



**M.Sc. Medical Biotechnology Course**  
**Department of Biochemistry**  
**Pt. J.N.M. Medical College, Raipur (C.G.)**

**A**  
**Symposium on “Digital Medicine”**  
**&**

**Hands-on-Workshop on “Bioinformatics in Medical Sciences”**  
**(25<sup>th</sup> – 31<sup>st</sup> July, 2014)**

**PROVISIONAL PROGRAMME SCHEDULE**

**(25<sup>th</sup> July 2014)**

**Venue- Seminar Hall, Department of Biochemistry, Pt.JNM Medical College, Raipur (C.G.)**

Time	Speaker	Topic
9.00 -10.00 AM	Registration	
10.00-11.00 AM	<b>Dr. Vinod Scaria</b> IGIB, New Delhi	From Personal Genomes to Precision Medicine
11.00-12.00 Noon	Inauguration	
12:00-12:30	Tea Break	
12.30-1.15 PM	<b>Dr. K. Ganapathi</b> Apollo Hospital, Chennai	Digital Medicine: Health care of the future
1.15-2.00 PM	<b>Dr. Z H Khan</b> NDMC Medical College, New Delhi	How to go bring in “Digital Medicine” to the Medical and Paramedical Fraternity
2.00-3.00 PM	Lunch Break	
3.00 PM- 3.45 PM	<b>Dr. T. Lahiri</b> IIT Allahabad	Possible Applications of Human Cognition Inspired Computational Models in Health Science
3:45 PM- 4.30 PM	<b>Mr. P.Das</b> Reliance JIO Infocomm Ltd, Mumbai	Digital Prescription Management System
4:30 PM- 5:00 PM	Tea Break	
5:00 PM- 5:45 PM	<b>Mr. Vittal Natrajan</b> Cmedios Technologies Pvt Ltd, Bangalore	Connecting Health
7.30-9.30 PM	Dinner Venue: Department of Biochemistry, Pt.JNM Medical College, Raipur	



**Hands-on-Workshop**  
**on**  
**"Bioinformatics in Medical Sciences"**  
**(26<sup>th</sup> - 31<sup>st</sup> July, 2014)**

**Venue: Department of Biochemistry, Pt.JNM Medical College, Raipur (C.G.)**

**Programme for Batch-1**

**Day 1 (26.07.14)**

10.00-11.00 am	Introduction to Bioinformatics and its applications By Dr. Hrishikesh Mishra, Scientist, SCIC, Raipur
11.00-11.30 am	Tea Break
11.30 am -12.30 pm	Application of some important computational techniques to solve protein structure by Dr. Tapobrata Lahiri, Asso. Prof., IIIT, Allahabad
12.30 pm - 1.30 pm	Introduction to Oracle Programming By Ms. Mona Choubey, Jr. Scientist, BIC, Pt.JNM MC, Raipur
1.30-2.30 pm	Lunch Break
2.30-3.30 pm	Practicals on sequence alignment tools-BLAST, FASTA, CLUSTALW by Ms. Khushboo Soni
3.30-4.00 pm	Tea Break

**Day 2 (27.07.14)**

10.00-11.00 am	Identification of genetics risk factors for disease By Dr. LVKS Bhaskar, SCIC
11.00-11.30 am	Tea Break
11.30 am -12.30 am	Computational Gene Identification By DR. Shrish Tiwari, CCMB Hyderabad
12.30 pm - 1.30 pm	Practicals on tools used in association studies By Dr. LVKS Bhaskar, SCIC
1.30-2.30 pm	Lunch
2.30-3.30 pm	Biological Sequence Comparison By Dr. Hrishikesh Mishra, Scientist, SCIC, Raipur
3.30-4.00 pm	Tea Break

**Day 3 (28.07.13)**

10.00-11.00 am	Molecular modeling, Protein structure prediction and visualization by Dr. Manoj K Yadav, MBT
11.00-11.30 am	Tea Break
11.30 am -12.30 pm	Introduction to C Programming By Ms. Mona Choubey, Jr. Scientist, BIC, Pt.JNM MC, Raipur
12.30 pm - 1.30 pm	Practicals on AutoDock by Dr. Manoj K Yadav, MBT

1.30-2.30 pm	Lunch
2.30-3.30 pm	Practicals on AutoDock continued.. by Dr. Manoj K Yadav,MBT
3.30-4.00 pm	Tea Break

**Day 4 (29.07.14)**

10.00-11.00 am	BLAST, its Types and Applications By Mrs. C.M. Nisha, NIT Raipur
11.00-11.30 am	Tea Break
11.30 am -12.30 am	Online tools used in biological studies By Mr. Santosh Behar,CHiPS
12.30 pm - 1.30 pm	Practicals on Online tools used in biological studies By Mr. Santosh Behar,CHiPS
1.30-2.30 pm	Lunch
2.30-3.30 pm	Genetics of non-syndromic oral clefts By Dr. LVKS Bhaskar,SCIC
3.30-4.00 pm	Tea Break

**Day 5 (30.07.14)**

10.00-11.00 am	MOOC:A path to e-learning By Mr. Santosh Behar,CHiPS
11.00-11.30 am	Tea Break
11.30 am -12.30 am	Practicals on MOOC:A path to e-learning By Mr. Santosh Behar,CHiPS
12.30 pm - 1.30 pm	Practicals on Biological databases by Ms.Khushboo Soni
1.30-2.30 pm	Lunch
2.30-3.30 pm	Concepts Computer Aided Drug Designing by Dr. Manoj K Yadav,MBT
3.30-4.00 pm	Tea Break

**Day 6 (31.07.14)**

10.00-11.00 am	Practicals on Pymol by Ms.Khushboo Soni, RA, BIC, Pt.JNM MC,Raipur
11.00-11.30 am	Tea Break
11.30 am -12.30 am	Practicals on Oracle By Ms. Mona Choubey,Jr. Scientist, BIC, Pt.JNM MC,Raipur
12.30 pm - 1.30 pm	--
1.30-2.30 pm	Lunch break
2.30-3.30 pm	--
3.30-4.00 pm	Tea Break



**Hands-on-Workshop**  
**on**  
**"Bioinformatics in Medical Sciences"**  
**(26<sup>th</sup> - 31<sup>st</sup> July, 2014)**

**Venue: Department of Biochemistry, Pt.JNM Medical College, Raipur (C.G.)**

**Programme for Batch-2**

**Day 1 (26.07.14)**

10.00-11.00 am	Introduction to Bioinformatics and its applications By Dr. Hrishikesh Mishra, Scientist, SCIC, Raipur
11.00-11.30 am	Tea Break
11.30 am -12.30 pm	Application of some important computational techniques to solve protein structure by Dr. Tapobrata Lahiri, Asso. Prof., IIIT, Allahabad
12.30 pm - 1.30 pm	Practicals on sequence alignment tools-BLAST,FASTA,CLUSTALW by Ms.Khushboo Soni, RA, BIC, Pt.JNM MC,Raipur Introduction to Oracle Programming By Ms. Mona Choubey,Jr. Scientist, BIC, Pt. J.N.M.M.C, Raipur
1.30-2.30 pm	Lunch Break
2.30-3.30 pm	Identification of genetics risk factors for disease By Dr. LVKS Bhaskar, Senior Scientist, SCIC, Raipur
3.30-4.00 pm	Tea Break

**Day 2 (27.07.14)**

10.00-11.00 am	Practicals on Pymol by Ms.Khushboo Soni, RA, BIC, Pt.JNM MC,Raipur
11.00-11.30 am	Tea Break
11.30 am -12.30 am	Computational Gene Identification By DR. Shrish Tiwari, Senior Scientist, CCMB Hyderabad
12.30 pm - 1.30 pm	Online tools used in biological studies By Mr. Santosh Behar,CHiPS
1.30-2.30 pm	Lunch
2.30-3.30 pm	Practicals on Online tools used in biological studies By . Santosh Behar,CHiPS
3.30-4.00 pm	Tea Break

**Day 3 (28.07.14)**

10.00-11.00 am	Practicals on tools used in association studies by Dr. LVKS Bhaskar, Senior Scientist, SCIC, Raipur
11.00-11.30 am	Tea Break
11.30 am -12.30 pm	Practicals on Biological databases By Ms.Khushboo Soni, BIC, Pt. J.N.M.M.C, Raipur

12.30 pm - 1.30 pm Biological Sequence Comparison  
by Dr. Hrishikesh Mishra, Scientist, SCIC, Raipur

1.30-2.30 pm Lunch

2.30-3.30 pm Introduction to C Programming  
by Ms.Mona Choubey, ,Jr. Scientist, BIC, Pt. J.N.M.M.C, Raipur

3.30-4.00 pm Tea Break

**Day 4 (29.07.14)**

10.00-11.00 am BLAST, its Types and Applications  
By Mrs. C.M. Nisha, NIT Raipur

11.00-11.30 am Tea Break

11.30 am -12.30 am Molecular modeling, Protein structure prediction and visualization  
By Dr. Manoj K Yadav, Asst. Professor, MBT, Pt. J.N.M.M.C, Raipur

12.30 pm - 1.30 pm Introduction to Oracle Programming  
By Ms. Mona Choubey, Jr. Scientist, BIC, Pt. J.N.M.M.C, Raipur

1.30-2.30 pm Lunch

2.30-3.30 pm Practicals on Oracle  
By Ms. Mona Choubey, Jr. Scientist, BIC, Pt. J.N.M.M.C, Raipur

3.30-4.00 pm Tea Break

**Day 5 (30.07.14)**

10.00-11.00 am MOOC:A path to e-learning  
By Mr. Santosh Behar, CHiPS

11.00-11.30 am Tea Break

11.30 am -12.30 am Concepts Computer Aided Drug Designing  
By Dr. Manoj K Yadav, Asst. Professor, MBT, Pt. J.N.M.M.C, Raipur

12.30 pm - 1.30 pm Genetics of non-syndromic oral clefts  
by Dr. LVKS Bhaskar, SCIC, Raipur

1.30-2.30 pm Lunch

2.30-3.30 pm Practicals on MOOC:A path to e-learning  
By Mr. Santosh Behar,CHiPS

3.30-4.00 pm Tea Break

**Day 6 (31.07.14)**

10.00-11.00 am

11.00-11.30 am Tea Break

11.30 am -12.30 am --

12.30 pm - 1.30 pm Practicals on AutoDock  
By Dr. Manoj K Yadav, Asst. Professor, MBT, Pt. J.N.M.M.C, Raipur

1.30-2.30 pm Lunch break

2.30-3.30 pm Practicals on AutoDock continued..  
By Dr. Manoj K Yadav, Asst. Professor, MBT, Pt. J.N.M.M.C, Raipur

3.30-4.00 pm Tea Break

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