

Registration Form

FOR SYMPOSIUM & HANDS-ON-WORKSHOP

Last date : 15th July 2014

Name _____

Delegation - for symposium ☐

for workshop and symposium ☐

Address _____

Pin Code _____ Phone _____

Mobile No. _____

E-mail _____

I am enclosing herewith a Cash/ DD No. _____

for Rs. _____ drawn on _____

bank in favour of Dean, Medical College, Raipur payable at Raipur (C.G.)

- 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 Fee:

For **SYMPOSIUM**

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

Spot Registration : **Rs. 400/-**

For **Hands-on-workshop including symposium**

: **Rs. 1500/-**

Eligibility:

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/ M.Sc. Biotechnology or allied discipline preferably final year PG students for Hands-on-workshop made by the organising committee will be final.

Note: 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

Director, Medical Education Chhattisgarh, Raipur

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

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, Deptt. of Biochemistry

• ORGANISING SECRETARY

Dr. Hrishikesh Mishra

Scientist-II, Bioinformatics Centre, Deptt. of Biochemistry

• TREASURER

Dr. Swati Hiwale

Associate Professor, Deptt. of Biochemistry

• LOCAL ARRANGEMENT

Dr. Manik Chatterjee

Professor, Deptt. of Anatomy

• SCIENTIFIC SESSION & AUDITORIUM MANAGEMENT INCHARGE

Dr. Debapriya Rath

Assistant Professor, Deptt. of Biochemistry

Dr. Pankaj Mishra

Assistant Professor, M.Sc. (MBT), Deptt. of Biochemistry

Dr. Manoj Yadav

Assistant Professor, M.Sc. (MBT), Deptt. of Biochemistry

• WORKSHOP & PRINTING INCHARGE

Dr. G.K.Sahu

Associate Professor, M.Sc. (MBT), Deptt. of Biochemistry

Dr. Kiran Bagale

Assistant Professor, Deptt. of Biochemistry



A Symposium on Digital Medicine

25th July 2014

& Hands-on-workshop on

Bioinformatics in Medical Sciences

26th-31st July 2014



Organised by

Centre for Genetic Diseases & Molecular Biology
Department of Biochemistry
Pt. J.N.M. Medical College, Raipur (C.G.)

Eminent Guest Speakers:

Dr. Tapobrata Lahiri, IIIT, Allahabad
Dr. K. Ganapathy, Appolo Hospital, Chennai
Dr. Vinod Scaria, IGIB, New Delhi
Mr. P. Das, Corpus Software, Hyderabad
Dr. Z.H. Khan, NDMC Medical College, New Delhi
Dr. V. Natrajan, Cmedios Technologies, Bangalore

PROGRAM:

25th July, 2014 (Venue-Medical College, Raipur)

9.00-10.00 a.m.	:	Registration & Breakfast
10.00-11.00 a.m.	:	Scientific Session-I
11.00-12.00 Noon	:	Inauguration
12.00-12.30 p.m.	:	Tea Break
12.30-1.15 p.m.	:	Scientific Session-II
1.15-2.00 p.m.	:	Scientific Session-III
2.00-3.00 p.m.	:	Lunch
3.00-3.45 p.m.	:	Scientific Session-IV
3.45-4.30 p.m.	:	Scientific Session-V
4.30-4.45 p.m.	:	Tea Break
4.45-5.30 p.m.	:	Scientific Session-VI
7.30-9.30 p.m.	:	Dinner

26th - 31st July 2014 (9.00 a.m. to 5 p.m.)

Hands-on-workshop on **Bioinformatics in Medical Sciences** 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 organizing a one day symposium on "Digital Medicine" to mark the 9th Foundation Day ceremony of the M.Sc. Medical Biotechnology course on 25th July 2014. This will be followed by six days "Hands-on-workshop" for the students on "Bioinformatics in Medical Sciences" from 26th to 31st July, 2014.

Medicine is undergoing through a transformation phase characterized by convergence of novel

technologies like IT including wireless signaling, cloud computing, increasing spread of smartphones, availability of low cost genome sequencing and nanotechnology. The upcoming era is era of digital medicine. Digital devices are under development which can record, store and analyze vital biological data in real time and at the same time help the person to take decision regarding further steps to be taken regarding treatment of the condition. All the physiological data including ECG, blood pressure, pulse rate, oxygen saturation, blood sugar level, breathing rate and body temperature can be recorded and analyzed continuously in real time using a digital device or smartphone. Such a device called Visi is worn on the wrist and has been approved by the FDA for hospital use. Many other such devices are under development and would be available for use by patients in their own homes in near future.

Low cost technology for genome sequencing will make it accessible for millions of people. This huge amount of DNA data would become medically useful for understanding each individual's specific disease profile and designing the suitable drug regimen. Further nanotechnology can be utilized to develop tiny biosensors called nanobots, which can be injected into bloodstream, and be used to analyze blood chemistry in real time and transmit the data to smartphone or any other concerned digital device. Recently digital tablets have been introduced, which on consumption by patient, send signal to the physician through digital device, and thus help in monitoring patient's compliance to treatment.

The workshop will be conducted on 'Bioinformatics in Medical Sciences' which will highlight the literature search, retrieving data from biological databases, tools for biological sequence analysis, gene prediction, protein modeling and visualization, molecular docking etc. Further introduction to computer programming will also be provided during this workshop.

Looking forward for your kind participation.

Dr. Hrishikesh Mishra
Organizing Secretary



To,

Dr. Hrishikesh Mishra
Organising Secretary,
Scientist-II, Bioinformatics Centre
Department of Biochemistry
Pt. J.N.M. Medical College, Raipur (C.G.)
Phone & Fax : 0771-2883348
E-mail: pkp1964@yahoo.co.in



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Symposium
on
Digital Medicine

25th July 2014

&
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Bioinformatics in Medical Sciences

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To,

From,

Dr. Hrishikesh Mishra

Organising Secretary,

Scientist-II, Bioinformatics Centre

Department of Biochemistry

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

Phone & Fax :0771-2883348

E-mail: pkp1964@yahoo.co.in