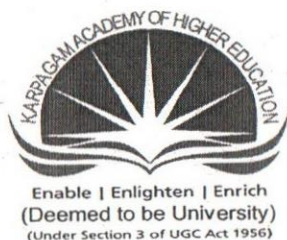


**HANDS - ON TRAINING
ON
CYTOMORPHOMETRIC
TECHNIQUES AND RAPID
DIAGNOSES - II**

March 9, 2016

**Organized by
Departments of Biotechnology
& Microbiology**



**KARPAGAM ACADEMY OF HIGHER
EDUCATION**

*Deemed to be University Established Under Section 3
of UGC Act, 1956*
Pollachi Main Road
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Karpagam Charity Trust was founded in the year 1989 with the aim of providing excellent educational facilities by imparting practical knowledge and skills to the youth and also catering to the needs of the society in general through charitable deeds. The Karpagam Arts and Science College (Autonomous) evolved into Karpagam Academy of Higher Education in the year 2008 for the purpose of conferment of Deemed to be University status by **Ministry of Human Resource Development, Vide No. F.9.24/2004.U.3 (A) dated 25.08.08.**

University education, in today's *scenario*, is witnessing a huge paradigm shift and at Karpagam, we are geared to be part of that transformation. Our evolution into a University of world standard has been possible only by consistent endeavor to achieve excellence in education and we work towards ensuring that our students too strive relentlessly to excel in their efforts. Be it Arts or Science, Commerce or Management, Humanities or Engineering, we ensure that our education epitomizes excellence in every sphere.

Steered by the dynamic spirit of our President, Dr.R.Vasanthakumar eminent industrialist and philanthropist and the extensive experiences of Shri. K. Murugaiah, CEO, Dr. S. Subramanian, Vice-Chancellor and Dr. G. Sekar, Registrar, our University will continue towards the emergence of excellence.

In the year 2014, a survey was conducted by the *SCImago Institutions Ranking world reports* (SIR) for the performance of research-intensive higher educational institutions (HEIs) in India, Karpagam University had been ranked for the quality of research under Elite category (Current Science, 107:3-389-396, 2014).

DETAILS OF DEPARTMENTS

The Department of Biotechnology was established in the year 2001 while department of Microbiology year 2002. The aim is to promote quality and value based education as well as motivating the practical skills of students as well as create progressive research environment to meet the demands of the society. These departments have tremendously contributed in the field of research with publication in both National and International Journals, grants from

various funding agencies like UGC, ICMR, DST, DBT and Ministry of Forest and Environment. The thrust area of research includes microbial enzymes, cancer biology, diabetes, medicinal plants, environmental and bioremediation, plant genetic engineering and insect biology. To our credit, already 22 of the research outcomes were filed for patents.

ABOUT THE PROGRAM

The main objective of the training is to create awareness and provide practical skills on Quantitative cytological changes in cell and an insight into clinical pathogens. Hence, this will be an exciting event for students to learn more about the recent trends in the field of life sciences.

TECHNICAL DETAILS

CYTOMORPHOMETRIC TECHNIQUES

- Sample preparation and processing
- Slide preparation and Smearing methods
- Staining Procedures
 - May-Gronwald Giemsa staining
 - AgNOR staining
- Cell visualization and magnification
- Morphometric analysis
 - Cell diameter, nuclear diameter
- Cell Counting
- Calculation and Report.

RAPID DIAGNOSIS

- Hematology
- Sensitivity pattern of pathogens.

REGISTRATION

The interested participants can send their registration form and registration fee by DD drawn in favour of "Karpagam University" payable at Coimbatore to the program Organizing Secretaries on or before March 03,2016. Spot registration may also be permitted on prior request. Registration fee cover lunch and refreshments.

Category	Registration (before March 03,2016)
Graduates (Life Sciences)	Rs. 200

Limited 30 participants, on first come first serve basis.

ADDRESS FOR COMMUNICATION:

Dr. M. Palaniswamy, Dean,
Convenor, Hands on Training in Cytomorphometric Techniques and Rapid Diagnoses.

Faculty of Arts, Science & Humanities
Karpagam Academy of Higher Education
Pollachi Main Road, Eachanari – Post,
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ORGANIZING COMMITTEE

Chief Patron

Dr. R. Vasanthakumar

President, Karpagam Educational Institutions
(KEI), Coimbatore

Patrons

Shri. K. Murugaiah, Chief Executive Officer,
KEI

Padmashree Dr. R.M. Vasagam, Chancellor
KEI

Dr. S. Subramanian, Vice-Chancellor, KAHE

Dr. G. Sekar, Registrar, KAHE

Dr. M. Palanisamy, Dean, FASH, KAHE

Dr. A. Manickam, Director, Life Sciences.

Convenor

Dr. M. Palaniswamy, Dean, Faculty of Arts,
Science & Humanities, KAHE.

Organizing Secretaries

Dr.D.Teepica Priya Darsini

Associate Professor
Department of Biotechnology
KAHE

Dr. M. Kulandhaivel

Assistant Professor
Department of Microbiology
KAHE

REGISTRATION FORM

HANDS- ON TRAINING ON CYTOMORPHOMETRIC TECHNIQUES AND RAPID DIAGNOSIS –II

9th March, 2016

Name	:	
Class of study	:	
Subject	:	
Institutional Address	:	
Residential Address (Telephone, E-mail)	:	
Registration fee enclosed:	Yes / No	
DD No. and Date	:	
Amount	:	Rs.
Name of the Bank	:	
Accommodation Requirement	:	Yes /No
Date	:	
Place:		
(Xerox copies of the Registration form are also accepted)		
		Signature

Cytomorphometric Techniques and Rapid Diagnosis II

Held On 09th March 2016

Exfoliative cytology is the microscopic examination of shed or desquamated cells from the epithelial surface usually the mucous membrane. It also includes the study of those cells that have been collected by scraping the tissue surface or collected from body fluids such as sputum, saliva, etc., The oral cavity is the site of many diseases. Not only dental, even medical professionals encounter a wide spectrum of oral mucosal lesions in their day-to-day clinical practice. An adequate diagnosis is essential as these lesions may vary in nature from simple to life threatening ones. As nuclear changes are the most important criteria for diagnosing precancerous and cancerous lesions and since no single structural change is diagnostic by itself, a combination of several abnormalities is always necessary.

Presumptive treatment of infections often results in irrational antimicrobial use resulting in detrimental spread of drug resistance and untoward side effects. A rapid diagnostic test (RDT) is a test that delivers a result earlier than conventional testing methods employed in the past to identify the offending microorganism. RDTs help in early definitive therapy, reduction in hospital stay and cost, and in degree of morbidity and mortality associated with the infection. To select a proper RDT, one should consider how specific and sensitive the test is. Most RDTs gives a qualitative result not quantitative; hence disease severity, monitoring of the disease, prognostication and therapeutic efficacy cannot be assessed. A RDT should be easy to perform, should not require sophisticated machines, and kits should be stable in extremes of temperature

Rapid diagnostic testing (RDT) methodologies for infectious diseases Rapid microbiology tests can be used for the easy detection of infection and cure. Hematology, RPR, ASO, WIDAL and RA test were performed Nearly 24 Students from various colleges had participated in the one day hands on training program and benefited.

