

Internship

Theme: Bio-molecule Profiling

The 9th batch of internship on 'Biomolecule Profiling', which is the 1st batch of summer 2018 season on Biomolecule Profiling, has started on 21st of May, 2018. The interns of this group are Pompi Bordoloi, JRF, Advance Institutional Level Biotech Hub, Dhing College, Nagaon; Sraeeta Ghosh, B.Tech & M.Tech (Dual Degree in Biotechnology), 7th Sem., KIIT School of Biotechnology, Bhubaneswar; Neha Nupur and Himakshi Bharali, M.Sc (Bioinformatics) 3rd Sem., Central University of South Bihar; Susmita Das, M.Sc (Biomedical Genetics) VIT, Vellore, Tamil Nadu, Bhaskar Jyoti Das and Vivek Barman, M.Sc (Biotechnology) 3rd Sem., VIT, Vellore, Tamil Nadu.

The program is under the primary supervision of Dr. Madan Gopal Barthakur, Senior



Dr. M.G. Barthakur, SS, Dr. R. Ch Dev Goswami, RA, Mr. P. Barooah, RA, Mr. J. Rajbongshi, LA and Mr. K. Gauli, LA along with students of the internship programme on Biomolecule profiling

Scientist, GBP. Some aspects of the program also have associate-supervision of Dr. Rajiv Ch. Dev Goswami, RA, Mr. Prajjalendra Barooah, RA and assistance from Mr. Kamal Gauli and Mr. Jintu Rajbongshi Lab Assistants, GBP.

The internship involves extraction of a few plant species of Assam, profiling of molecules present in the extracts and anti-microbial activity screening of few extracts. The plant species taken up are either having traditional medicinal use or expected to contain potential medicinal compounds. This internship course comprises of laboratory techniques and R&D skills on solvent extraction (Soxhlet, Sonication etc), chromatographic separation, use of high-end analytical instruments like Gas Chromatography Mass Spectrometry (GC-MS) etc for molecule profiling and an overall training on good laboratory practices.

Theme: Basic Techniques on Molecular Biology, Microbiology and Imaging

The 7th Batch of Internship on Basic Techniques on Molecular Biology, Microbiology and Imaging for one month was started from 15th May 2018. The intern students viz. Debadrita Mukherjee, Ananwita Mohapatra of KIIT Odisha and Abinash Kumar, Karunya Institute of Technology & Sciences underwent the internship program under the supervision of Mr Prajjalendra Barooah, RA, GBP; Dr Rajiv Ch Dev Goswami, RA and Dr Bula Choudhury, Senior Scientist, GBP. The students in this program were given a basic introduction to techniques in Microbiology such as serial dilution, culture isolation, plating, antibiotic assays and Molecular biology such as DNA isolation, PCR, RFLP, Protein isolation, SDS PAGE, FPLC etc and Imaging in Confocal and Fluorescence microscopes.



Dr. R. Ch Dev Goswami, RA along with students of the internship programme on Molecular Biology, Microbiology and Imaging

Theme: Application of Sophisticated Analytical Instruments

A batch of interns in the area of “Application of Analytical Instrument for Identification and Quantification of compounds in Plant Extracts” at GBP have done their internship project work during May-June, 2018 under the supervision of Dr. Saurav Dey, Technical Officer, GBP.

The interns of this group are Mr. Arnab Bhattacharjee, KIIT University, Patia, Bhubaneswar, Odisha, Mr. Aniket Naha, Mr. Musa Al Murad, M.Sc 2nd year student (Biotechnology), Miss

Ruprekha Sharma, Miss Reetika Debroy, M.Sc 2nd year student (Applied Microbiology) at School of Bio-Sciences and Technology (SBST) under Vellore Institute of Technology (VIT), Vellore, Tamil Nadu and Mr. Md. Harun Rashid, M.Sc 2nd semester student at Department of Life Science and Bioinformatics under Assam University, Silchar.



Dr. S. Dey, TO along with students of the internship programme on Application of Sophisticated Analytical Instruments

Exposure Visits

North Eastern Regional Institute of Science & Technology

32 graduate and post graduate students accompanied by faculties of Department of Forestry, North Eastern Regional Institute of Science & Technology (NERIST), Deemed University, Nirjuli (Itanagar), Arunachal Pradesh visited GBP on 7th May 2018. They were guided by Dr Awadhesh Kumar and Dr Karuna Srivastava and given a brief tour of GBP facilities.



Students and faculty members NERIST, Arunachal Pradesh during their visit to GBP

Deomornoi Higher Secondary School

Higher Secondary Students of Deomornoi Higher Secondary School, Kharkhowapara, Darrang, Assam visited Guwahati Biotech park on 2nd May 2018. There were a total of 60 number of students in the group. The students were guided by Mrs Bibi Bordoloi, Coordinator, BLISS, Mr Akshay Kumar Nath, Principal and other teachers Mr Jitendra Barman, Mrs Juri Bhattacharya of Deomornoi HS School. During the visit the students got an opportunity to interact with the

scientific team of GBP along with the incubatees present at GBP. They also were given a brief idea about the various instrumentation and laboratory facilities available at GBP.



Students and faculty members Deomornoi HS School, Darrang during their visit to GBP



Installation of 50L Rotavapor R-250 at GBP

New Equipment Installation

Installation of 50L Rotavapor R-250, make: BUCHI was completed in GBP on 21st May 2018. GBP scientific team were given a basic demonstration of the instrument. The instrument maybe used for the purpose of concentrating extracts of upto 50L under vacuum to a desired smaller volume and is ready to be used by in house incubates as well as other users on a pay and use basis.

Interactive session on NEIDS

Dr Bula Choudhury, Senior Scientist, GBP attended the interactive session held on North East Industrial Development Schemes (NEIDS, 2017) with Dr Vandana Kumar, IAS Joint Secretary, Department of Industries and Commerce (DICC) at Taj Vivanta on 1st May 2018.

Tender evaluation for consumables

The Tender evaluation meeting for Annual Rate Contract for the supply of items grouped as Chemicals/ Solvents, Plastic ware, Glassware was held on, 19th May, 2018 in the conference hall of GBP. All members of the tender evaluation committee were present during the meeting.

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