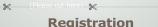
Registration Form

FOR SYMPOSIUM & HANDS-ON-WORKSHOP Last date: 15th July 2013

Name		
Delegation - for symposium for workshop and symposium		
Pin Code	Phone	
Cell No.		
E-mail		
I am enclosing	g herewith a Cash/ DD No.	
for Rs.	drawn on	

bank in favour of Dean, Medical College, Raipur

- Send M.Sc. prev./MBBS marksheet along with this form if applying for Hands-on-workshop. (Limited for Ten candidates only)
- Combined D.D. will be acceptable for multiple candidates of an institute.



Registration

For **SYMPOSIUM**

On or before 15th July, 2013 : Rs. 300/-**Spot Registration** : Rs. 400/-

For Hands-on-workshop

including symposium fees : Rs. 1500/-

<u>Eligibility</u>: For Symposium-Under/Post graduate students (MBBS/MD/MS/faculties/Practitioners/ResearchScholars/ PG students of Biotechnology/ Life Science/ Allied discipline)

Selection of Ten students of MBBS/MD/Biotechnology or allied discipline preferably final year PG students for Hands-onworkshop made by the organising committee will be final.

For those not selected for the workshop, fees will be refunded deducting the registration fees for symposium.

Organising Committee

• PATRON-IN-CHIEF

Shri Amar Agrawal

Hon'ble Health Minister, Govt. of Chhattisgarh

• PATRONS

Dr. S.K. Mukheriee

Director, Medical Education Chhattisgarh, Raipur

Dr. A.K. Sharma

Dean, Pt. J.N.M. Medical College, Raipur

Dr. Vivek Choudharv

Joint Director cum Superintendent, Dr. B.R.A.M. Hospital, Raipur

ORGANISING CHAIRMAN

Dr. P.K. Patra

Course Incharge, M.Sc. Medical Biotechnology Course Professor & Head, Dept. of Biochemistry

ORGANISING SECRETARY & TREASURER

Dr. P.K. Khodiar

Asso. Prof., Dept. of Biochemistry

LOCAL ARRANGEMENT

Dr. Manik Chatterjee

Professor, Dept. of Anatomy

• SCIENTIFIC SESSION & AUDITORIUM MANAGEMENT INCHARGE

Dr. Arvind Neral

Head of Dept., Microbiology

WORKSHOP & PRINTING INCHARGE

Ms. Sheikh Hasina

Demonstrator, Dept. of Biochemistry



Symposium

on

Role of Bio-informatics in Medicine

25th July 2013

8

Hands-on-workshop

Microarray & Real Time PCR

From 26th - 31st July 2013



Organised by:

Centre for Genetic Disease & Molecular Biology

Pt. J.N.M. Medical College, Raipur (C.G.)

Eminent Guest Speakers:

Prof. Indira Ghosh, JNU, Delhi

Dr. Vinod Scaria, IGIB, Delhi

Dr. T.R. Sharma, NRCPB, Delhi

Dr. Aditya Mittal, IIT, Delhi

Prof. R. Sankararamakrishnan, IIT, Kanpur

Prof. Mukesh Doble, IIT, Madras

Dr. Dhananjay Bhattacharyya, SINP, Kolkata

Dr. Pradeep Kumar, P.I., IIT, Mumbai

Dr. Chetan Gadgil, NCL, Pune

Dr. H.A. Nagara jram, CDFD, Hyderabad

PROGRAMME:

25thJuly 2013 Venue-Medical College, Raipur

8.00-10.00 a.m. : Registration & Breakfast 9.00-10.30 a.m. Scientific Session-I

11.00-12.00 Noon : Inauguration 12.00-12.30 p.m. : Tea Break

12.30-1.45 p.m. : Scientific Session-II

1.45-2.30 p.m. : Lunch

2.00-4.00 p.m. : Scientific Session-III

4.00-4.30 p.m. : Tea Break

4.30-6.00 p.m. : Scientific Session-IV

26th - 31^{tst} July 2013 (9.00 a.m. to 5 p.m.)

Hands-on-workshop on Microarray and Real Time PCR Techniques in the Department of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.)

OBJECTIVES:

M.Sc. Medical Biotechnology course was started under self finance scheme by the Autonomous society, Pt. J.N.M. Medical College, Raipur with initial financial assistance from CHiPS, Raipur on 25th July 2005.

We are organising one day symposium on "Role of Bioinformatics in Medicine" to commemorate the 8th Foundation Day of the M.Sc. Medical Biotechnology course on 25th July 2013. This will be followed by six day "Hands-on-Workshop on Microarray & Real Time PCR Techniques" from 26th to 31st July, 2013.

After the completion of human genome project, the whole human genome is sequenced and lot of data is generated. Apart from this a large amount of individual level molecular data has come from the use of GENE EXPRESSION MICROARRAY. PROTEOMICS AND DNA SEQUENCING. Biology and medicine are rapidly emerging with the involvement of knowledge at molecular level. Bioinformatics is important in explaining things at the molecular level and also help to interpret the data generated at molecular studies. At this moment after the completion of human genome project we know nearly all targets for medicine. Getting the same information for a parasite will enable us to make better medicine against infections with fewer side effects.

The principal goal of Bioinformatics is to enhance the understanding of the Biological processes. In Molecular medicine, Bioinformatics helps in identifying essential molecular and genetic errors of disease and to develop molecular interventions to correct them. The human genome completion implies that, we can explore for the genes directly associated with different diseases and understanding the molecular mechanism of disease will help us to develop preventive test.

The workshop will be conducted on Microarray & Real Time PCR techniques. Microarray is a tool for gene expression studies. Real Time PCR is an advanced molecular technique having wide applications including mutation analysis and quantitative viral load