

Department of Chemistry & Biochemistry

REF: MSRCASC-A/VAP/CIR/Chem-Bio/2024-25_44

Date: 29-07-2024


CIRCULAR

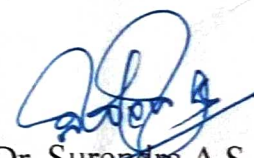
Department of Chemistry & Biochemistry is organizing a value-added program on "Immunohistochemistry, FISH and Karyotyping Techniques" for M. Sc Biochemistry students from 30th July to 02nd Aug., 2024.

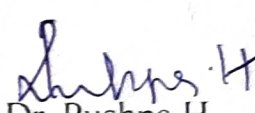
- Resource Persons:
- 1. Prof (Dr.) Clement Wilfred D**
Central Research Laboratory,
R.M.C.H
 - 2. Mr. Jaikumar R**
Sr. Laboratory Technologist,
Central Research Laboratory
R.M.C.H
 - 3. Ms. Drisya Udayan,**
Jr. Cytogenetist,
Central Research Laboratory,
R.M.C.H
 - 4. Muralidhara S**
Laboratory Technologist,
Central Research Laboratory,
R.M.C.H


Venue: Central Research Laboratory

- Coordinators:
- 1. Dr. Vasanth K Bhaskara Ph. D**
R.C.A.S.C
 - 2. Prof (Dr.) Clement Wilfred D**
Central Research Laboratory,
R.M.C.H


Dr. Vasanth K Bhaskara
Coordinator


Dr. Surendra A S
HoD (PG)


Dr. Pushpa H
Vice-Principal


Dr. Vatsala G
Principal

Department of Chemistry & Biochemistry
Ramaiah College of Arts, Science and Commerce
In association with
Central Research Laboratory
Ramaiah Medical College & Hospitals

Organizes
A Value Added Program
On

“Immunohistochemistry, FISH and Karyotyping Techniques”

From: 30-07-2024 to 02-08-2024
Venue: Central Research Laboratory
Ramaiah Medical College & Hospitals

Program Coordinators

Prof (Dr.) Clement Wilfred D
M.D, DNB, MAMS
RMCH

Dr. Vasanth K Bhaskara
Ph.D, PDF (USA)
RCASC

Organizers

Dr. Surendra A S, HoD (R.C.A.S.C)
Dr. Nandini S (R.C.A.S.C)
Dr. Suveditha S (R.C.A.S.C)
Ms. Tanisha Rathore (R.C.A.S.C)

(in association with)

Central Research Laboratory

Ramaiah Medical College & Hospitals

Organizes A Value Added Program on

“Immunohistochemistry, FISH and Karyotyping Techniques”

About RCASC:

MS Ramaiah College of Arts, Science and Commerce has been established in 1994 under the umbrella of Gokula Education Foundation (GEF) trust. RCASC is Re-accredited with “A” grade by NAAC, permanently affiliated to BCU, approved by AICTE and received DBT star college recognition.

PROGRAM OBJECTIVE:

- To get M.Sc Biochemistry students hands-on experience
- To motivate students by learning frontier techniques apart from regular academics
- To orient students about the applications and job prospects of these techniques

PROGRAM OUTCOMES:

- This program nurture the students with skill and knowledge
- Interaction with experts can give students clarity about their job roles in hospitals
- Motivation can help students to perform better in their regular academics

Program Coordinators: Dr. Vasanth K Bhaskara (RCASC) and Prof (Dr.) Clement Wilfred D (RMCH)

PATRONAGE

Dr. M R Jayaram,

Chairman, GEF

Shri M R Janakiram,

Hon'ble Director, GEF

Shri M R Kodandaram,

Hon'ble Director, GEF

Shri B S Ramaprasad (Rtd. IAS),

Chief Executive Officer (Gen Sci., GEF)

Shri G Ramachandra,

Chief of Finance (Gen Sci., GEF)

Prof. B.S Jayaram

I/C Principal, M.S.R.C.A.S.C

ORGANIZING COMMITTEE

Dr. Surendra A. S,

HoD, M.S.R.C.A.S.C

Dr. Nandini S,

Assistant Professor, M.S.R.C.A.S.C

Dr. Suveditha S,

Assistant Professor, M.S.R.C.A.S.C

Ms. Tanisha Rathore,

Assistant Professor, M.S.R.C.A.S.C

Event completion report

SECTION A: Event Details

Event	VALUE ADDED PROGRAM
Starting date of event	30 th July, 2022
Duration of event (in days)	FOUR DAYS
Name of the event organizing department	Department of Chemistry & Biochemistry
Sponsor of the event	RCASC
Number of participants	25
Committee members	Prof (Dr.) Clement Wilfred D (Coordinator, CRL, RMCH) Dr. Surendra A S (HoD, R.C.A.S.C) Dr. Vasanth K Bhaskara (Coordinator, R.C.A.S.C) Dr. Nandini S (R.C.A.S.C) Dr. Suveditha S (R.C.A.S.C) Ms. Tanisha Rathore (R.C.A.S.C)
Chief Guest / Guest of Honor	NONE
Name of the speakers with affiliation	Prof (Dr.) Clement Wilfred D (Coordinator, CRL, RMCH) Dr. Vasanth K Bhaskara (Coordinator, R.C.A.S.C) Technical Staff – (CRL, R.M.C.H) Mr. Jai Kumar R Ms. Drisya Udayan Mr. Muralidhara S Ms. Rashmi K V



Department of Chemistry & Biochemistry

Report on Value Added Program on

“Immunohistochemistry, Karyotyping and FISH Techniques”

Number of participants: **13 (Batch-I) + 12 (Batch-II) = 25 Nos.**

Date(s): **30-07-2024 To 02-08-2024**

Time: **09.00 a. m to 05.00 p. m**

Venue: **Pathology Department/Central Research Laboratory, R.M.C.H**

Program objective:

Department of chemistry & biochemistry is conducting a value-added program for PG students on “Immunohistochemistry, Karyotyping and FISH Techniques” in collaboration with Department of Pathology/Central Research Laboratory, R.M.C.H, Bengaluru.

Main objectives of the program include:

- To get M. Sc Biochemistry students hands-on experience
- To motivate students by learning frontier techniques apart from regular academics
- To orient students about the applications and job prospects of these techniques

Program Outcomes:

Ramaiah college campus with multiple institutes and programs is an important strength to have resource sharing for the benefit of students. Students through this program are getting the opportunity to practically observe their classroom observation under real practical situations.

Important Outcomes expected from this program:

- This program nurtures the students with skill and knowledge
- Interaction with experts can give students clarity about their job roles in hospitals
- Motivation can help students to perform better in their regular academics

Event Description:

Program started with theoretical sessions of respective techniques in the morning as the first activity by Prof (Dr.) Clement Wilfred. Students, after acquiring the theoretical observations during lecture sessions could translate into practical observations during the hands-on training and practical sessions. These topics of the training were continuation of sessions conducted by Dr. Vasanth K Bhaskara. Mr. Jai Kumar R Ms. Drisya Udayan, Ms. Rashmi K V and Mr Muralidhara S are the technical assistants those who given practical training to the students. Human breast cancer tissue biopsies after grossing the vasectomized breast tissues have been used for practicals to demonstrate from the processing step to tissue cutting by microtone followed by fluorescence *in situ* hybridization (FISH) to check HER2 amplification, immunohistochemistry (IHC).

Next day is started with lecture sessions related to karyotyping of amniotic fluid to determine the number and anomaly of the chromosome in the samples. Students

could understand the abnormal karyotype in amniotic fluid samples of abnormal and normal pregnant women.

Both coordinators including Dr. Vasanth K Bhaskara (R.C.A.S.C) and Prof (Dr.) Clement Wilfred D (CRL, R.M.C.H) have monitored the student regularity in attending the sessions and evaluated by conducting the quiz at the end of the program.

This program could motivate students and acquire new skills that are required for their further academics and used in hospitals. This exposure can help them to continue related work as research associate, in their Ph. D or in hospital jobs.

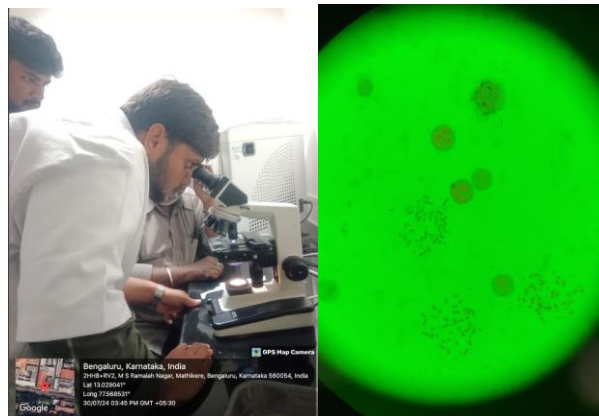
Geo-Tag Photographs of the program:



Photograph: Students attending sessions of Prof (Dr.) Clement Wilfred D



Photograph: Students performing karyotyping experimentation



Photograph: Students observing the IHC/FISH results



Photograph: Analysis of FISH/Karyotyping



Photograph: Group photo with Prof. Vijaya V Mysorekar



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Value Added Program On: **Immunohistochemistry, FISH and Karyotyping Techniques"**
 From: 30-07-2024 to 02-08-2024 (Total Hours: 4 X 8 hrs from 9.00 am to 5.00 pm = 32 hrs)

Students: M. Sc Biochemistry II (2023 25 Batch)

BATCH-II

#	Name of the Student	Reg. No	30-07-2024	31-07-2024	01-08-2024	02-08-2024	Evaluation (10 Marks)	SIGNATURE
1	SYED UMAR	P18EV23S20014	P	P	P	P	5	[Signature]
2	SUDEEP S	P18EV23S20015	P	P	P	P	5	[Signature]
3	JAYANTH H	P18EV23S20016	P	P	P	P	5	Jayanth H
4	ANUSHA S	P18EV23S20018	P	P	P	P	5	Anusha S
5	BHUMIKA S	P18EV23S20019	P	P	P	P	5	[Signature]
6	BRUNDA H N	P18EV23S20020	P	P	P	P	6	Brunda H N
7	SANDHYA J	P18EV23S20021	P	P	P	P	5	Sandhya J
8	DEEKSHITHA G	P18EV23S20022	P	P	P	P	5	Deekshitha G
9	SWATHI R	P18EV23S20023	P	P	P	P	6	Swathi R
10	MANOJ C R	P18EV23S20024	P	P	P	P	7	Manoj C R
11	SRUJANA PATEL	P18EV23S20025	P	P	P	P	6	Srujana Patel
12	YUKTA S	P18EV23S20026	P	P	P	P	4	Yukta S
							8	

D. Clement Wilfred D

Prof (Dr.) Clement Wilfred D
 Central Research Laboratory, RMCH

Dr. Vasanth K Bhaskara

Dr. Vasanth K Bhaskara
 RCASC

"CENTRAL RESEARCH LABORATORY
 M.S. RAMAIAH MEDICAL COLLEGE
 MSR NAGAR, MSRIT POST,
 BANGALORE - 560 054."



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Value Added Program On: **Immunohistochemistry, FISH and Karyotyping Techniques**
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Students: M. Sc Biochemistry II (2023 25 Batch)

BATCH-I

#	Name of the Student	Reg. No	30-07-2024	31-07-2024	01-08-2024	02-08-2024	Evaluation (10 Marks)	SIGNATURE
1	AMRUTHA V V	P18EV23S20001	(A)	P	P	P	5	Amrutha V
2	REDDAIAH ROHITH P	P18EV23S20002	P	P	P	P	5	Rohith P
3	LOGAVARSHINI S	P18EV23S20003	P	P	P	P	5	Logavarshini S
4	VARUN N M	P18EV23S20004	P	P	P	P	5	Varun N M
5	VISHWAJEETH U R	P18EV23S20005	P	P	P	P	5	Vishwajeeth U R
6	SAI CHARAN A	P18EV23S20006	P	P	P	P	7	Sai Charan A
7	AARDRA R S	P18EV23S20007	P	P	P	P	7	Aardra R S
8	POOJA T	P18EV23S20008	P	P	P	P	5	Pooja T
9	ARYA ANILKUMAR	P18EV23S20009	P	P	P	P	5	Arya Anilkumar
10	JYOTHIKA A	P18EV23S20010	P	P	P	P	5	Jyothika A
11	JOYSRI DEY	P18EV23S20011	P	P	P	P	5	Joysri Dey
12	ANANYA CHOUDHURY	P18EV23S20012	P	P	P	P	5	Ananya Choudhury
13	JALAJA B S	P18EV23S20013	P	P	P	P	5	Jalaja B.S.



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Recognised DBT Star College.



Certificate of Participation

This Certificate is presented to

AMRUTHA V

of M Sc Biochemistry at **Ramaiah College of Arts, Science and Commerce** for successfully attending the value-added program on "*Immunohistochemistry, FISH and Karyotyping Techniques*" which was organized by Department of Chemistry & Biochemistry, Ramaiah College of Arts, Science and Commerce, Bengaluru in collaboration with Central Research Laboratory, Ramaiah Medical College & Hospitals from 30th July – 02nd Aug., 2024.

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Coordinator,
Department of Chemistry/Biochemistry
R.C.A.S.C

Prof (Dr.) Clement Wilfred D

Coordinator,
Incharge of Central Research Laboratory
R.M.C.H

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Head,
Department Chemistry/ Biochemistry (PG)
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REDDAIAH ROHITH P

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LOGAVARSHINI S

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SAI CHARAN A

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SUDEEP S

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Certificate of Appreciation

This Certificate is presented to

Prof (Dr.) Clement Wilfred D

of Central Research Laboratory at **Ramaiah Medical College and Hospital** for successfully coordination, delivering the lectures and conducting the value-added program on *"Immunohistochemistry, FISH and Karyotyping Techniques"* organized by Department of Chemistry & Biochemistry, Ramaiah College of Arts, Science and Commerce, Bengaluru in collaboration with Central Research Laboratory, Ramaiah Medical College & Hospitals from 30th July – 02nd Aug., 2024.

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JAI KUMAR R

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DRISYA UDAYAN

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