



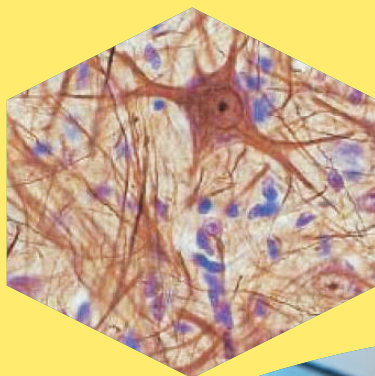
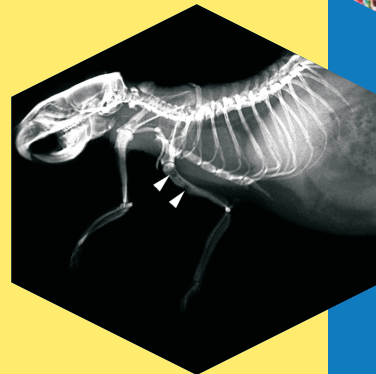
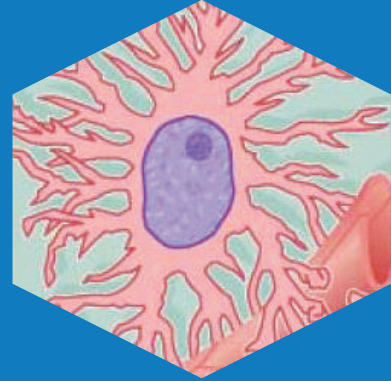
Society of Toxicologic Pathology-India (STP-I)

**SIXTH CONFERENCE AND CONTINUED  
EDUCATION PROGRAM ON**

# **TOXICOLOGIC PATHOLOGY OF NERVOUS AND MUSCULOSKELETAL SYSTEMS**

21 - 23 October 2016

The Westin Pune Koregaon Park, Pune





## *Dear Fellow Scientists,*

It is a pleasure to invite you to attend Sixth Conference of the Society of Toxicologic Pathology - India on 21-23 October, 2016 at The Westin Pune Koregaon Park, Pune.

The theme of the conference is [Continuing Education Program on Toxicologic Pathology of Nervous and Musculoskeletal Systems](#).

Topics encompass an overview of neuroanatomy, physiology, pathology and toxicology in reference to toxicologic evaluation of drugs and/or chemicals for the nervous and musculoskeletal systems.

The conference organizers are providing exhibit space for companies offering products and services related to the field of toxicology and toxicologic pathology.

**Dr. Venkatesha Udupa**  
M.V.Sc, M.Sc (Tox), DABT, DIBTP  
Organizing Secretary, STP-I



**DAY-1** Friday, 21 October, 2016

8 am: Breakfast and Registration

9 - 9.40am: Inauguration

Time/ Duration	Lecture No.	Lecture Title	Speaker
<b>Plenary session</b>			
09.45 - 10.30 am	1	Global Regulatory Guidelines and STP Recommendations for Adult and Developmental Neurotoxicity Studies	Dr. Brad Bolon
10.30 - 11.15 am	2	Techniques used in evaluation of neurotoxic potential of test compound/article in preclinical toxicity studies	Dr. SK Vijayasarithi
11.15 - 11.30 am	Coffee/Tea Break		
<b>Session 1: Neuropathology Evaluation - Introduction</b>			
Chair: Dr. Narendra Deshmukh, Director, INTOX Co-chair: Dr. Sanjay Bokan, Associate Director, Lupin Ltd.			
11.30 am- 12 noon	3	Neuropathology assessments in toxicology studies: Challenges and principles	Dr. Deepa Rao
12 noon - 12.45 pm	4	Brain and Peripheral nervous system processing, staining, common artifacts and unusual normal structures	Dr. Ingrid Pardo
12.45 - 01.45 pm	Lunch Break		
01.45 - 02.30 pm	5	Basic neuroanatomy, physiology and chemistry for neuropathologists	Dr. Deepa Rao
<b>Session 2: Basic Neuropathology Evaluation</b>			
Chair: Dr. SK Vijayasarithi, Head Pathology, Advinus Therapeutics Ltd. Co-chair: Dr. Kamala Kannan, Advinus Therapeutics Ltd.			
02.30 - 03.15 pm	6	Overview of spontaneous and drug induced non-neoplastic lesions of the nervous system	Dr. Klaus Weber
03.15 - 04.00 pm	7	Examples of Toxic Neuro- and Glio-pathies	Dr. Alok Sharma
04.00 - 04.15 pm	Coffee/Tea Break		
04.15 - 05.00 pm	8	Brain tumours encountered in rodent bioassays	Dr. Chirukandath Gopinath
<b>Session 3: Advanced Neuropathology Evaluation</b>			
Chair: Dr. Shekar Chelur, Research Director, Aurigene Discovery Technologies Ltd. Co-chair: Dr. Satish Panchal, Head Toxicology Operations, SPARC			
05.00 - 05.45 pm	9	Spinal Cord, Sensory and Autonomic Nervous System Evaluations	Dr. Brad Bolon

# DAY-2 Saturday, 22 October, 2016

Time/ Duration	Lecture No.	Lecture Title	Speaker
08.30 - 09.15 am	10	Developmental Neuropathology	Dr. Wolfgang Kaufmann
09.15 - 10.00 am	11	End-points to consider for dedicated neuropathology evaluation: Immunohistochemistry, Electron microscopy, Biomarkers, Functional observation battery and Electrophysiology	Dr. Ingrid Pardo
10.00 - 10.15 am	Coffee/Tea Break		
<b>Session 4: Musculoskeletal Evaluation and Pathology</b> Chair: Dr. Vyas Madhavrao Shingatgeri, Vice President, Sun Pharmaceutical Industries Ltd. Co-chair: Dr. Jomy Jose, Head Pathology, Vimta Ltd.			
10.15 - 11.00 am	12	Assessment of bone tissue in preclinical studies	Dr. Aurore Varela
11.00 - 11.45 am	13	Biology of bone biomarkers	Dr. Kathryn Gropp
11.45 am - 12.30 pm	14	Rare spontaneous lesions and drug induced lesions of the musculoskeletal system	Dr. Paul Germann
12.30 - 01.30 pm	Lunch Break & Poster evaluation		
01.30 - 02.15 pm	15	Induced lesions of the musculoskeletal system	Dr. Vasanthi Mowat
02.15 - 02.45 pm	16	Young Scientist Award Presentations	Participants
<b>Session 5: Animal models and diagnostic pathology in bone disorders</b> Chair: Dr. Sankaranarayanan, President, Vivo Bio Tech Ltd. Co-chair: Dr. Venkatesha Udupa, Senior General Manager, Glenmark Pharmaceuticals Ltd.			
02.45 - 03.30 pm	17	Animal models for osteoporosis and rheumatoid arthritis	Dr. Naibedya Chattopadhyay
03.30 - 03.45 pm	Coffee/Tea Break		
03.45 - 04.30 pm	18	Animal models of osteoarthritis	Dr. Kathryn Gropp
04.30 - 05.15 pm	19	Imaging, histomorphometry and biomechanics of bone disorders	Dr. Aurore Varela
05.15 - 06.00 pm	20	Human TNF $\alpha$ Transgenic Mouse Model of Spontaneous Arthritis	Dr. Krishna Bhagavatula

**DAY-3** Sunday, 23 October, 2016

Time/ Duration	Lecture No.	Lecture Title	Speaker
<b>Session 6: Case presentation</b>			
Neuropathology panel moderator: Dr. Deepa Rao, Reviewer CDER, FDA Musculoskeletal panel moderator: Dr. Bhanu Singh, Scientific Director, Pathology at Drug Discovery Sciences in Janssen Research & Development			
08.00 - 9.00 am	21	Case Presentation on neuropathology followed by discussion	Dr. Alok Sharma Dr. Klaus Weber Dr. Paul Germann
09.00 - 10.00 am	22	Case Presentation on musculoskeletal pathology followed by discussion	Dr. Kathryn E Gropp Dr. Vasanthi Mowat Dr. Klaus Weber
10.30 - 10.45 am	Coffee/Tea Break		
<b>Session 7: Discovery pathology and emerging techniques in toxicological pathology</b>			
Chair: Dr. Alok Sharma, Associate Director, Covance Labs Inc Co-chair: Dr. Prahalada Srinivasa, Vice President, Syngene International Limited			
10.45 - 11.30 am	23	Emerging Technologies: MRI imaging in toxicologic pathology (IATP sponsored)	Dr. Abraham Nyska
11.30 am - 12.30 pm	24	Application of Veterinary Pathology for translational research and development in the context of drug discovery	Dr. Bhanu Singh
12.30 - 01.30 pm	25	Recommended ("Best") Practices for Determining, Communicating, and Using Adverse Effect Data from Non-clinical Studies	Dr. Brad Bolon
01.30 pm onwards	Lunch		

**POSTER EVALUATION**

The Poster Evaluation process will be held between 12.30 to 1.30 pm on 22 October 2016

**GENERAL BODY MEETING**

The Society's Business Meeting will be held between 6.15 to 7.00pm on 21 October 2016

# AWARDS AND POSTERS

## SUBMISSION OF ABSTRACTS FOR YOUNG SCIENTIST AWARD

Professor M. K Shingatgeri Memorial Young Scientist Award is instituted by Dr. Vyas M Shingatgeri, Vice President, Drug Safety Evaluation, Sun Pharmaceutical Industries Ltd., R&D, Gurgaon, in memory of Late Professor M. K Shingatgeri, Former Dean of Bombay Veterinary College and Professor and Head of the Department of Pharmacology and Toxicology. The award is restricted to the subject/topic of Toxicologic Pathology only. The award consists of a Certificate and cash of Rs. 5000.

All member of the society aged less than 35 years can participate in this competition. Oral presentations shall be for 12 minutes with question and answer session for 3 minutes. The abstract of oral presentation of about 250 words should include title, authors, address, purpose of study, methods, results and conclusions. The name of the presenting author should be underlined. A registered delegate can present a maximum of one original work. Abstract with email address should be submitted preferably through E-mail (not as an attachment file but as a body of the mail) to the Organizing Secretary Dr. Venkatesha Udupa (E-mail: stpi.india@gmail.com) latest by 15 October 2016. Total number of presentations is restricted to five.

## IATP CHARLES CAPEN TRAINEE AWARD

The Charles Capen Trainee Award given by the International Academy of Toxicologic Pathology (IATP) recognizes Dr. Charles Capen and his legacy as a researcher, teacher and mentor to the pathology and toxicology communities spanning more than four decades. Dr. Capen was recognized worldwide as an exceptional leader in veterinary and biomedical research. He was a highly regarded mentor to numerous graduate students and postdoctoral scientists. His students and trainees are now leaders throughout academia, government and industry. The Charles Capen Awards provides classic reference book to the awardee to further his or her training and education in the field of toxicologic pathology.

The successful applicant must be a pathology, toxicology or toxicologic pathology trainee. A trainee is defined as an individual working on an academic degree, in a training or residency program, or in a postdoctoral training position and have demonstrated achievements in the field of toxicologic pathology including but not Ltd. to:

- Research contributing to public safety as it relates to the adverse health effects of xenobiotics;
- Establishing test methods and standards that enhance the field of toxicologic pathology; and/or
- Developing new or novel uses of toxicologic pathology in safety research.

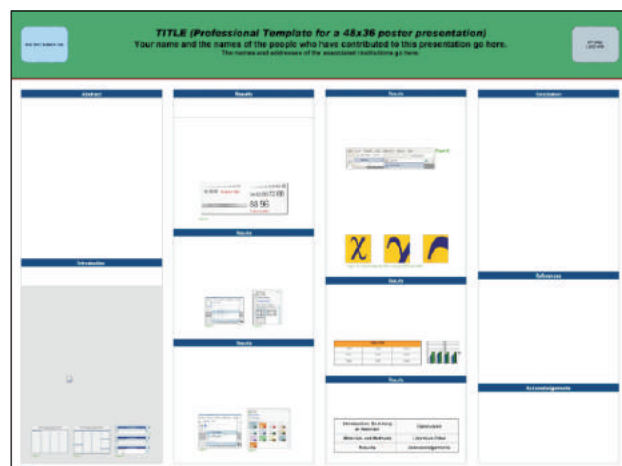
Suggested criteria for the selection of the award recipient will be on poster presentations.

The IATP will present the recipient with an award certificate and a voucher to obtain a book of their choosing from a list of classic toxicologic pathology books recommended by the toxicologic pathology experts of the IATP. A Fellow of the IATP will present the award certificate and the voucher at the STP-I meeting awards ceremony. The selected book will be mailed to the awardee from the IATP Executive Office.

## POSTER PRESENTATION

The abstract of poster presentation of about 250 words should include title, authors, address, purpose of study, methods, results and conclusions. The name of the presenting author should be underlined. A registered delegate and member of the society can present a maximum of one original work.

Abstract with email address should be submitted preferably through E-mail (not as an attachment file but as a body of the mail) to the organizing secretary Dr.Venkatesha Udupa (E-mail: stpi.india@gmail.com) latest by 15 October 2016. Total number of presentations is restricted to ten. Poster shall be of size 48 inches (Width) x 36 inches (Height). General template given below may be followed.



## SUBMISSION OF ABSTRACTS FOR BEST POSTER PRESENTATION AWARD

The award is restricted to the subject/topic of Toxicologic Pathology only. The award consists of a Certificate and cash award of Rs.5000.

## MEETING MATERIALS, SOCIAL EVENTS

### MEETING MATERIALS

All registered attendees can pick up printed program books, CD of conference presentations and badges at registration desk.

### SOCIAL EVENTS

All registered participants, sponsors and organisers are invited for the dinner on 21 and 22 October 2016.

## Dr. Brad Bolon



Dr. Brad earned B.S. (1983), D.V.M. (1986) and M.S. (1986) degrees in six years at the University of Missouri, "enjoyed" an anatomic pathology residency (1986-1989) at the University of Florida, and obtained a Ph.D. (1993) from Duke University while completing postdoctoral training at the Chemical Industry Institute of Toxicology (1989-1993). He was employed by Pathology Associates International as associate director of the Molecular and Immunopathology Division (Frederick, MD; 1993-1994) and later as staff pathologist at the National Center for Toxicological Research (Jefferson, AR; 1994-1996) before moving to Wyeth-Ayerst Research (Plainsboro, NJ; 1996-1997) as a senior scientist.

Dr. Brad served as an experimental pathologist at Amgen (Thousand Oaks, CA; 1997 to 2004) responsible for evaluating engineered rodents and the efficacy of novel biopharmaceuticals. He subsequently founded an experimental pathology consulting practice (GEMpath, for "Genetically Engineered Mouse Pathology"), working there from 2004 to 2011 in southwestern Utah and later Longmont, CO. Dr. Bolon worked for a time as an associate professor at The Ohio State University College of Veterinary Medicine (Columbus, OH; 2011-2015), after which he returned to Longmont, CO to re-launch GEMpath (2015 to date) and work part-time at the digital pathology firm Flagship Biosciences (2015 to date). Dr. Brad is a Diplomate of both the American College of Veterinary Pathologists (ACVP, anatomic pathology; 1991) and American Board of Toxicology (ABT; 1996, re-certified 2001, 2006, and 2011) and is a Fellow of the Academy of Toxicological Sciences (ATS; 2011) and also the International Academy of Toxicologic Pathology (IATP; 2007). He has written or co-authored nearly 200 articles and book chapters, has edited or co-edited three books, and is regularly invited to speak at national and international meetings on his twin research interests of genetically engineered mouse pathology (especially in embryos and fetuses) and toxicologic neuropathology. Preferred contact information: (720) 209-1105 bradgempath@aol.com

## Dr. S.K.Vijayasarithi



Dr. Vijayasarithi (B.V.Sc., M.V.Sc., Ph.D) has over 45 years of experience in the field of pathology. He first joined University of Agricultural Sciences, Bangalore India, in 1969 and served in various capacities and superannuated in 2004 as Head of the Pathology Department. During this period he was involved in teaching of Undergraduate and Postgraduate courses leading to award of B.V.Sc/M.V.Sc and Ph.D degrees. He was the Major supervisor for 29 Master's and Doctoral students and Advisor for more than 150 graduate students. He was the principal investigator for several federal and private funded research projects. He has nearly 80 scientific publications to his credit and has presented several research paper at National and international conferences. He is recipient of many awards for his scientific achievements. Presently he is the President of Society of Toxicologic Pathology and India and also life member of many scientific organizations. Simultaneously he

was also consultant pathologist for several GLP certified laboratories which were actively involved in safety assessment of NCEs. He joined as Head of Pathology at, Advinus Therapeutics Ltd. Bangalore, India in 2007. He is involved in study designing, conducting and histopathological evaluation of the toxicological potential in variety of animal models. He is the author of nearly four hundred safety evaluation study reports including more than 25 carcinogenicity studies. In addition he has peer reviewed several studies. These reports are submitted to various regulatory authorities of several countries, including FDA & EPA (U.S.A), European and Japanese Health – Indian Regulatory Authorities.

## Dr. Deepa Rao



Dr. Deepa Rao is a board certified toxicologist and veterinary pathologist with expertise in the areas of neurotoxicology and neuropathology. Dr. Rao is from Bangalore where she received her veterinary degree from the Mysore Veterinary College, University of Agricultural Sciences, in 1992. She then pursued an MS at the College of Veterinary Medicine, Oklahoma State University while serving as a teaching assistant in Veterinary Anatomy. She continued graduate work and received her PhD in Pharmaceutical Sciences from the University of Oklahoma – Health Sciences Center (2000). She has also completed her residency in veterinary pathology at University of Wisconsin – School of Veterinary Medicine. Her work experience includes serving as a study director at Covance Laboratories, Inc in toxicology pharmaceutical safety assessment, serving as a pathologist for the National Toxicology Program at NIEHS/NIH. Dr. Rao currently serves as a regulatory reviewer for the Center for Drug Evaluation and Research (CDER), US

Food and Drug Administration, and continues to implement her expertise in the areas of neurotoxicology, pathology and neuropathology into the safety evaluation of new drugs. Dr. Rao has played a key role in implementing a modified approach for neuropathology evaluation in routine toxicology studies (Rao et al, 2011; 2014).

## Dr. Ingrid D. Pardo



Dr. Ingrid D Pardo obtained her Doctor of Veterinary Medicine from the National University in Bogota, Colombia, a Master in Science from Missouri State University in Columbia, MO (MU), and anatomic pathology training at MU and Purdue University. She was boarded in Veterinary Anatomic Pathology by the American College of Veterinary Pathologists in 2006. She started her career in toxicologic pathology in Schering Plough and then moved to Pfizer in Groton CT, where she is currently working. At Pfizer, she provides advice on neuropathology in laboratory animals to neuroscientists, toxicologists, pathologists and the histology laboratory. She has published a manuscript on sampling and processing of the nervous system in Cynomolgus monkeys, is an active leader in the Society of Toxicologic Pathology (STP) Neuropathology Special Interest Group, and is a coauthor of the STP nervous system sampling best practice recommendations.

Currently, Dr. Ingrid is a member of the STP peripheral neuropathy working group, the nervous system section of the new International Dictionary of Toxicologic Pathology and best practices group directing the collection, preservation and examination of the tissues of chimpanzees for diagnostic and archiving purposes. Dr. Ingrid's previous research includes the phylogenetic analysis of canine distemper virus and pituitary pars intermedia dysfunction in horses. Dr. Ingrid has served in several international initiatives; she was cofounder and first president of the Latin Comparative Pathology group (2006-2010) and chair of the international subcommittee of the STP (2011-2013).

## Dr. Klaus Weber



Dr. Klaus Weber was born in East Germany and became a veterinarian and a biologist. He was working in laboratories in East German and also, for several years in human pathology. With over 25 years of professional experience in human and animal pathology. Dr. Klaus Weber was from 1991-2011 head of pathology at RCC/Harlan Laboratories. Dr. 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 specialties.

## Dr. Alok K. Sharma



Dr. Alok Sharma is an Associate Director (Pathology) at Covance Laboratories Inc., Madison WI, USA. He is a diplomate of ACVP and ABT. He completed his residency in Anatomic Pathology and received a PhD in Experimental Toxicologic Pathology from Purdue University. In 2004 Dr. Sharma joined Eli Lilly and Co. as a Toxicologic Pathology fellow and conducted his graduate research on a model of mesial temporal lobe epilepsy. In 2007, Dr. Sharma joined Covance Laboratories Inc., where he currently leads a group of pathologists and serves as an SME for immunohistochemistry and for the studies with nervous system as a focus. Dr. Sharma has co-authored over 20 publications including peer-reviewed articles and book chapters. He has co-chaired CE courses at international conferences and has been an invited presenter at ACT, STP,

IAVP and MRC-SOT. He currently co-chairs STP special interest group in neuropathology and serves on several committees and working groups including STP Annual Symposium Committee, PNS working group, rodent nervous system INHAND group, non-human primate INHAND group at the Society of Toxicologic Pathology (STP) and the European Society of Toxicologic Pathology (ESTP).

## Dr. Chirukandath 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. Wolfgang Kaufmann



Dr. Wolfgang Kaufmann holds a position as director and Global Head of Pathology and Reproductive Toxicology at Merck in Germany. He has more than 28 years of experience in various areas of toxicologic pathology, toxicology evaluation of agrochemicals and in drug discovery and development.

He is a national board certified veterinary pathologist (FTA Path) and Diplomate ECVP and is Fellow of the International Academy of Toxicologic Pathology. One of his scientific foci is toxicologic neuropathology where he chaired the organ working group of the INHAND nomenclature of the nervous system. He is author or co-author of various papers and book contributions in the area of toxicology/ toxicologic pathology/ neuropathology/ developmental

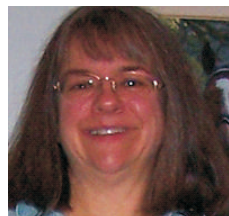
neuropathology and gave lectures at international conferences on regular terms.

## Dr. Aurore Varela



Dr. Aurore is a Scientific Director of Nonclinical Biomedical Imaging at Charles River in Montreal, with more than 14 years of experience in preclinical imaging, bone biomarkers, biomechanics, study design and conduct in musculoskeletal research and toxicology, and plays a key role in designing and executing studies, and interpreting data relevant to musculoskeletal research, musculoskeletal and metabolic toxicology and imaging. She has co-authored several research papers in peer-reviewed scientific journals and contributed to chapters in several books related to Musculoskeletal Research and Bone Pathology. She is also a Diplomate of the American Board of Toxicology.

## Dr. Kathryn E Gropp



Dr. Kathryn E Gropp DVM PhD DACVP is a Research Fellow in Drug Safety Research & Development at Pfizer Inc in Groton, Connecticut, USA. Prior to her 10 years at Pfizer, she spent 11 years at Procter & Gamble Pharmaceuticals in Norwich New York and Cincinnati Ohio where she developed a specialty in bone pathology. She is a member of the Society of Toxicologic Pathology, the American Society of Bone and Mineral Research, the International Bone and Mineral Society, and the International Society of Bone Morphometry. She is serving as chair of the Scientific Program Planning Committee for the upcoming 2017 STP Symposium on the Musculoskeletal System, served as a co-editor for a special issue on bone and joint pathology for Veterinary Pathology (2015), presented at the 2014 Spring Meeting of the Division of Animal

Clinical Chemistry of the American Association of Clinical Chemistry, and co-authored the bone and joint chapter in the 3rd edition of the Handbook of Toxicologic Pathology (2013).

## Dr. Paul Germann



Thirty years successful management experience in healthcare industry with 14 years extensive leadership experience developing multinational teams of scientists. Broad network like LDC (Max Planck) and Fraunhofer as well as to several start-up companies/ universities to profile external innovation. Broad scientific network within the European healthtech, pharma and biotech industry with scientific advisory functions in important translational hubs. Teaching and lecturing in various universities (Zürich, Berlin, Heidelberg, Hannover Reutlingen since 1984) as Exempt Professor for Veterinary Pathology (Habilitation). Dipl. ECVP (European College of Veterinary Pathology); Board certification for Toxicopathology, MSc Appl. Toxicology, DVM; Fellow of the International Academy of Toxicological Pathologists (FIATP). Contributed decisively in bringing compounds to market (Pantoprazole, Fingomilod, Elidel, Gleevec, Daxas). 6 International

patents; 99 Full Papers/Books/CD-ROMs; 70 Abstracts & 79 Lectures; Scientific Co-organizer 12 international scientific congresses.

## 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, which she has a specialist interest in. She graduated as a vet in Bangalore, India, where she also gained a Master's degree in Veterinary Pathology, completing her thesis on hepatopathies in poultry. After moving to the UK in 1989 she passed the statutory exams of the Royal College of Veterinary Surgeons and subsequently the Royal College of Pathologists to gain the MRCVS and MRCPATH qualifications respectively. She was awarded the FRCPath in 2004. She has published and presented on induced and background findings at international meetings and conferences. In 2014 she co-authored an atlas of toxicological pathology with Dr. C. Gopinath.

## Dr. Naibedya Chattopadhyay



Dr. Naibedya Chattopadhyay is a Chief Scientist in the Division of Endocrinology in CSIR-Central Drug Research Institute, Lucknow and Professor of Biological Sciences, Academy of Scientific and Innovative Research (AcSIR, New Delhi).

Dr. Naibedya did his doctoral studies in 1994 and the title of his thesis was "Ontogenic study of T3 receptor variant form expression in human fetal cerebral cortex and developing euthyroid and hypothyroid rat brain regions (in relation to neurogenesis)".

He did his post-doctoral studies at Brigham and Women's Hospital, Harvard Medical School, Boston, USA on the pharmacology of parathyroid calcium-sensing receptor. His research contribution was critical to the understanding of the function of calcium-sensing receptor in various organs and in the process he was closely associated with the development of small

molecule agonist of the receptor which was marketed by Amgen in 2003 for the treatment of hypercalcemia (Rx: Sensipar). In 2003, he edited a book on Calcium-sensing receptor.

In 2003, Dr. Chattopadhyay was promoted to the faculty of Medicine at the Harvard Medical School where he was running independent research program studying the role of calcium-sensing receptor in bone anabolism through NIH funded project. From 2002-2004, he won New Investigator Award from the American Physiological Society, New Faculty Development Award from the American Federation for Aging Research and Research Career Enhancement Award from the American Physiological Society.

In 2006, Dr. Chattopadhyay joined CSIR-Central Drug Research Institute, Lucknow as Head of Endocrinology. From his research done in CSIR-CDRI, Dr. Chattopadhyay has four patents and licensed three technologies to industries in the field of bone health out of which one has been marketed recently ("Union", a standardized extract from leaves of *Dalbergia sissoo*) for promoting fracture healing.

Dr. Chattopadhyay is in the Editorial Advisory Board of Biochemical Pharmacology and American Journal of Physiology. He has written numerous book chapters and edited 2 books. He has authored more than 160 research papers and reviews and has an h-index of 53.

## Dr. Krishna Bhagavatula



Dr. Krishna Bhagavatula is Country Manager-Taconic India. In his role, he heads Taconic Biosciences India operations by providing required support and leadership for the growth and development of Taconic. He works towards not only developing Taconic business in India but also providing required scientific expertise to clients and distributors. He also works closely with Global SME's in creating, developing and implementing Taconic scientific and business strategies in India.

Prior to joining Taconic, Dr. Bhagavatula worked with Agilent Technologies in India for more than 4 years as Country-Business Development Manager and Sr. Scientist. His work was focused on developing business for Research and Academia and Genomics divisions. He has significant experience of developing collaborations, marketing activities by working with global divisions at Agilent and distributors.

Dr. Bhagavatula also worked as Program Manager -Bioresearch & Head of Molecular Diagnostics with Ocimum Biosolutions. He worked as Quality Control- Microbiology Manager with Boehringer Ingelheim, USA and Research Fellow with Cleveland Clinic, Ohio, USA.

He completed his Masters in Microbiology from Osmania University and Doctoral Degree in Clinical Bio-analytical Chemistry from Cleveland State University with Major in Molecular Medicine. He is regular in scientific conferences. His outstanding research was presented in several conferences in India, USA and Canada and rated as "Top 10 discoveries by American Heart Association". He also has written several scientific publications in leading journals.

## Dr. Abraham Nyska



Dr. Abraham Nyska earned his DVM in Bologna, Italy and did his training in tox path at Life Sciences Research in Essex, England. He is a diplomate of the ECVF and a fellow of the IATP. He has been involved in pre-clinical risk assessment of chemicals, drugs, medical devices and stem cells for 38 years and has authored more than 420 articles and book chapters. He is a Visiting Full Professor of Pathology at Tel Aviv University and has served as an expert in toxicologic pathology at the National Toxicology Program for 18 years. Since 2005, he has also served as a consultant to pharmaceutical companies and CROs in Israel, Europe, India and the US.

## Dr. Bhanu Singh



Dr. Bhanu Singh is currently working as Scientific Director, Pathology at Drug Discovery Sciences in Janssen Research & Development LLC (Johnson & Johnson Pharmaceuticals, USA). In his role, Dr. Singh supports drug discovery and development by providing scientific leadership in the design and conduct of toxicology experiments that focus on characterization and safety of novel therapeutic targets and/or understanding potential mode of action for toxicity in pre-clinical studies. Prior to joining Johnson & Johnson Pharmaceuticals R&D in early 2012, he worked at the DuPont Haskell Global Centers for Health and Environmental Sciences (Newark, DE), where he spent more than 3 years in the position of Senior Research Pathologist. Dr. Singh has a strong scientific interest in drug discovery (oncology and Cardiovascular metabolism), molecular

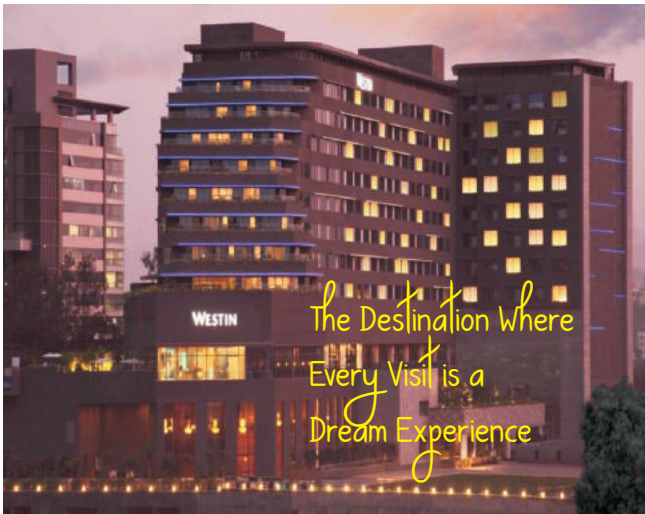
Pathology, liver toxicity, development of animal models of human diseases, and chemical carcinogenesis.

He has authored over twenty peer reviewed publications, five book chapters, 80+ regulatory and research pathology reports and delivered more than 70 presentations in various scientific meetings. He is a diplomate of American College of Veterinary Pathologist (DACVP) and American board of Toxicology (DABT). He is also a fellow of International Academy of Toxicologic pathology (IATP). Dr. Singh is actively involved in professional activities for various Societies of toxicology and pathology like co-chair for STP education course committee, Associate editor for Drug and Chemical Toxicology, Chair for IFSTP-IATP webinar committee and chair for Dog INHAND committee.

Dr. Singh completed his pathology residency training at The Royal Veterinary College, London (UK). During his residency training, he did internships and externships at Bern University (Switzerland), University of California Davis (USA), Armed Force Institute of Pathology (Washington DC) and National Institute of Environmental Health Sciences (NIEHS). After finishing residency he worked at NTP/NIEHS (RTP, NC) as visiting Fellow in Dr. Dave Malarkey's Laboratory. He received his veterinary training at G B Pant University (Pantnagar, India) and a Master's at Utrecht University (the Netherlands).



# HOTEL INFORMATION



Situated in the beautiful Koregaon Park, just 5 Kms from the airport and in close proximity to the IT hotspots of Magarpatta and Hadapsar.

From signature treatments at the Heavenly Spa by Westin™ to fully equipped Westin WORKOUT® Fitness Studio, the hotel offers world-class facilities and services that inspire you to be at your best.



▲ The Westin Pune

- ★ 10 min from Airport
- ★ 25 min from Railway Station
- ★ 20 min from Magarpatta City & Kharadi EON Park
- ★ 30 min from Hinjewadi
- ★ 10 min from City Centre Shopping
- ★ 5 min from the Osho Ashram



## THE WESTIN

36/3-B Koregaon Park Annexe,  
Mundhwa Road, Ghorpadi, Pune,  
Maharashtra State, 411001, India.  
Phone: (91)(20) 6721 0000  
In India, call: 000 800 650 1407

### Tariff:

Deluxe room : 6250/= INR /night  
(Exclusive of Current taxes)

### Inclusions:

- ✓ Buffet breakfast at designated venue
- ✓ Tea / coffee maker in the room along with the Refreshment centre (Mini-bar)
- ✓ Complimentary mineral bottle of water
- ✓ Heavenly bed along with heavenly bath amenities
- ✓ Access to Westin Work out
- ✓ Standard Wifi in the guest room

**For more information, please contact  
000 800 650 1407**





## Hotels nearby STPI Conference Venue (The Westin Pune)



Hotel	Distance from			Approximate Stay Charges per night
	STPI Con. Venue (Hotel Westin)	Pune Airport	Pune Railway Station	
<b>Hotel 'O'</b> North main road, Koregaon Park (020 4001 1000)	2 km	7 km	2.3 km	Single Occupancy- 5500 + Taxes  Double occupancy- 6000 + Taxes
<b>Hyatt Pune</b> 88, Pune Nagar Road, Adjacent to Aga Khan Palace, Mahindra Society, Kalyani Nagar. (020- 41411234)	2.2 km	3.8 km	6 km	Rs.5000-7000+Taxes
<b>St Lurn Hotel</b> 915/A, Koregaon Park Rd, Vasani Nagar, Koregaon Park (+91-20-40008000)	2.3 km	6.4 km	3.8 km	Rs. 4000-5000
<b>Oyo Hotel</b> Lane No. 6, North Main Rd. Koregaon Park) (+91 9313 9313 93)	1.3 km	7 km	4 km	Rs. 2000-2500
<b>Hotel Executive Residency</b> Noarth Main Road , Adjacent Lane Of Hotel 'O', 294 Koregaon Park, (+91-20-26122933 / 26119097)	2 km	7 km	2.3 km	Single Occupancy- 2200+ Taxes (Total=2610)  Double occupancy- 2500+ Taxes (Total=2968)
<b>Park Central Comfort E-Suites</b> Near Bund Garden Signal, Koregaon Park +91-20-41054105	2.5 km	6.2 km	4.4 km	Single Occupancy- 2900 + Taxes  Double occupancy- 3200 + Taxes
<b>Hotel Shree Panchratna</b> 7, Tadiwala Road, Near Pune Railway Station +91-20-26059999	4.1 km	8 km	0.5 km	Single Occupancy- 3500 + Taxes  Double occupancy- 4000 + Taxes



# REGISTRATION FORM



## SIXTH CONFERENCE AND CONTINUED EDUCATION PROGRAM ON

### TOXICOLOGIC PATHOLOGY OF NERVOUS AND MUSCULOSKELETAL SYSTEMS

October 21 - 23, 2016

“The Westin Pune Koregaon Park”, 36/3-B Koregaon Park Annexe, Mundhwa Road, Ghorpadi,  
Pune, Maharashtra, 411001, India

#### REGISTRATION FORM

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone / Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

STP-I membership #: \_\_\_\_\_ Amount: \_\_\_\_\_

Draft/cheque No. : \_\_\_\_\_ Bank: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Registration fee	Before October 10	Spot registration fee
STP-I member	Rs. 6000	Rs. 8000
STP-I Non member	Rs. 8000	Rs. 10000
Students	Rs. 2500	

**Online transfer details:** Axis Bank Ltd, Electronic City, A/C name: Society of Toxicologic Pathology – India, A/C # 912010024584538, IFS Code: UTIB0000677. Intimation of online transfer with filled registration form e-mailed to [stpi.india@gmail.com](mailto:stpi.india@gmail.com) and [Venkatesha.Udupa@glenmarkpharma.com](mailto:Venkatesha.Udupa@glenmarkpharma.com)

At par cheque/draft to be drawn in favour of Society of Toxicologic Pathology - India (STP-I), payable at Bangalore sent to Dr. Satish Panchal, Sun Pharma Advanced Research Co. Ltd., 907/4, GIDC, Makarpura, Vadodara- 390 010, Gujarat, India.  
Phone: +91 9825319421.



# PUNE / KOREGAON PARK



Pune, a sprawling city in the Indian state of Maharashtra, was once the base of the peshwas (prime ministers) of the Maratha Empire. It's known for the grand Aga Khan Palace, built in 1892 and now a memorial to Mahatma Gandhi, whose ashes are preserved in the garden. The 8th-century Pataleshwar Cave Temple is dedicated to the Hindu god Shiva.

Pune is considered the cultural capital of Maharashtra. Since the 1950s and 1960s, Pune has a traditional old-economic base. Most of the old industries continue to grow. The city is also known for its manufacturing and automobiles industries, as well as for research institutes of information technology(IT), education, management and training, which attract migrants, students, and professionals from India, South East Asia, the Middle East, and Africa. Pune is also one of the fastest growing cities in the Asia-Pacific region. The 'Mercer 2015 Quality of Living rankings' evaluated local living conditions in more than 440 cities around the world where Pune ranked at 145, second in India after Hyderabad(138). It also highlights Pune among evolving business centers and emerging 9 cities around the world with citation "Hosts IT and automotive companies".

## LOCAL ATTRACTIONS

- Shreemant Dagdusheth Halwai Sarvajanik Ganpati
- Darshan Museum
- ISKCON NVCC Temple
- Sri Balaji Mandir
- Malshej Ghats
- Bhimashankar Temple
- Sinhagad Fort
- Sarasbaug Ganpati Temple
- National Defence Academy
- Chaturshrungi Temple
- Raja Dinkar Kelkar Museum
- Pu La Deshpande Garden
- Phoenix Market City
- Western Ghats
- Aga Khan Palace
- Rajgad Fort
- Katraj Jain Temple
- and many more...

Centered amidst the plush neighborhoods of Koregaon Park and Kalyani Nagar on the banks of the Mula Mutha river, The Westin Pune Koregaon Park offers its guests local attractions and lifestyle choices to engage during their leisure time with colleagues or friends. The Pune International Airport is a mere 10 minutes of drive and the city center being 10 minutes (7.5 km) away from the hotel is the choice of many guests who are on business travel or leisure weekend getaway.

Sitting at the nerve center of Pune's nightlife, Koregaon Park is the destination for nightclubs, cafe or bistros, lounges, multiplex theatres, shopping malls and lifestyle boutiques. The by lanes of this green neighborhood offers picturesque views over a stroll or drive. Mahatma Gandhi and Jangali Maharaj roads are hosts to most of the corporate offices, commercial centres, and business offices for those on a business travel.

Most shops are open from Monday to Friday between 10am and 8:30pm. The Rupee (INR) is accepted everywhere. While command of Hindi is an added advantage, Marathi is the primary language spoken. English, though not widely used in smaller stores, is generally spoken at the larger stores.



## LOCAL AREA ATTRACTIONS

- The Aga Khan's Palace 3.0 km/1.9 miles
- Tribal Museum 4.0 km/2.5 miles
- Raja Dinkar Kelkar Museum 8.0 km/5.0 miles
- Parvati Hills 12.0 km/7.5 miles
- The Pataleshwar Caves 8.0 km/5.0 miles



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