

DEPARTMENT: BIOTECHNOLOGY

PROGRAM: Inter-Institutional 2-day Hands-on Workshop on "Biosparkles - Changing Trends in the Molecular and Computational Techniques in the Post-Genomic Era"

DATE: 06-11-2023 and 07-11-2023

TIME: 10 am to 5pm

PARTICIPANTS: B.Sc Life Science students (34) and Life Science Faculties (03).

ORGANIZER: Dept. of Biotechnology, MMK & SDM MMV College.

VENUE: IBAB, Bengaluru.

OBJECTIVE: To educate students on Bioinformatics tools - Genomics and Proteomics.

RESOURCE PERSONS: Prof. Kshitish K Acharya, Professor, IBAB, Bengaluru and Dr. GovindBalagannavar, Asst. Prof, IBAB, Bengaluru.

PROGRAM DETAILS: The students were introduced to the microarray and NGS techniques and discussions were carried out with a case study for RNA-sequencing technology vs. the microarray technology. The demonstration of the GEO & SRA databases and microarray & RNA-sequence data analysis were taught to the participants. The hands on practice session with examples was carried out by the participants individually and the certificates were issued.

PROGRAM OUTCOME: The participants gained knowledge of Computational Biology in 'Biomarker discovery', 'Transcriptomics', 'Genomics', 'Mammalian gene expression regulation' and 'spermatogenesis'. The certificates were issued for participants post workshop.

PHOTO:



2-day Hands-on Workshop on "Biosparkles - Changing Trends in the Molecular and Computational Techniques in the Post-Genomic Era"

Bharathi N

PRINCIPAL

MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysore-570 004



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Department of Biotechnology
Ministry of Science & Technology
Government of India

Workshop Schedule

6 Nov 2023		
Time	Broad Topic	Coordinator
9.30-11:15 am	Discussions on the genomic and other 'omic' concepts	Kshitish
11:15-11:30 am Tea Break		
11:30- 12:30pm	An overview of the human genome project	Kshitish
12:30-1:30 pm Lunch Break		
1:30 – 2:30 pm	Introduction to the microarray and NGS techniques	Kshitish
2:30 - 3:30 pm	Discussions with a case study for RNA-sequencing technology vs. the microarray technology	Govind
3:30 - 3:45 pm Tea Break		
3:45 – 6:30 pm	Demonstration of the GEO & SRA databases	Kshitish, Govind, Ashikha, Moushumi, Umar, Shivali

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Coordinators & Trainers

- *Prof. Kshitish K Acharya, Professor, IBAB (Resource person, teacher and trainer)*
- *Dr. Govindkumar C Balagannavar, (Teacher and trainer)*

Teaching Assistants

- *Ms. Moushumi G*
- *Ms. Ashikha S*
- *Ms. Shivali J*
- *Mr. Umar Javid*

Administrative coordinator:

- *Ms. R. Kavitha, Scientific Administrative Assistant, IBAB, Bengaluru*

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(Managed by: SDME Society, Ujire)

Mysore Makkala Koota &

SHRI DHARMASTHALA MANJUNATHESWARA MAHILA MAHAVIDYALAYA

Krishnamurthypuram, Mysore - 570 004



Prof. Sainath Malligemadu
Principal

Dr. D Veerendra Heggade
President: SDME Society, Ujire.

Ref No.: MMK&SDM/MMV/824/2023 to 2024

17-10-2023

To
The Co-ordinator,
Institute of Bioinformatics and Applied Biotechnology (IBAB),
Bangalore.

Dear Sir/ Madam,

Sub: Regarding Two days' Hands-On Workshop on "Next Generation Sequencing, Microarray analysis and Humangenome project" for Final year B.Sc. Life Science students (BtBM) at your prestigious institution IBAB, Bangalore as part of **MoU program**.

MMK & SDM MahilaMahaVidyalaya, Mysuru established in 1990, is now one of the prestigious Educationcentre in the city of Mysore. The College offers courses in pre-university and degree course in Science, Computers, Commerce& Management. The institution has been striving to attain all round excellence and to impart quality education along with ethical and cultural awareness to students of all strata of society under the dynamic guidance of **Padmavibhushana awardee Poojya Dr. D. VeerendraHeggade**. As the President of SDM Educational Society, he has been phenomenally successful in leading more than 56 Institutions throughout Karnataka.

With this description, we are delighted to organize an **Inter-Institutional level Twodays' workshop as part of our MoU agreement (SDM and IBAB)** for our Final year B.Sc. Life Science students (BtBM) (Total no. - 35) accompanied by five faculties on 6th and 7th November 2023 at IBAB Bangalore. This workshop will help in providing comprehensive approach towards developing modern and innovative technologies that will act as a foundation for future products and research benefitting human welfare. Kindly consider and oblige.

Thanking You,

With regards,

Prof Sainath Malligemadu
Principal

MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysore-570004



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Prof. Sainath Malligemadu
Principal

Dr. D Veerendra Heggade
President: SDME Society, Ujire.

DEPARTMENT OF BIOTECHNOLOGY 2023-24

BIOSPARKLES – “Changing Trends in the Molecular and Computational Techniques in the Post-Genomic Era”

PARTICIPANTS LIST

DATE: 06-11-2023 & 07-11-2023 TIME: 09:30 am to 6:30 pm VENUE: IBAB, Bengaluru.

Sl. No	NAME	ROLL NO	CLASS	SIGNATURE
1.	ANANYA K.R	21100	III BMBt	
2.	ANU S.P	21102	III BMBt	
3.	ARCHANA K.R	21103	III BMBt	
4.	HARSHITHA .U	21105	III BMBt	
5.	JAHNAVI .G . BEDRE	21106	III BMBt	
6.	K.M. NISHKA	21107	III BMBt	
7.	KUSHI JAIN.D	21108	III BMBt	
8.	LOURD KOURNIKOVA.A	21109	III BMBt	
9.	M.G. SANVI GOWRAMMA	21110	III BMBt	
10.	NAGASHREE.M	21113	III BMBt	
11.	NANDINI.C	21114	III BMBt	
12.	NIKITHA .K	21115	III BMBt	
13.	NISARGA RAJSHEKAR	21116	III BMBt	
14.	NISARGA RAMESH	21117	III BMBt	
15.	NISARGA RAVICHANDRA	21118	III BMBt	
16.	PRATHIKSHA . H.G	21119	III BMBt	
17.	PRIYANKA .U	21120	III BMBt	
18.	PRUTHVI.K	21121	III BMBt	
19.	RIDHI NAGRAJ	21122	III BMBt	
20.	RUCHITHA .M.R	21123	III BMBt	
21.	SAHANA .H.S	21124	III BMBt	
22.	SAHANA.P	21125	III BMBt	
23.	SANJANA .K.N	21126	III BMBt	
24.	SHILPA.B.P	21127	III BMBt	
25.	SIHI SATHISH	21128	III BMBt	
26.	SNEHA .H.S	21129	III BMBt	
27.	SONU .C	21130	III BMBt	
28.	SPANDANA .B.S	21131	III BMBt	
29.	SUCHITHA .SHREE.H	21132	III BMBt	
30.	SUPRITHA .B	21133	III BMBt	
31.	SURAKSHA .R	21134	III BMBt	
32.	TEJASWINI .T.G	21135	III BMBt	
33.	USHA .M	21136	III BMBt	
34.	YASHAWINI .G.K	21137	III BMBt	

PRINCIPAL

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