



National Workshop on Bioinformatics and Computational Biology

Dates: 8-9 April, 2017

Venue: Inaugural Session: Room No. 102 & Technical Session: Room No. 203
Dr. M. A. Wazed Miah Science Building, IU, Kushtia, Bangladesh

Organized By:

Bangladesh Bioinformatics and Computational Biology Association (BBCBA) in collaboration with
Bioinformatics Research Group of Rajshahi University (BioRGRU) & Dept. of Statistics & Dept. of
Biotechnology and Genetic Engineering, Islamic University, Kushtia

Supported By:

Higher Education Quality Enhancement Project (HEQEP:CP-3603, W2, R3), Dept. of
Statistics, Rajshahi University (RU)

Program

Day-1. Saturday(8April 2017)

08.30-09.00 am	Registration
09.00-10.00 am	Session : Inaugural session <ul style="list-style-type: none"> • Welcome address by Dr. Nilufa Akhter Banu, Chairman, Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia • Speech from the President of BioRGRU & BBCBA: Prof. Dr. Md. Nurul Hoque Mollah, Professor, Dept. of Statistics, RU • Speech from Special Guest: Dr. Md. Shamsul Alam, Dean Applied of Science and Technology, Islamic University, Kushtia • Speech from Special Guest: Prof. Dr. Md. Selim Toha , Treasurer, Islamic University, Kushtia • Speech from Special Guest: Prof. Dr. Md. Shahinoor Rahman, Pro-Vice Chancellor, Islamic University, Kushtia • Speech from Chief Guest: Prof. Dr. Harun-UR-Rashid Askari, Hon`ble Vice Chancellor, Islamic University, Kushtia • Session will be conducted by Altaf Hossain (Rasel), Chairman, Department of Statistics, Islamic University, Kushtia.

	<ul style="list-style-type: none"> Vote of thanks by Prof. Dr. Md. Anwarul Haque, Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia Session will be chaired by Prof. Dr. Md. Kamal Uddin, Department of Statistics, Islamic University, Kushtia & Convenor, Workshop Organizing Committee.
10:00-10:15am	Tea Break

10.15-1.00am	Keynote Speech: Chaired by Prof. Dr. M. Moniruzzaman Dept. Applied Chemistry and Chemical Technology Islamic University, Kushtia
10.15-11.00am	<i>Topic-1: “Introduction to Bioinformatics for the Improvement of Agriculture and Health Research”</i> Prof. Dr. Md. Nurul Haque Mollah , President of BioRGRU& BBCBA and Professor, Dept. of Statistics, RU
11. 00-11.45 am	<i>Topic-2: Next generation sequencing (NGS) data analyses pipeline: An introduction</i> Resource Person: Prof. Dr. AMAM Zonaed Siddiki Dept. of Pathology and Parasitology, CVASU and Fulbright Scholar, The George Washington University, USA
11. 45-12.30 am	<i>Topic-3: Genomics, Metagenomics, and Microbial Forensics,</i> Resource Persons: Dr. Munirul Alam , Senior Scientist and Lead, Infectious Diseases Division, ICDDR,B, Mohakhali, Dhaka.
12:30-1:30 pm	Lunch Break
1:30-3:00pm	Technical Session 1: Programming and Software for Bio-Computation Chaired by Dr. Paresh Chandra Barman Dept. of Information and Communication Technology Islamic University, Kushtia
1:30-3:00pm	<i>Topic-1: Introduction to R-language for Bio-Computation .</i> Resource Persons: Md. Jahangir Alam, Md. Shahjaman, Mr. Nishith Kumar, Md. Shakil Ahmed and Md. Nazmol Hasan. Bioinformatics Lab, Dept. of Statistics, ² Institute of Biological Sciences (IBSc.), Rajshahi University
3:00-3:15	<u>Tea Break</u>
3:15-4:45 pm	Technical Session 2: Genomics & Transcriptomics Analysis Chaired by Prof. Dr. S M Mostafa Kamal Dept. of Mathematics Islamic University, Kushtia
4:45-6:15pm	<i>Topic-2: Introduction to computational genomics and hands-on training.</i> Resource Persons: Md. Jahangir Alam¹, Dr. A. H. M. Shahinul Islam and Prof. Dr. Md. Nurul Haque Mollah ¹ Bioinformatics Lab, Dept. of Statistics, ² Institute of Biological Sciences (IBSc.), Rajshahi University <i>Topic-3: Introduction to computational transcriptomics and hands-on training.</i> Resource Persons: Mr. Md. Shahjaman and Prof. Dr. Md. Nurul Haque Mollah Bioinformatics Lab, Dept. of Statistics, Rajshahi University

Day-2. Sunday (9 April 2017)

9.00-1.00 am	Technical Session 3: Chaired by Mr. Md. Mizanur Rahman Dept. of Mathematics Islamic University, Kushtia
9.00-11.30 am	Topic-4: <i>Introduction to computational metabolomics and hands-on training.</i> Resource Persons: Mr. Nishith Kumar and Prof. Dr. Md. Aminul Hoque Bioinformatics Lab, Dept. of Statistics, Rajshahi University
11.30am-1.00 pm	Topic-5: <i>Introduction to Proteomics and hands-on training.</i> Resource Persons: Md. Shakil Ahmed¹ and Prof. Dr. Md. Abu Reza ¹ Bioinformatics Lab, Dept. of Statistics, ² Dept. of Genetic Engineering & Biotec., Rajshahi University
1:00-2:00 pm	Lunch Break
2:00-3:15 pm	Technical Session 4: Chaired by Dr. Md. Rezaul Karim Dept. of Applied Nutrition and Food Technology Islamic University, Kushtia
2:00-3:30 pm	Topic-6: <i>Next generation drug discovery: Designing Drugs by Computer.</i> Resource Person: Mr. S. M. Zahid Hosen Scientific Officer, BCSIR, Chittagong
3:30-3:45	<u>Tea Break</u>
3:45- 5:15 pm	Topic-7: <i>Introduction to computational toxicogenomics and hands-on training.</i> Resource Persons: Md. Nazmol Hasan¹ and Dr. Moizur Rahman² ¹ Bioinformatics Lab, Dept. of Statistics, ² Dept. of Veterinary and Animal Science, Rajshahi University
5:15- 6:00 pm	Closing session Feedback session BBCBA Membership drive Certificate awarding ceremony

*All trainee participants are requested to bring their own laptop PC, one multi-plug for AC power and Hi-speed wifi modem for Hands-on training sessions. The copy of all presentations will be available online in Dropbox and relevant information will be forwarded by email to all registered participants.



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&
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