
	<p>Modular Courses in ‘Regulatory Toxicologic Pathology’ at Sree Chitra Tirunal Institute for Medical Sciences and Technology Trivandrum 695012, India</p>	
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Course announcement
‘Regulatory Toxicologic Pathology; Module II
03rd to 06th August, 2017

Sree Chitra Tirunal Institute for Medical Sciences and Technology organises Modular Courses in ‘Regulatory Toxicologic Pathology’. The course has the close supervision of Dr C Gopinath, an internationally acclaimed toxicologic pathologist practicing the discipline in UK, who acts as the Adviser for the programme with a range of international faculty. The first module was organised in **February, 2017** at Thiruvannathapuram that covered General Pathology and Toxicologic Pathology of Nervous, Cardiovascular and Urinary systems. Dr C Gopinath (UK), Dr K Weber (Switzerland), Dr P Mullins (UK) and Dr MR Alison (UK) were the faculty. Participants representing industry, academia, research community and graduate students attended the course. Following the successful conduct of the first module, the organisers announce the Module-II (Thursday, 03rd to Sunday 06th August, 2017) on the following topics.

- Toxicologic Pathology of hepatobiliary system
- Toxicologic Pathology of gastrointestinal system (including salivary gland and pancreas)
- Toxicologic Pathology of respiratory system

The course is intended for Toxicologic Pathologists (as a refresher course) and recent graduates looking forward to taking Toxicologic Pathology as a career speciality. However, participants from academia, research-community and graduate students have also attended the previous module and found the course useful for advancing their areas of expertise on drug discovery and teaching/training. A limited number of industry-sponsored scholarships are available that cover or partially cover the tuition fee. Please contact the Course Director for further details.

Registration closes on 30 June 2017. Please note that attendance is restricted to registered candidates and there is no spot registration.

Course Fee: Rs 20,000/- per head or Rs 10,000/- per head for one day (please contact the organisers for lecture/practical schedule). If you need any clarification please contact the Course Director.

The payment shall be acceptable only in the form of Demand Draft (or multi-city cheque), in favour of Course Director, Experimental Pathology Courses, S.C.T.I.M.S.T., payable at any nationalised bank in Thiruvananthapuram (Trivandrum) or direct bank transfer to Account No. 67388598374 in favour of 'Experimental Pathology Courses' at the State Bank of Travancore (Poojappura branch, Thiruvananthapuram) with IFSC: SBTR0000032.

Contact details for all correspondences:

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Web site: <http://asvp.info/> or <https://www.sctimst.ac.in/Conferences/>

List of faculty for Module II (03th to 06th August 2017)



Dr C Gopinath

Dr Chirukandath Gopinath is an independent consultant in Toxicological pathology working from UK. He took his veterinary degree at Kerala Veterinary College, India. His post graduate qualifications were from the university of Liverpool, UK where he also worked as lecturer in veterinary pathology. He was director of pathology and chief scientific officer at Huntingdon Research centre, Huntingdon, UK for several years. During his career in toxicological pathology he had held positions of President, BSTP, IFSTP and European director of IATP, chairman of board of examiners in Veterinary Pathology, Royal college of pathology, London. He has chaired and participated in several PWGs and SAGs solving pathology issues. Dr Gopinath has published several papers in peer reviewed journals and authored a few books and chapters in topics of toxicological pathology. He also has conducted educational seminars on topics in toxicologic pathology in different parts of the world.



Prof. Malcolm Alison

Malcolm Alison is Professor of Stem Cell Biology at Barts Cancer Institute, Barts and The London School of Medicine and Dentistry. He obtained his PhD (1977) and DSc (1998) at the

University of Newcastle upon Tyne and served as Professor of Experimental Pathology at Imperial College. He is an Assistant Editor of the International Journal of Experimental Pathology, and an editorial board member of numerous Journals including The Journal of Pathology and The American Journal of Pathology. Editor-in-chief of ‘The Cancer Handbook’ (<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-0470018526.html>), a 2 volume reference work, and author of over 200 scientific articles. In 2012 he was awarded the Doniach Lectureship of The Pathological Society of Great Britain and Ireland for his life-long contribution as a Senior member of the Society to the science of Pathology and to the Scientific activity of the Pathological Society. He has an H-index of 49. His main research areas are in epithelial cell biology, liver regeneration, hepatocarcinogenesis and cancer stem cells.



Prof John R Foster



Dr John Foster started his career as a Toxicological Pathologist in 1978 at the British Industrial Biological Research Association, after PhD from the University College, Cardiff (UK). Later he worked in ICI Central Toxicology Laboratory (1983-2000) and AstraZeneca Pharmaceuticals (2001-2013). He became a member of the UK’s Royal College of Pathologists (RCPath) in 1988, and a Fellow in 1997. He was Chair of the panel of Examiners (Toxicology Specialty, 2006-2012) of the Royal College and President of the British Society of Toxicological Pathologists (BSTP, 2002-2004). He holds Honorary Fellowship of the BSTP and the Latin American Society of Toxicologic Pathology and current Vice President of the International Academy of Toxicologic Pathology. In 2010, he was made an Emeritus Professor (Faculty of Health and Medical Sciences) at the University of Surrey. He is an expert panel member of the UK Food Standards Agency’s Committee on Toxicity of Chemicals in Food and the Environment. He has

published over 150 research papers, review articles and book chapters in toxicological pathology, and was the Editor in Chief of the journal, Toxicologic Pathology, from 2008-2013. Dr Foster currently works as an independent consultant pathologist for ToxPath Sciences Ltd (UK) and also Regulatory Science Associates (UK).



Dr Vasanthi Mowat

Dr Vasanthi Mowat is Director of Pathology at Huntingdon Life Sciences, where she manages the Histology, Necropsy, Pathology and Special Pathology Services Units. She has over 25 years' experience as a toxicological pathologist and has worked at CROs in Britain and France. She joined Envigo in April 2006 and was appointed as Director of Pathology in February 2008. She is a member of the INHAND Cardiovascular working Group of the Society of Toxicological Pathologists and has made several presentations on cardiovascular pathology, in which she has a specialist interest. She graduated as a vet in Bangalore, India, where she also gained a Master's degree in Veterinary Pathology. She was awarded the FRCPath in 2004. She has published and presented many papers on procedural and background findings in a variety of species and study types at international meetings and conferences. In 2014 she co-authored an atlas of toxicological pathology with Dr C Gopinath.

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Regulatory Toxicologic Pathology (RTP) is essentially professional practice of pathology as applied to Regulatory Toxicology. It involves morphological and functional evaluation of organs/tissues collected during safety studies. In India, it is mostly a self-trained or on-job-acquired specialty skill rather than earned-skill at university settings. Toxicological Pathology is largely practiced as a subspecialty, mainly by veterinary and medically qualified pathologists. In reality, no university in the country has any formal higher education or training program in the subject and only a very few institutions in the public sector have toxicologic pathology testing facilities. Therefore, the opportunity for acquiring toxicologic pathology skill is limited because of poor accessibility to trainers and training centres. On the other hand, the rapidly expanding pharmaceutical industry in the country needs more manpower to perform toxicologic pathology in toxicity studies. Very often they are asked to practice the discipline on internationally accredited quality platforms.

Sree Chitra Tirunal Institute for Medical Sciences and Technology is an institute of national importance under the ministry of Science and Technology, Government of India. Development and testing of biomedical devices and biomaterials are major activities of the Biomedical Technology Wing of the Institute. It is also a testing and calibration laboratory that functions on ISO17025 system and certified by COFRAC, the French accreditation agency. The Division of Experimental Pathology (EXP), a constituent laboratory of the Biomedical Technology Wing, practices Toxicologic Pathology. The Division has four Veterinary Pathologists and offers Experimental Pathology Module for MSc/ MPhil/ PhD courses.

The Modular courses in Regulatory Toxicologic Pathology teaches toxicologic pathology of induced lesions of all organ systems in laboratory animals, as required for safety evaluation studies. However, participants from academia, research-community and graduate students have found the content of the course very useful for advancing their skill/knowledge in experimental pathology. The course organisers also welcome applications from persons with basic skills and interest in furthering their career in histology. The training has been designed as four standalone Modules lead by eminent Toxicologic Pathologists around the globe and will be useful to toxicologic pathologists as a refresher course or those who want to pick up a career in toxicologic pathology.

Organisation of the course modules

The topics expected to be covered during the course is given below and they have been organised in modules (3-4 days each).

Module-I: February, 2017 (4 days)

1. General Pathology
2. Toxicologic Pathology of Nervous System and Organs of Special Senses
3. Toxicologic Pathology of Cardiovascular System
4. Toxicologic Pathology of Urinary system

Module-II: August, 2017 (3 or 4 days)

5. Toxicologic Pathology of Gastrointestinal System
6. Toxicologic Pathology of Hepatobiliary System
7. Toxicologic Pathology of Respiratory system

Module-III: February, 2018 (4 days)

8. Toxicologic Pathology of Male Reproductive system
9. Toxicologic Pathology of Female Reproductive system
10. Toxicologic Pathology of Immune system
11. Toxicologic Pathology of Endocrine system

Module-IV: August, 2018 (3 or 4 days)

1. Toxicologic Pathology of Musculoskeletal and skin
2. Local effects of implantation of biomaterials (soft tissue)
3. Local effects of implantation of biomaterials (hard tissue)

Salient features of the Modular Course in Regulatory Toxicologic Pathology

- Each module shall be stand alone components of the whole programme
- These are largely week-end programmes. Each module shall preferably start on the Friday/Thursday preceding the second Saturday of February/August
- Date wise time-table shall be announced well in advance
- Lectures/Practical for each day shall cover toxicologic pathology of selected organ system and the participants will have the option to choose lessons of their interest

- Attendance in any module shall not be mandatory for taking subsequent lessons or modules

Course fee

Course Fee: Rs 20,000/- per head for each Module or Rs 10,000/- per head for one day (please contact the organisers for lecture/practical schedule). Registration closes a month before the course. If you need any clarification please contact the Course Director.

The payment shall be acceptable only in the form of Demand Draft (or multi-city cheque), in favour of Course Director, Experimental Pathology Courses, S.C.T.I.M.S.T., payable at any nationalised bank in Thiruvananthapuram (Trivandrum) or direct bank transfer to Account No. 67388598374 in favour of 'Experimental Pathology Courses' at the State Bank of Travancore (Poojappura branch, Thiruvananthapuram) with IFSC: SBTR0000032.

A limited number of industry-sponsored scholarships are available that may offer partial financial assistance on course fee. Please contact the Course Director for further details.

Course Co-ordinators



Course Advisor : Dr C Gopinath, BVSc, *PhD, FRCPath, FIATP*
Course Director : Dr TV Anilkumar, *PhD, Diplomate ICVP, FIATP*
Deputy Course Director : Dr A Sabareeswaran, *MVSc, PhD*

Address for correspondence

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Module-II: Hepatobiliary, gastrointestinal and respiratory systems
(Thursday 03rd to Sunday 06th August, 2017)

Registration form

1. Name _____ :
2. Educational Qualification (indicate year):
3. Details of experience in histology/histopathology (if any):
4. Have you attended any of the Modular courses by the same organisers? If ‘YES’ give details
5. Contact details
 - 5.1. Postal address

5.2. E-mail(main) _____ :

5.3. E mail (alternate) _____ :

5.4. Phone (Land line) _____ :

5.5. Phone (mobile/cell) _____ :

6. Details of payment, Rs 20,000/- by one of the following (please indicate your choice)

Direct payment, dated _____, Payee bank with reference number _____ - _____ (please attach a copy of the payment details) to Account No 67388598374 (CIF No. 77154039600) in favour of ‘EXPERIMENTAL PATHOLOGY COURSE’ at the Poojappura Branch of the State Bank of India (IFSC: SBIN 0070032), Thiruvananthapuram.

Demand-Draft No _____ dated _____ in favour of ‘EXPERIMENTAL PATHOLOGY COURSE’ and made payable at State Bank of Travancore, Poojappura Branch, Thiruvananthapuram-695012.

Place :

Signature

Date :

Name