



Course announcement
‘Regulatory Toxicologic Pathology’

Sree Chitra Tirunal Institute for Medical Sciences and Technology announces an International Modular Courses in ‘Regulatory Toxicologic Pathology’. The first module will be organised between **08th and 11th February, 2017 (4 days)** at Thiruvannathapuram to cover the following topics. About 50% of the time shall be devoted for practical training comprising of demonstrations, glass slide reading (multi-headed microscope) and/or projected images.

- General Pathology
- Toxicologic Pathology of Nervous System and Organs of Special Senses
- Toxicologic Pathology of Cardiovascular System
- Toxicologic Pathology of Urinary system

The course is intended for novice Toxicologic Pathologists and recent MD/MVSc/MDS students/graduates looking forward to taking Toxicologic Pathology as a career speciality. A limited number of industry-sponsored scholarships are available. Please contact the Course Director for further details.

Please note that attendance is restricted to registered candidates and there is no spot registration.

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 I (08th to 11th February 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 have conducted educational seminars on topics in toxicologic pathology in different parts of the world.



Dr Klaus Weber

Klaus Weber was born in East Germany and became a veterinarian and a biologist, and studies currently geology at the University of Bern. He was working in laboratories in East Germany and also, for several years in human pathology. With over 25 years of professional experience in human and animal pathology. Weber was from 1991-2011 head of pathology at RCC/Harlan Laboratories. Klaus Weber has experience in all laboratory species including fish and invertebrates. His area of work covers short and long term as well as oncogenicity studies with specialties in neuropathology, inhalation pathology, bone marrow differentiation and various other topics. His work resulted in numerous presentations and publications. He founded in 2004 AnaPath GmbH in Switzerland, a holding covering nowadays ten independent pathologists. After termination of his contract with Harlan Laboratories, he founded by the end of 2012 a new company in Switzerland called AnaPath Services GmbH, functionally active from spring 2013 onwards that covers with 32 technicians all subjects on the field of toxicologic pathology including necropsy at client sites and histotechnique including all specialities.



Dr Pamela Mullins

Pam Mullins attained an Honours degree in Zoology from St Andrews University, Scotland followed by a PhD from Glasgow University. Following further research posts at Nottingham University and the Open University, she joined the Pathology Department at Huntingdon Research Centre as in 1980. Whilst at Huntingdon, she gained a Diploma in Toxicology, by examination, from the Royal College of Pathologists and became a member by examination in Veterinary Pathology of Laboratory Animals. She was awarded Fellowship of the Royal College of Pathologists in 1997. In 2001, she joined Sequani Limited. She has served as President of the British Society of Toxicological Pathologists (BSTP) having previously served terms as Honorary Secretary and Councillor. She was Senior Vice President of the BSTP from 2008-2010. She has represented the BSTP at the Royal College of Pathologists on the Speciality Advisory Committees in Veterinary Pathology and Toxicology. She has also served as the CPD Advisor for the Veterinary Pathology Specialty for the Royal College of Pathologists.



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.



**International Modular Courses in ‘Regulatory Toxicologic Pathology’ at
Sree Chitra Tirunal Institute for Medical Sciences and Technology
Biomedical Technology Wing, satelmond Palace Campus, Poojappura
Thiruvananthapuram 695012, Kerala State, India**

Module-I (08th to 11th February 2017)

Registration form

Name :

Educational Qualification :

Experience (in histology/pathology):

Contact details

Postal address :

E-mail (main) :

E mail (alternate) :

Phone (Land line) :

Phone (mobile/cell) :

Payment details : Amount: by cheque/DD/direct payment

Demand Draft No. date

Direct payment details

Place

Signature

Date:

Name



International Modular Courses in ‘Regulatory Toxicologic Pathology’ at Sree Chitra Tirunal Institute for Medical Sciences and Technology

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 a self-trained or on-job-acquired specialty skill rather than earned-skill at university settings. So much so, 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 very limited because of poor accessibility to trainers and training centres. On the other hand, the rapidly expanding pharmaceutical industry in the country (including the biomedical device industry) needs lot more manpower to perform toxicologic pathology 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 organisation. 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 course in Toxicologic Pathology at EXP has been designed as an introductory training programme for Medical, Dental and Veterinary Pathologists who wishes to take up Toxicologic Pathology as a career. It teaches elementary toxicologic pathology of all organ systems of laboratory animals. The training has been designed as standalone modules lead by eminent Toxicologic Pathologists around the globe.

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 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 (Immunotoxicologic pathology)
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 (date wise) shall be announced well in advance
- Lectures/Practical for each day shall cover only 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)

The payment shall be acceptable only in the form of Demand Draft (or multi-city cheque), in favour of Director, SCTIMST, payable at any nationalised bank in Thiruvananthapuram (Trivandrum).

A limited number of industry-sponsored scholarships are available. Please contact the Course Director for further details.

Course Co-ordinators

Course Director : Dr TV Anilkumar, Scientist

Deputy Course Director : Dr A Sabareeswaran, Scientist

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