clinical project at Ranbaxy Labs.

Mr. Nagendrappa M. H.

Mr. Nagendrappa M. H. is M.Pharm. He received Indian Pharmaceutical Association's Scholarship for participating and presenting a paper in IPC, 2003.

Dr. Kala Kulkarni

She is an M.D. (Pharmacology) University of Mumbai. She has a Diploma in Medicine and has over 18 years, experience in the pharamaceutical industry and 8 years, experience in teaching.

Visiting Faculties

Dr. Suhasini Sharma
Chief Operating Officer, IRL
M.D. (Pharmacology)

Dr. Anish Desai
VP – Medical Services,
Unichem Laboratories

Dr. Chandra Shekar Potkar
Director, Clinical Research – Pfizer

Dr. Chitra Lelle
Director, Biometrics – Pfizer

Dr. D. Bakhle
VP – Medical & Regulatory Affairs, Sanofi, Aventis

Dr. Kiran Marthak
Board of Directors – Veeda CR

Dr. Moin Don
Head, Pharmacovigilance – Sanofi, Aventis

Dr. Sonal Vora
Senior Director, Clinical Research – Sanofi, Aventis

Dr. Meena Dave
Consultant in Clinical Research & Medical Affairs.
Former Medical Director – Rhouné Poulnc

Dr. Jaideep Gogtay
Medical Director – Cipla Ltd

Dr. Viraj Rajdakshya
Medical Advisor – Pfizer

Dr. H. B. Vakil
M.D. – Chiron Vaccines India

Dr. Chetan Tamhankar
General Manager – Siro ClinPharm

Dr. Sasikumar Menon
Assistant Director – TDM Lab

Dr. D. Panchal
Former Director, Regulatory Affairs – Wockhardt

Dr. Vidyagauri Baliga
Manager – Medical Information Services
Glenmark Pharmaceuticals Ltd.

Dr. R. A. Badwe
Head, Surgical Oncology – Tata Memorial Hospital

Dr. Nithya Gogtay
Associate Prof. Dept. of Clinical Pharmacology
– Seth G.S. & K.E.M Hospital, Mumbai

Dr. C. K. Chauhan
Former Professor and Head, Dept. of Pharmacology
– L. T. Medical College and Hospital, Mumbai

Dr. Ainapure
Former Professor and Head, Dept. of Pharmacology
– LTMC & Hospital, Mumbai

Dr. Ranade
Pharmacologist – Bombay Veterinary College

Dr. Jyotsna Shinde
Head, Clinical Research – Cogtest Ltd.

Dr. T. Velpandian
Asst Prof, Ocular Pharma Division – All India Institute
of Medical Sciences, New Delhi

Dr. Manoj Sharma
Senior Executive, Clinical Research Development
– Panacea Biotec Ltd

Dr. Nimita Limaye
Head, Data Management – Siro ClinPharm

Dr. Sunil Garg
Senior Manager, Clinical Research
– Technosoft Clinical

Dr. Jai Prakash
Senior Scientific Officer – Central Indian
Pharmacopoeial Laboratory

Dr. K. K. Sharma
Professor and Head, Dept. of Pharmacology
– University College of Medical Sciences

Dr. Anuja Chauhan
Senior Manager, Regulatory Affairs
– Jubilant Laboratories Ltd.

Dr. Bhawna Awasthi
President & CEO – XceleRx

Dr. Surinder Kher
CEO – Jubilant

Dr. Arani Chatterjee
GM, Clinical Operations – Panacea Laboratories

Dr. Padma
Professor, Dept. of Pharmacology
– SDU Medical College, Kolar

Dr. Manjunath
Associate Professor, Dept. of Pharmacology
– Siddharth Medical College, Tumkur

Dr. Shobha Rani
Professor & Head of Dept of Clinical Pharmacy
– Al Ameen College of Pharmacy, Bangalore

Dr. Vijaykumar
Clinical Investigator – Aventis, Bangalore

Mr. Gaurav Sharma
Project Leader – Clintec, Bangalore

Dr. J. K. Joshi
Dy. Medical Director – Novo Nordisk, Bangalore

Mrs. Jeroze Dalal
Quality Process and Implementation Manager, Pfizer

Pharmaceutical Management – Permanent Faculty
Mr. Anup Munshi
He is a B.Pharm. (Hons) and D.M.S. He has
experience of more than 25 years in Pharmaceutical
Companies namely Unichem Labs, Boehringer &
Associated Capsules.

Mr. K. Ravindran
He has an M.Com. Management and MBA
(Marketing) from Symbiosis, Pune. He has an
experience of 24 years in leading pharma and
consumer products industry in India and abroad.

Ms. Sandya Tewari
A postgraduate in Human Resource from Mumbai
University, she has 8 years of experience in the area of
Human Resources and Softskills Training.

Mr. Arun Goel
Honours in Mathematics with M.Sc. (Op. Research)
and LLB

Ms. Anjali Singh
She is a Management Graduate from FMS, Delhi
University. She has worked in companies, namely
KLM Royal Dutch Airlines & NIS Sparta.

Mrs. Noria Farooqui
She is a postgraduate in Management Studies from
Aligarh Muslim University. She has been awarded
Zakir Hussain Medal for Academic Excellence.



Teaching Methodology

We follow highly-interactive, student-centric methodologies that focus on academic insights and produce a unique environment for teaching and learning.

- Workshops are conducted for students to emphasize problem-solving through interaction and exchange of information
- The course comprises simulated situations and roleplays to give students an insight into understanding the responsibilities of various Clinical Research professionals
- Screening of video films on actual situations in Clinical Research
- Teaching comprises an in-depth reference to the regulations and procedures of Clinical Research, including sample documentation and study data from actual clinical trials
- Case Studies are given to students to acquaint them with real-life Clinical Research situations and they are asked to draw inferences and make suggestions
- Classroom teaching by eminent experts, PowerPoint presentations and handouts

Cranfield-ICRI Faculty Exchange Program

The faculty exchange program between Cranfield University and ICRI will give students a global perspective of Clinical Research. Dedicated faculty from both the institutes will be involved in conducting lectures and seminars, and organising workshops at the various ICRI campuses.

ICRI Clinical Research Program

2 years M.Sc. in Clinical Research Program starting August '06 in Mumbai, Delhi and Bangalore.*

Foundation Course – 1st year

- 1 Biomedical Basis of Disease (Integrated Teaching in Medicine)
- 2 General Pharmacology, organisation and functions of various systems including drug used in the management of various diseases
- 3 Preclinical, toxicity studies, evaluation of drugs and Indian regulatory framework
- 4 Drug discovery and development

Clinical Research Modules – 2nd year

- 1 Experimental Methods I: Research Design and Methodology
- 2 Experimental Methods II: Advanced Design and Analysis
- 3 Business Management and Health Economics
- 4 Preclinical Evaluation
- 5 Research Governance and Ethics
- 6 Clinical Evaluation I: Practical and Scientific Perspectives of Translational Medicine
- 7 Clinical Evaluation II: Commercial Aspects and Implications Affecting Clinical Research
- 8 Clinical Evaluation III: Regulatory Requirements and Seeking Approval
- 9 Clinical Evaluation IV: Clinical Research – Marketing Interface Research Project
- 10 Site visits to pharma industries, Clinical Research Organisations, Site Management Organisations and BA/BE units and also hospitals where trials are being conducted.
- 11 Industry training in India/Cranfield, U.K., for 4 months

* M.Sc. degree is awarded by Cranfield University, U.K. and is not recognised by AICTE/UGC or any other State Act.



Training in Clinical Research

In order to give hands-on training in Clinical Research, students will be placed in the prestigious pharma companies, Clinical Research Organisations, Site Management Organisations, institutions and BA/BE units for four months at the end of 2 years. The students are required to submit a project report before the final exam.

Training at Cranfield University, U.K.

In order to have a global exposure, students can choose to complete their course at the Cranfield University, U.K. They can complete their project work after paying the necessary additional fee approved by Cranfield University.

Postgraduate Diploma in Pharmaceutical Management (PGDPM) is integrated along with M.Sc. in Clinical Research Program.

Why PGDPM

The objective of contemporary education is to ignite the curiosity of students, generate habits of rational thinking in them, gear their mind to face the unfamiliar and train them to be able to stand on their own in the business world.

The PGDPM course at ICRI is designed to provide strong functional skills and the ability to integrate and apply them in different management settings. It provides a broad foundation of management education and knowledge in diverse functional areas. It provides the requisite softskills, so essential in managing the self and interpersonal aspects in the business environment. The management programs offered by ICRI prepares students with knowledge and strategic perspectives essential to business leadership anywhere in the world.

Apart from delivering quality education, the faculty members at ICRI play a significant role in ensuring effective interactive teaching methodology. Presentations, field assignments, case studies and group discussions are some of the methods adopted for the delivery of course contents. Continuous and multi-criteria evaluation and feedback to students through examinations, viva-voce, personal interviews and presentations help students to assess their performance in a holistic manner. Mentoring of student groups by like-minded faculty is a continuous process at ICRI.

Course Modules for Management Programs

- Principles of Management/Organisational Behaviour
- Human Resource Development
- Accounting for Managers/Financial Management
- Effective Communications
- Managerial Economics
- Pharma Operations Management
- Marketing Management
- Healthcare Laws & Regulations
- Business Development & Strategic Management
- I.T. Applications in Pharma
- Pharma Sales & Distribution Management

Softskills Modules

- Sensitivity Training
- Cross-Cultural Management
- Presentation Skills
- Personal Corporate Conduct
- Public Relations
- Public Speaking Skills
- Self-Development Programs

Admission Procedure

To maintain high academic standards and to meet the recruitment standards of the industry, ICRI gives due importance to the quality of students enrolled. To ensure this, the selection of individual student will undergo the following procedure:

- Written examination
- Personal interview
- Screening and selection of students based on merit

Scholarships

ICRI offers scholarships to deserving students every year, based on the overall performance of the students.

Assessment

Candidates are assessed on two elements of the course:

- (i) Taught Modules
- (ii) Research Project

Course Assessment

- In-module assessment (essays, practical work, group projects)
- Written examination papers
- Research project thesis
- Oral presentation of thesis

The taught elements and the research project thesis each carry 50% of the total marks awarded.

Financial Support

Various financial institutions offer education loans, which the students can avail to cover their course fees. Necessary paperwork, support and certification are provided by ICRI to facilitate students to avail of the education loan.

INSTITUTE OF CLINICAL RESEARCH (INDIA)

New Delhi Campus: Institute of Clinical Research (India), A-201, Okhla Industrial Area, Phase 1, New Delhi 110 020. Tel: 011-4140 6945-49, 93501 86148

Mumbai Campus: Institute of Clinical Research (India), C-9, Central Road No. 22, MIDC Industrial Area, Marol, Andheri (East), Mumbai 400 093. Tel: 022-5574 0208, 5574 0207, 3244 0649, 2822 2034, 2823 0949, 2822 2016. Fax: 022-2823 0518

Bangalore Campus: Institute of Clinical Research (India), 242 A, 13th Cross, CMH Road, Indiranagar 2nd Stage, Bangalore 560 038. Tel: 080-2520 7224-27, 98801 54071, 93413 27656, 98868 20017, 98802 71912