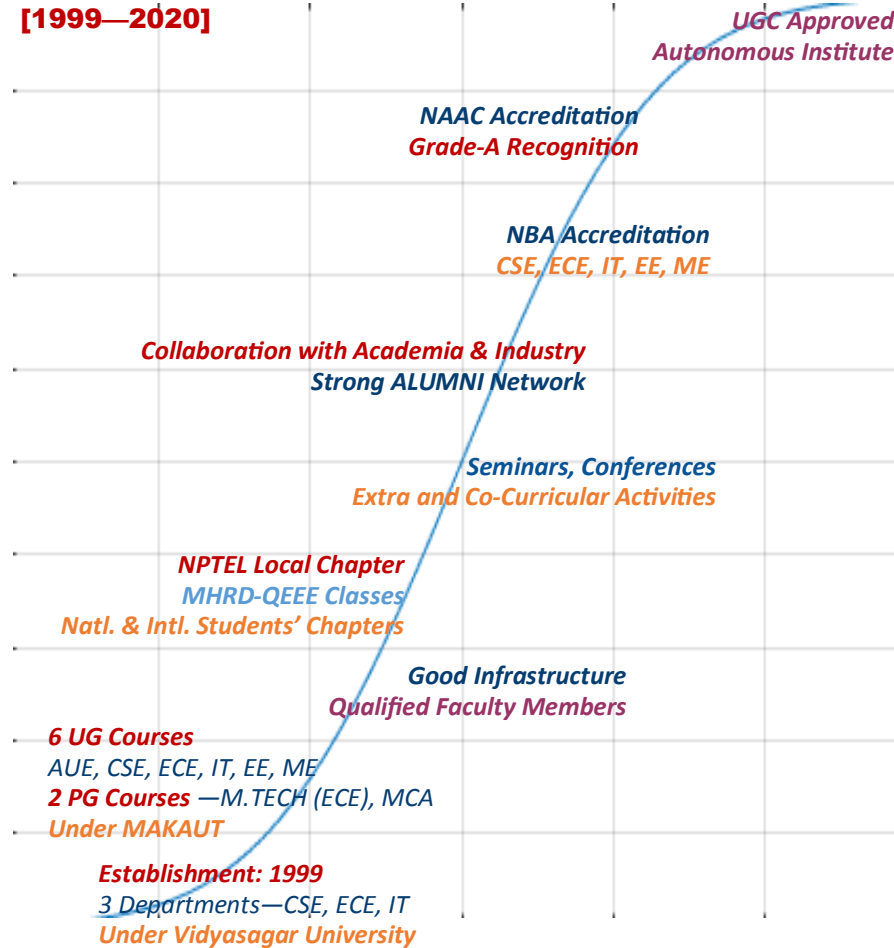


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ONE DAY INTERNATIONAL SEMINAR

ON

HUMAN GENOME IN THREE DIMENSIONS:
OUR PRESENT UNDERSTANDING OF THE
SPATIAL COMPLEXITY OF DNA

Speaker

Prof. Dariusz Plewczynski
University of Warsaw, Poland

17th January, 2020



Organized by

Department of Computer Science and Engineering
(NBA Accredited)

MCKV INSTITUTE OF ENGINEERING

(AICTE APPROVED MAKAUT AFFILIATED)

NAAC ACCREDITED GRADE – A

UGC APPROVED AUTONOMOUS INSTITUTE

MCKV INSTITUTE OF ENGINEERING: ENGINEERING MINDS

MCKV Institute of Engineering is AICTE approved, MAKAUT affiliated, NAAC accredited (Grade -A) and UGC approved Autonomous Institute. It is a pioneering degree Engineering College in Howrah district established in 1999 with a vision to impart quality technical education. For more than 19 years, MCKVIE has been known for its spirit of excellence that transforms students into intellectuals, where faculty work with the students to engineer solutions and encourage exploration across disciplines. The college endeavors to achieve higher levels of academic excellence, improve academic standards in contemporary application and research oriented approach, to foster young intellectuals and make them creative leaders in the competitive world. Institute offers Six 4-Years B. Tech Courses, One M. Tech and MCA Course.

ORGANIZING DEPARTMENT

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (NBA ACCREDITED)

Department of Computer Science & Engineering was established in the year 1999, enriched with strong resource persons and state-of-the-art laboratories. The department has always emphasized on achieving academic and professional excellence. Department started its journey with 4 year full time B.Tech program from its inception. Alumni of the department are holding prestigious positions in various MNCs and Institutes and some of them are doing research.

OBJECTIVE OF THE SEMINAR

This Seminar mainly focuses on introductory concepts of 3D-Genomics in the field of research which will help the budding engineers and potential researchers to move beyond sequencing and show interest to construct a 3D Genome.

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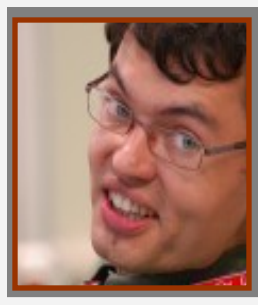
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FACULTY MEMBERS: INR 500 || STUDENTS/ RESEARCH SCHOLARS: INR 250

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Contacts: 9836773258, 9831640627



Prof. Dariusz Plewczyński

PhD, DSc , University of Warsaw

ICON OF FUNCTIONAL AND STRUCTURAL GENOMICS

SPEAKER'S BIOGRAPHY

Dariusz Plewczyński, PhD is a professor at University of Warsaw in Center of New Technologies CeNT, Warsaw, Poland, the head of Laboratory of Functional and Structural Genomics and the principal investigator at Mathematics and Information Science Department at Warsaw University of Technology. His main expertise covers computational genomics, biostatistics and bioinformatics. He is actively developing the computational intelligence algorithms, perform biophysical simulations and apply computational modeling to various interdisciplinary problems in Human genomics. His recent achievements cover qualitative and quantitative biological data analysis, the general systems theory and interdisciplinary problems in the context of bioinformatics, genomics, drug design, and systems biology; ensemble learning systems, meta-clustering techniques.

PRESENT INVOLVEMENT

He is presently involved in several Big Data projects at three institutes: Centre of New Technologies at University of Warsaw (his main affiliation), Jackson Laboratory for Genomic Medicine (an international partner of the TEAM project), and The Centre for Innovative Research (within the Leading National Research Centre KNOW 2012-2017) at Medical University of Białystok (UMB). He is participating in two large projects, namely 1000 Genomes Project (NIH) by bioinformatics analysis of genomic data from aCGH arrays and NGS (next generation sequencing, deep coverage) experiments for structural variants (SV) identification; and biophysical modeling of chromatin three-dimensional conformation inside human cells using HiC and ChIA-PET techniques within the 4D Nucleome project funded by the NIH in the USA.

PROFESSIONAL ACTIVITIES, PUBLICATIONS IMPACT

Member of the Polish Bioinformatics Society, Polish Physics Society, International Society for Computational Biology, Editor Board: "BMC Bioinformatics", BioMedCentral, UK

Major papers (total impact factor: 47.47)

Citations: 8520

Other publications (total impact factor: 62.544)

h-index: 28 / i10-index: 55

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