

**Division of Human Genetics**

**Department of Anatomy**

**St. John's National Academy of Health  
Sciences (SJNAHS)**



**CME**

**“Recent Strategies in Cancer Cytogenetics”**

**On 14<sup>th</sup> September 2022**

**&**

**Hands on Workshop on**

**“Diagnostic FISH”**

**On 15<sup>th</sup> September 2022**

**Venue: Cardinal Gracias Hall (Room  
No. 117), Ground Floor,  
St. John's Medical College,  
Sarjapur Road,  
Bangalore – 560 034**

***Organized by***

**Division of Human Genetics,  
Department of Anatomy,**

**Organizing Secretary: Dr.Amudha**

**Organizing Chairperson:**

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*Dear Friends,*

*Advances and breakthroughs in genetic sciences are continually in the news, attracting great interest because of the recent pandemic situation which we all faced. Genetics is not only for diagnosis, the recent developments in genetics testing are eventually in treating diseases.*

*Medical Genetics must be equipped to integrate clinical knowledge and science appropriately into all areas of medicine in order to deliver a dimension of practice and patient care.*

*The objective of this CME is to highlight the importance of Genetic testing in Medical Genetics, familiarity with Cytogenetics, as well as for those who wish to make it their career in field of Genetics  
Hearty welcome!*

**Chief Patrons**

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## CME: Recent Strategies in Cancer Cytogenetics, 14<sup>th</sup> September 2022

### **PROGRAM SCHEDULE**

| Time            | Topic                                                                                           | Speakers                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 8.15 - 8.45 am  | <b>Registration</b>                                                                             |                                                                                                                        |
| 9.00 – 9.30 am  | <b>Inauguration</b>                                                                             |                                                                                                                        |
|                 | <b>Chairperson – Dr Prasanna Kumari, Consultant Cytogeneticist, HCG Bangalore</b>               |                                                                                                                        |
| 9.30 - 10.15 am | “Therapy & Management of Leukemia using Cytogenetics markers”                                   | Dr Cecil Ross, Professor & Head, Hematology SJMCH, Bangalore                                                           |
| 10.15-10.30 am  | <b>Coffee Break</b>                                                                             |                                                                                                                        |
| 10.30 -11.15 am | “Importance of Cancer Genetics in Oncology practice”.                                           | Dr. Hari Menon, Professor Department of Medical Oncology, SJMCH, Bangalore                                             |
| 11.15 -12.00 am | Role of FISH Markers in Paediatric Haemt Oncology                                               | Dr. Anand Prakash, Professor & Head Paediatrics Haemt-Onco, SJMCH, Bangalore                                           |
| 12.00 -12.45 pm | Recent trends in FISH (SKY, mFISH, mBand & ICP)                                                 | Prof. Jayaram S. Kadandale, David A. Hungerford Chair and Director, Center for Human Genetics, Biotech Park, Bangalore |
| 12.45 -1.15 pm  | Basics of Flow Cytometry and Its Clinical Applications followed by FISH (Emphasis on procedure) | MPradeep Kumar M Teli, Application support flow cytometry and FISH, Sysmex India Pvt Lt                                |
| 1.15 - 2.00 pm  | <b>Lunch Break</b>                                                                              |                                                                                                                        |
| 2.00 - 2.45 pm  | FISH and its Application in Cancer Cytogenetics.                                                | Dr. Sundareshan, Director- Cytogenetics, Dr. Rao’s Diagnostics Genetic Centre, Bangalore.                              |
| 2.45 - 3.30 pm  | Importance of Her2 markers in Solid Tumors                                                      | Dr. Ganesha, Medical Onocologist, SJMCH, Bangalore                                                                     |
| 3.30 – 3.45 pm  | <b>Coffee Break</b>                                                                             |                                                                                                                        |
| 3.45 - 4.30 pm  | Identification of Cytogenetics Markers in Leukemia by FISH                                      | Dr Amudha Subramaniam, Division of Human Genetics, St. John’s Medical College, Bangalore                               |
| 4.30 – 5.00 pm  | <b>Valedictory</b>                                                                              |                                                                                                                        |

## Hands on Workshop on “Diagnostic FISH, 15<sup>th</sup> September 2022

### *Program Schedule*

| <i>Time</i>           | <i>Topic</i>                                                                                   | <i>Speakers</i>                                                                                                 |
|-----------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>8.15 – 9.00 am</b> | <b>Registration</b>                                                                            |                                                                                                                 |
| <b>9.00 – 9.30 am</b> | <b>Inauguration</b>                                                                            |                                                                                                                 |
| <b>9.30–10.00 am</b>  | <b>Principles of FISH and Introduction of FISH probes</b>                                      | <b>Dr Amudha, Lecturer, Division of Human Genetics, St. John’s Medical College, Bangalore</b>                   |
| <b>10.00-10.30am</b>  | <b>Slide preparation probe addition and Hybridization</b>                                      |                                                                                                                 |
| <b>10.30-10.45am</b>  | <b>Coffee Break</b>                                                                            |                                                                                                                 |
| <b>12.15 -1.00 pm</b> | <b>Application of FISH probes in Leukemia</b>                                                  | <b>Dr Lambert Nyobe<br/>Coordinator, International marketing<br/>Wuhan Health Care Ltd, China<br/>(Virtual)</b> |
| <b>1.00 – 2.00 pm</b> | <b>Lunch Break</b>                                                                             |                                                                                                                 |
| <b>2.00 – 2.45 pm</b> | <b>Post Hybridization washes</b>                                                               |                                                                                                                 |
| <b>2.45 – 3.15 pm</b> | <b>Digital Microscopy, Image analysis</b>                                                      |                                                                                                                 |
| <b>3.15 – 3.30 pm</b> | <b>Coffee Break</b>                                                                            |                                                                                                                 |
| <b>3.30 – 4.30 pm</b> | <b>Automated scanning and karyotyping system demonstration from ASI, Israel.<br/>(Virtual)</b> |                                                                                                                 |
| <b>4.30 – 5.00 pm</b> | <b>Valedictory</b>                                                                             |                                                                                                                 |

#### Registration fee for CME

KMC credit hours will be applicable for participants with KMC Registration Number only

**Faculty /Delegates/Researchers**

**Rs.2000/-**

**PG/Students**

**Rs.1000/-**

**Registration fee for Workshop (Restricted to 25 participates on first come basis)**

**Delegates**

**Rs.5000/-**

**PG**

**Rs.4000/-**

**\*(Plus) GST 18%**

To complete registration click on this link

[https://cmis.stjohns.in/anon\\_evForm.htm?ev=145](https://cmis.stjohns.in/anon_evForm.htm?ev=145)