CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA

FDP
On

Insilico structure prediction and molecular docking

REPORT

No. of Participants: **28**

DATE AND VENUE: 17th March to 21st March, 2018, Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

RESOURCE PERSON: Dr. Santosh Kumar Behera

Dr. Santosh Kumar Behera is currently working as a Scientist B at NIPER Ahmedabad. He has completed his Ph.D from Berhampur university in Bioinformatics and had worked on the characterization of mucin proteins from fish. Presently, he is involved in various aspects of health informatics such as an In-silico analysis of various inhibitors using combinatorial tools for development and identification of potential inhibitors as anti-cancer and anti-viral therapeutics. Taking the advent computational chemistry in drug discovery process has emphasized the development of new technologies for design, synthesis, screening and decoding of combinatorial library of drugs. He is also involved in the de novo design and synthesis of peptides, peptoids and nucleic acid based molecules in order to study their therapeutic and diagnostic applications.

ABOUT THE SESSION:

A five day FDP on " Insilico structure prediction and molecular docking" was organized by the department of Biotechnology under M.S.Swaminathan School of Agriculture during 17th march 2018 to 21st march 2018 where a total of 28 faculty members from the departments of Biotechnology, Plant pathology, Biochemistry and Crop Physiology had participated. Molecular docking is a **helpful tool for performing virtual screening on various** compounds and inferring how the ligands bind to their targets. **Molecular docking** is combined with **in silico** ADME/Tox **predictions** to determine the position and **structure** of the allosteric binding site.

The FDP on “Insilico structure prediction and molecular docking” emphasized on the use of the tools of bioinformatics in the selection of ligands and receptors, study of ligand and receptor preparation, molecular docking and binding affinity analysis, insilico ADME/ TOX prediction.

OUTCOME:

The FDP was truly informative for the participants in which the participants have gained good knowledge on docking of biologically important proteins. The participants were of the opinion that they would certainly design experiments on insilico structure prediction using docking for the characterization of biologically important proteins.

Centurion UNIVERSITY

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FDP

On

Insilico Structure Prediction and Molecular Docking

17.03.2018 – 21.03.2018

ATTENDANCE SHEET

Sl. No.	Name	Signature
1	Dr. Tanmoy Shankar	Tanmoy Shankar
2	Dr. Raghu Gogada	Dr. Raghu Gogada
3	Dr. Koustava Kumar Panda	Dr. Koustava Kumar
4	Dr. Puspalatha G	Rg
5	Dr. Dinkar Gaikwad	dr. Dinkar Gaikwad.
6	Dr. Pusparani Senjam	Dr. Puspa Rani Sen
7	Dr.Jayakishan Meher	Dr. Jaya Kishan
8	Dr. B.Praveen	Praveen
9	Dr. Abhinandita sahu	Abhinandita Sahu
10	Dr. Srihema Gampala	Srihema Gampala.
11	Dr. Preetha Bhadra	Preetha Bhadra
12	Dr. Narayan Gouda	Narayan Gouda.
13	Dr.Dojalisa Sahu	Dojalisa Sahu
14	Mr.Kartik Paramanik	Kartik Paramanik
15	Dr. B.P.Mishra	B.P. Mishra.
16	Ms. Gyanabharati Palei	Gyanabharati Palei

17	Dr. Priyadarshini Mohapatro	P. mohapatro
18	Dr.Pratibha Rani Deep	Pratibha
19	Dr. Rahul Adhikari	Rahul Adhikary
20	Ms. Madhuri Pattnaik	Madhuri
21	Dr. Arunabha Pal	Arunabha
22	Dr. Rema Das	Rema Das
23	Dr. Priyanka Nandi	Priyanka Nandi
24	Dr. Santanu Das	Santanu Das
25	Dr. G.V. Ramana	G.V. Ramana.
26	Ms. N. Sandhya	
27	Dr. G.C. Mishra	G.C. Mishra
28	Dr. M. Devender Reddy	M. Devender Reddy