

*\*Royal College of Physicians (London) Continued Professional Development Credits (12 hrs) applied for*

The Cancer Genetics Unit at ACTREC & Tata Memorial Hospital is the apex comprehensive cancer genetic referral centre in South Asia. It has registered 7000 families with diverse hereditary cancers & performs molecular genetic analysis for 21 genes with Sanger Sequencing, MSI testing, MLPA & NGS. This is the 4<sup>th</sup> annual conference and workshop in Cancer Genetics. Cancer Genetic services are now being offered in many hospitals. Several private and academic labs have started offering genetic tests for several clinically relevant genes and are increasingly using Next Gen Sequencing. To gain insight in this fast evolving field and discuss issues that are clinically relevant, we invite you to the 4<sup>th</sup> ICGCW at ACTREC, Tata Memorial Centre.

**3<sup>rd</sup> - 7<sup>th</sup> December 2018 (3 parallel workshops)**

**Workshop I: Cancer Genetics Counselling** (Maximum 24 participants): Principles of counselling, syndrome identification and work up, pre-test & post test counselling, family counselling, VUS counselling, management of mutation carriers with screening, chemoprevention & prophylactic surgery

**Workshop II: Molecular Genetic analysis & functional Genomics** (Maximum 24 participants): PCR and trouble shooting, Genotyping with CSGE, RFLP, TaqMan and its validation, Sanger sequencing with troubleshooting, MLPA analysis, Bioinformatic analysis and drafting reports of genetic test; Functional Genomics

**Workshop III: Next Generation Sequencing** (Maximum 12 participants): Demonstration cum hands on training in Exome/Transcriptome Library preparation, quantification & pooling of libraries for Next Gen Sequencing on HiSeq/MiSeq; Bioinformatic analysis

**Workshop IV: One day Breast MRI workshop (8<sup>th</sup> Dec 2018)**

**8<sup>th</sup> -10<sup>th</sup> December 2018 (Cancer Genetics Conference)**

Leading experts from India, USA, UK, Europe, Australia, Singapore, Malaysia & Middle East will discuss various basic, translational and clinical aspects of Cancer Genetics and Genomics covering common & rare syndromes. Techniques, approaches and interpretation of genetic testing and issues in genetic counselling and risk management of mutation carriers will be discussed. Through workshops, posters, scientific and interactive sessions, the participants will gain knowledge and skills useful for initiating and refining laboratory and clinical cancer genetics research and service programs.

### Confirmed International Faculty (in alphabetical order)

- Prof. Margreet Ausems** Head, Oncogenetics, University Medical Centre, Utrecht, The Netherlands
- Prof. Shirley Hodgson** Professor Emeritus, Clinical Genetics, St George's Hospital, London, UK
- Prof. Humphrey Hodgson** Professor Emeritus, Dept. of Medicine & Hepatology, University College London, UK
- Prof. Dhavendra Kumar** Professor, Clinical Genetics & Genomic Medicine, University of South Wales and Cardiff, UK
- Dr. Kirti Kulkarni** Breast Radiologist, University of Chicago, Chicago, USA
- Prof. Finlay Macrae** Head, Colorectal Medicine & Genetics, The Royal Melbourne Hospital & Manager, InSiGHT Global Variant Database
- Dr. Ranjit Manchanda** Consultant Gynaec Oncologist, Queen Mary University of London, UK
- Prof. Fahd Al Mulla** Prof. of Molecular Pathology, Kuwait University Medical School, Kuwait
- Prof. Funmi Olopade**, Professor of Medicine & Cancer Genetics, University of Chicago, USA
- Dr. Mark Rogers** Consultant Clinical Geneticist, University Hospital Wales, Cardiff, UK
- Dr. Abeer Al Saegh** Head, Genetics Department, Sultan Qaboos University, Muscat, Oman
- Dr. Chandra Settara**, Head Cancer Genomic Unit & Genomics Core, NHGRI / NIH, Bethesda, USA
- Ms Yoon Sook-Yee** Genetic Counsellor, Head, Familial Research Project, Cancer Research, Malaysia
- Dr. Helen Stewart** Consultant Clinical Geneticist, Oxford Univ. Hospital, Oxford, UK
- Prof. Soo-Hwang Teo** Chief Executive, CARIF, University Malaya, Malaysia
- Prof. Meena Upadhyaya** OBE Professor, Clinical Genetics, University Hospital Wales, Cardiff, UK

### Focus on specific aspects of Hereditary Cancers & Genetics

**When to suspect hereditary cancer; Genetic Counselling; Genetic Testing – its reporting and interpretation; Prevention, Surveillance & Management of Carriers**

- \*\*Genetic basis of Inherited cancer; Founder & Recurrent mutations
- \*\*Genetic Testing – techniques, interpretation, reporting, pitfalls, VUS
- \*\*Unique aspects of Clinical management of Hereditary cancers
- \*\*Somatic mutations in cancers and Targeted therapy

- \*\*Syndrome Identification & Genotype –Phenotype correlation
- \*\*Genetic Counselling – Ethical, Legal & Psychosocial Issues
- \*\*Prophylactic Surgery & Chemoprevention in Mutation carriers
- \*\*Next Gen Sequencing & new Research avenues in cancer genetics

### Who should attend the Conference?

**Trainees & Professionals working / planning to work in Cancer Genetics**

- *Oncologists (Medical, Surgical & Radiation)*
- *Clinical / Medical Geneticists*
- *Radiologists, Pathologists & Translational Scientist*
- *Preventive & Community Medicine*
- *Genetic Counsellors & Clinical Psychologists*
- *PhD/ MD/ MS/ DM/ MCh students*
- *Industry / Labs engaged or planning to start molecular diagnostics*

Registration Fee (Includes 18% GST)	Up to 31 <sup>st</sup> Oct 2018		Up to 25 <sup>th</sup> Nov 2018		Spot Registration	
	Academia	Private / Industry	Academia	Private / Industry	Academia	Private / Industry
Full Conference	*3500	7000	*4000	8000	5000	8000
One day of Conference or one day MRI workshop	*2000	4000	*2500	5000	3000	5000
Conference with Workshop I, II or IV	*7500	12000	*8500	14000	No spot registration	
Conference with Workshop III (NGS)	*20000	25000	*30000	30000		

\*25% concession for PhD Students, Project JRF/SRF & Resident doctors on guide's recommendation  
Payment can be made by Bank Drafts, Debit /Credit Cards or Electronic Transfer.

For enquiries & details see "Meetings" on ACTREC website - [www.actrec.gov.in](http://www.actrec.gov.in) or mail us at [ICGCW2018@gmail.com](mailto:ICGCW2018@gmail.com) or call +91-22-27405000 ext 5092/5529 +91-7400391687



Chairman  
**RAJIV SARIN**

Organizing Secretary  
**PRADNYA KOWTAL**

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Patrons: Prof. Rajendra Badwe, Prof. Shubhada Chiplunkar & Prof. Sudeep Gupta