



**SECOND CONFERENCE
OF
THE SOCIETY FOR TOXICOLOGIC PATHOLOGY IN INDIA**

"CURRENT CONCEPTS IN TOXICOLOGICAL PATHOLOGY"

ORGANIZED BY:

SOCIETY FOR TOXICOLOGIC PATHOLOGY IN INDIA (STPI)

IN ASSOCIATION WITH

SOCIETY OF TOXICOLOGIC PATHOLOGY (STP), USA

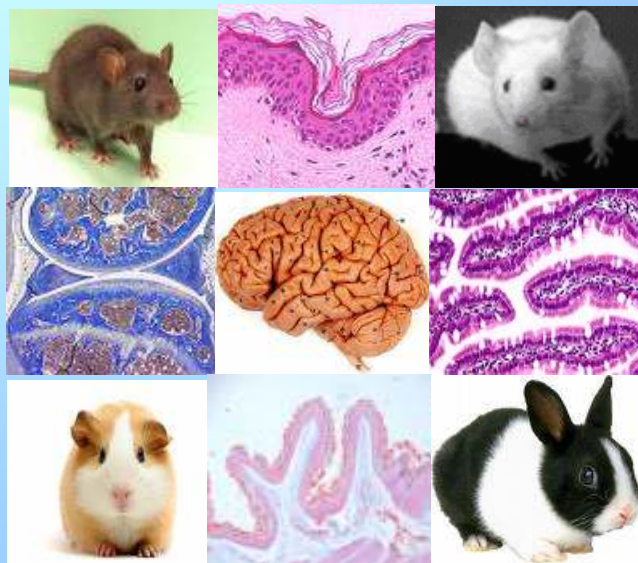
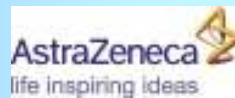
OCTOBER 23-25, 2008

VENUE:

The Atria Hotel

1, Palace Road, Bangalore - 560 001

Major Sponsors



Distinguished Colleagues,

It gives us immense pleasure to invite you on behalf of the organizing committee to attend the Second Conference of the **Society for Toxicologic Pathology in India** "Current concepts in Toxicological Pathology" in collaboration with **Society of Toxicologic Pathology, USA**, to be held on October 23-25 at Hotel Atria, Bangalore.

The '**Society for Toxicologic Pathology in India**' established in 2004 with the objective of providing an excellent platform to share thoughts and update recent developments in Toxicologic Pathology to meet international standards, is organizing this scientifically valuable meeting in collaboration with **Society of Toxicologic Pathology, USA**. The seminar will offer an excellent opportunity to the participants for interaction with reputed and eminent Toxicologic Pathologists of India and abroad and to gather and exchange information and ideas on International trends in Toxicology and Pathology. All scientists are requested to take the message personally for a larger participation and maximal benefit.

Conference will have Guest lectures by eminent Toxicologists, Veterinary Pathologists and Toxicologic Pathologists of India, Young Scientist Award and Best Poster Presentation Award. Detailed programme is placed on our Website: <http://www.toxpathindia.com>

REGISTRATION

Participation is open to all individuals interested in the field of Veterinary Pathology, Toxicology, Toxicologic Pathology and other allied sciences. Those desirous of attending should fill up the registration form and mail the same to the Treasurer, STPI.

REGISTRATION FEE FOR CONFERENCE

STPI member	Rs. 3000	spot registration-Rs. 3500
Non member	Rs. 3500	spot registration-Rs. 4000
Students	Rs. 1500	

- A certificate from the Head of Department is required for a bonafide PG student

PAYMENTS

All the payments should be made by "at par cheque" or Demand Draft drawn in favor of "Treasurer, Society for Toxicologic Pathology in India" payable at Bangalore.

ABOUT BANGALORE



The capital of the state of Karnataka, Bangalore is situated halfway between the east and west coasts in southern India. The city was founded in the 16th century and was ruled by great southern dynasties like the Kadambas, the Hoysalas and Vijayanagar Empire. Legend has it that the name Bangalore comes from "boiled beans" (Benda Kaluru), which was served by a humble old lady to a hungry ruler in the 10th century.

Bangalore is also called "the Garden City" thanks to its many parks and flowering trees. Thanks to many local parks, along with pink cassias, golden acacias, golden tabebuias, blue jacarandas and flaming gul mohars, which bloom throughout the city.

Many international visitors come to Bangalore for its IT industry and prestigious research institutes, such as the Indian Institute of Science, Indian Institute of Management, etc. While enjoying the pleasant weather year-round, tourists can also use the city as a central base for day trips to other Karnataka attractions.

Visit Website of Bangalore IT (<http://www.bangaloreit.in>) official website of Department of IT and Biotechnology and <http://kstdc.nic.in/> official website of Karnataka State Tourism Development Corporation, Government of Karnataka for more details.

ACCOMMODATION

Limited accommodation will be available in the University guest-house, Karnataka Veterinary Council Guest House, PDDBC Guest House and IVRI Guest House on first come/informed basis to the delegates. The rest of the delegates will be assisted in getting accommodation in hotels if they can let us know in advance. For further details, contact **Dr. Prathap Kumar**, Advinus Therapeutics Private Limited, 21&22, Peenya Industrial Area, Phase II, Bangalore - 560 058, Phone (O): 080-28394959, Mobile: 9740653563 , e-mail: prathap.kumar@advinus.com

SUBMISSION OF ABSTRACTS FOR YOUNG SCIENTIST AWARD

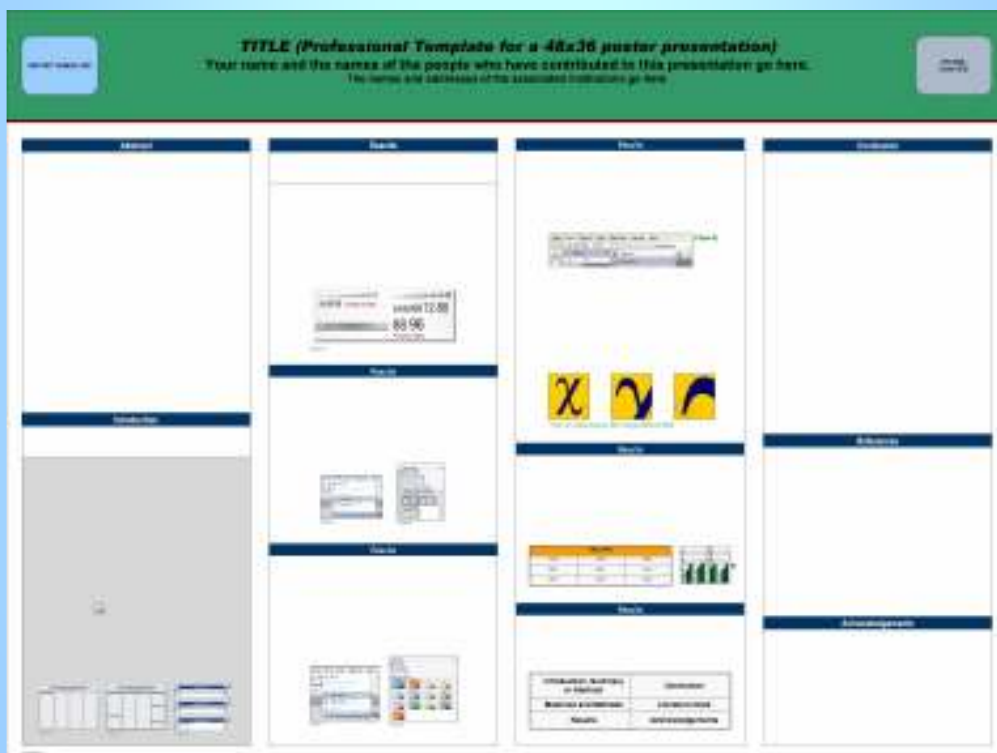
Professor M. K Shingatgeri Memorial Young Scientist Award is instituted by Dr. Vyas M Shingatgeri, Director, Drug Safety Evaluation, Ranbaxy Laboratories Ltd., R&D, Gurgaon, in memory of Late Professor M. K Shingatgeri, Former Dean of Bombay Veterinary College and Professor and Head of the Department 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. 3000.

All individuals less than 35 years of age and member of the society 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 on CD or DVD or in a 1.44" floppy disk (virus free) or through E-mail (not as an attachment file but as a body of the mail) to the Organizing Secretary Dr. Shekar Chelur (E-mail: stpi.india@gmail.com) latest by September 15, 2008. Total number of presentations is restricted to eight.

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. 1000.

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 on CD or DVD or in a 1.44" floppy disk (virus free) or through E-mail (not as an attachment file but as a body of the mail) to the Organizing Secretary Dr. Shekar Chelur (E-mail: stpi.india@gmail.com) latest by September 15, 2008. 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.



SOCIAL EVENTS

All registered participants will receive social event passes for dinners on 23rd and 24th October 2008.

MEETING MATERIALS

All registered attendees can pick up printed program books, badges and social event passes at registration desk.

AWARDS CEREMONY

The Awards Ceremony will take place on October 25. STPI Young Scientist Award recipients and Best Poster presentation award recipients will be recognized at this time.

GENERAL BODY MEETING

The Society's Business Meeting will be held on October 23 evening.

HOTEL INFORMATION

Hotel Reservations

STPI has reserved limited number of rooms at discounted rates at the Hotel Nandhini, Hotel Atria, Hotel Ashraya International, Hotel Chalukya. Delegates are requested to contact the hotel directly. Please remember to refer to the Society of Toxicologic Pathology in India Meeting in order to receive the discounted rates (maximum 15%). It is important to make reservations as soon as possible to assure availability. All cancellations and changes should be made directly with the hotel.

1. Hotel Nandhini

164, MLA lay out, R.T Nagar Main road

Bangalore-560032

Ph: +91 80 22178900 Fax; +91 80 22178951

Email: rooms.nandhini@rediffmail.com

Website; www.nandhini.com

Contact person: Joseph D ' Mello, Front office manager

Mobile: 9916294360, Email : jdprm_2007@rediffmail.com

Room tariff (discount 15 %): Deluxe AC -- Rs-1200 (single Occupancy), Rs -1500 (double occupancy)

Comfort class - Rs -1400 (single occupancy) , Rs -1600 (double occupancy)

2. Hotel Chalukya

44, Race Course Road

Basaveshwara Circle, Bangalore - 560 001 India

Phone: +91 80-22266866, 22256576

Fax : +91 80-22253377

e-Mail: gm@hotelchalukya.com, reservation@hotelchalukya.com

Room Tariff range from Rs. 2250 to Rs. 3700 + Tax

3. Ashraya International Hotel

149 Infantry Road

Bangalore 560 001

Phone: +91-80-40355999, +91-80-22261921, +91-80-51148484, +91-80-51131590 to 92

Fax: +91-80-22263982

Room Tariff: Rs. 3000 to Rs. 5000 + Tax(Contact person: Mr. Vinod)

Email: ashintel@bgl.vsnl.net.in / booking@ashrayahotel.com

4. The Atria Hotel

No. 1, Palace Road,

Bangalore - 560001

Ph: 91-080-22205205

Fax: 91-080-22256850

Contact: Mr. Nithin, LOBBY MANAGER

E-mail: atriahotel@yahoo.com / atriahotel@rediffmail.com

Room Tariff:

Lifestyle Single Room Rs.7,000/+Tax

Lifestyle Double Room Rs.7,600/+Tax

Transportation

Bangalore international airport is located at Devanahalli, 35 kilometers from Bangalore City. Most U.S. and many international airlines offer direct flights to Bangalore.

Transportation from the Airport

Car Rental

Bangalore International Airport (<http://www.bengaluruairport.com>) is served by two major car rental firms. Easy Cab - 4343 4343, Meru - 4422 4422, 24 hour service (Rs 15/- per kilometre, plus waiting charge @ Rs 60/- per hour). **The Citywide public transportation agency is Bangalore Metropolitan Transport Corporation (BMTC).**

Local Transportation

Conference organizers will provide transport from University guest-house, Karnataka Veterinary Council Guest House, Aranya Bhavan Guest House and IVRI Guest House.

The Citywide public transportation agency is Bangalore Metropolitan Transport Corporation (BMTC). Auto Rickshaws and City Taxis are other means of transport.

List of speakers

Brian Short, DVM, PhD, DACVP

Sr Director of Pathology, Drug Safety Evaluation
Allergan, Inc. USA

Dana B. Walker, DVM, DACVP, PhD

Principal Veterinary Pathologist,
Director of Clinical Pathology-Syracuse Site
Bristol-Myers Squibb, USA

K.S. Rao, D.V. M., Ph. D., D.A.B.T.

Senior Director and Head of Toxicology
Advinus Therapeutics Private Limited,
Bangalore, India

Klaus Weber, DVM, PhD

Chief Scientific Officer
RCC Ltd, Switzerland

Nancy Everds, DVM, DACVP

Amgen, USA

Noël Dybdal, DVM, PhD, DACVP

Associate Director of Safety Assessment
Genentech, Inc., USA

Paul W. Snyder, DVM, PhD

Professor of Toxicologic Pathology
Purdue University, USA

Sesikeran B., M.D.

Director, National Institute of Nutrition
Hyderabad, India

Shashi K. Ramaiah, Ph. D., D.A.B.T. DACVP

Senior Principal Scientist, Clinical Pathologist & Biomarker
Lead
Pfizer Global Research and Development, USA

Sowmya Bharath

AstraZeneca India Pvt. Ltd, Bangalore, India

Srinivas S. Rao D.V.M., Ph.D, M.B.A., DACVP

Chief, Laboratory Animal Medicine,
Vaccine Research Center, NIAID/NIH, USA

Venkatesha Udupa

Associate Director-Drug Safety Evaluation
Ranbaxy Laboratories Limited, Gurgaon

Vijayasarithi, S. K. M. V. Sc., Ph. D

Head, Pathology, Safety Evaluation
Advinus Therapeutics Pvt. Ltd,
Bangalore, India

Vishal S. Vaidya, Ph.D.

Brigham and Women's Hospital, Harvard Medical School
Renal Division, USA

Programme Details

October 23, 2008

- 8.00 am Registration
8.30 am Inauguration
9.00 am Introduction and symposium overview; Dr. Vijayarathi and Dr. Shashi Ramaiah
9.15 am Bone Marrow differentiation in Toxicology Studies - Sense and Non-sense: Dr. Klaus Weber, RCC Ltd
10.00 am BREAK
10.15 am Immunotoxicologic Pathology I: Dr. Dana Walker
11.15 am Safety Assessment of Monoclonal Antibodies: Dr. K. S. Rao, Advinus Therapeutics Pvt. Ltd.
11.45 noon Immunotoxicologic Pathology I: Dr. Dana Walker (Continued)
1.00 pm LUNCH
2.00 pm Immunotoxicologic Pathology II: Dr. Paul Snyder
3.00 pm BREAK
3.15 pm Young Scientist Award presentations
4.30 pm Immunotoxicologic Pathology II: Dr. Paul Snyder (Continued)
5.30 pm General Body Meeting

October 24, 2008

- 8.00 am Design, conduct and interpretation of Safety Pharmacology studies in support of IND applications for Biologics, Dr. Noël Dybdal, Genentech, Inc., USA.
8.45 am Toxicology of the blood and bone marrow I: Dr. Nancy Everds
9.45 am BREAK
10.00 am **Sponsor's lecture:** Inhalation Exposure Systems and LabMaster System, Dr. Thomas Budiman from TSE-Systems – Germany
10.15 am Toxicology of the blood and bone marrow I: Dr. Nancy Everds (continued)
11.15 am INHAND Nomenclature Project: Overview: Dr. Paul Snyder, Councilor, Society of Toxicologic Pathology, USA
Question and Answer Session
12.00 noon Preparing protocols for safety assessment of recombinant DNA products: Dr. B. Sesikeran, Director, National Institute of Nutrition, Hyderabad
12.30 pm LUNCH and Poster session
2.00pm Toxicology of the blood and bone marrow II: Dr. Shashi Ramaiah
2.45 pm **Sponsor's lecture:** Carl Ziess India
3.00 pm BREAK
3.15 pm Young scientist award presentations
4.30 pm Phospholipidosis and its impact on risk assessment of pharmaceuticals: Dr. Venkatesha Udupa, Ranbaxy Laboratories Ltd, Gurgaon
5 pm Comparative pathology of Tuberculosis following infection from mice to men: Dr. Sowmya Bharath, AstraZeneca India Pvt. Limited, Bangalore

October 25, 2008

- 8.00 am Rodent models of metabolic disorders and their use in safety assessment: Dr. S. K Vijayarathi, Head, Pathology, Advinus Therapeutics Pvt. Ltd., Bangalore
8.45 am Renal Toxicologic Pathology I: Dr. Brian Short
9.45 am BREAK
10.00 am Award Presentations
10.15 am Urinary system, Toxicologic Pathology I: Dr. Brian Short (Continued)
11.00 am Urinary System, Toxicologic Pathology II: Dr. Vishal Vaidya
12.00 noon Impact of Laboratory Animal Diseases on Toxicologic Pathology: Dr. Srinivas Rao, NIH, USA
1.00 pm LUNCH
2.00 pm Renal Toxicologic Pathology II: Dr. Vishal Vaidya (Continued)

Informative Career Session: Opportunities in Toxicology and Pathology in academia and industry:
Tools for success: Discussion with the experts in Toxicologic Pathology

Speakers Profiles

Brian Short, DVM, PhD, DACVP

Sr Director of Pathology, Drug Safety Evaluation

Allergan, Inc. 2525 Dupont Drive, RD-2A, Irvine, CA 92612-1599, USA

Dr. Brian Short received his D.V.M. from the University of CA, Davis (1981), completed his veterinary pathology residency at the Department of Comparative and Experimental Pathology at the University of FL, Gainesville (1984) and became board certified by American College of Veterinary Pathologists (1985). He earned his Ph.D. in Experimental Pathology from the Department of Pathology at the University of NC, Chapel Hill (1988) and was concurrently a postdoctoral trainee under Dr. James Swenberg at Chemical Industry Institute of Toxicology, Research Triangle Park, NC.

Brian was Senior Pathologist at SmithKline Beecham Pharmaceuticals from 1988-1998, with pathology and toxicology responsibilities in drug discovery and development. He pursued his career at Allergan, Irvine, CA since 1998, helped in discovery and development of a diverse array of drugs for ophthalmic, neurological and dermal indications.

Brian is a member of several International scientific committees and most recently was President of the Toxicologic and Pathology Specialty Section and Councilor for the Carcinogenesis Specialty Section of SOT. He was extensively involved in teaching activities also. He has authored over 35 manuscripts and several book chapters, predominately in the area of renal toxicological pathology.

Dana B. Walker, DVM, DACVP, PhD

Principal Veterinary Pathologist, Director of Clinical Pathology-Syracuse Site

Bristol-Myers Squibb, Drug Safety Evaluation, 6000 Thompson Road, NY 13057, USA

Dr. Dana Walker is currently Director of the Clinical Pathology Laboratory and a Principal Pathologist at the Syracuse, New York site of Bristol-Myers Squibb, Drug Safety Evaluation. She was a clinical pathologist at Wyeth Research Laboratories for the 5 years prior to this, where she guided development of, oversaw regulatory immunotoxicology testing for their Drug Safety Evaluation Division. She received a PhD in immunology at North Carolina State University in 2002, for research conducted at the U.S. Environmental Protection Agency on developmental immunotoxicity. She has an M.S. in Toxicology from Texas A&M, a D.V.M. from the University of Missouri and a B.S. from the University of Oklahoma. She received combined clinical and anatomic pathology residency training at Oklahoma State University, and clinical pathology residency training at Texas A&M University, and was ACVP certified in clinical pathology in 1994.

Dana has received several awards and grants. She currently serves as Co-chair of ILSI-HESI Biomarkers Cardiac Troponins Working Group, and member of the Scientific Regulatory and Policy Committee of the Society of Toxicologic Pathology. She has authored manuscripts and book chapters covering topics in immunotoxicology, as well as general toxicology and pathology, and is a member of the several International scientific bodies.

K.S. Rao, D.V. M., Ph. D., D.A.B.T.

Senior Director and Head of Toxicology

Advinus Therapeutics Private Limited, Bangalore, India

Dr. K S. Rao earned B.V.Sc. & A.H. from Osmania University in 1961 and his M.V.Sc. in Animal Nutrition from Magadh University, 1963 with Gold Medals. He earned Ph.D. in Toxicology and Nutrition, At National Institute of Nutrition, with thesis submitted to the Magadh University, Gaya, India in the year 1967. He is a Diplomat of American Board of Toxicology (DABT)

K. S. Rao is currently Senior Director and Head of Toxicology Department at Advinus Therapeutics Private Limited, Bangalore. Prior to his assignment with Advinus, he was Director of Toxicology, Aptuit Inc, Kansas City. Briefly for two years he served as Director, Jai Research Foundation (JRF), Vapi, India. He has worked at Searle Labs and Dow Chemical Company after Postdoctoral fellowship at Case Western Reserve University, Department of Physiology, Cleveland, Ohio, where he worked with Dr. R.O. Recknagel on carbon tetrachloride hepatotoxicity in the rat. He has served as Chairman of the International Regulatory Committee of the American Crop Protection Association, Washington D.C

K. S. Rao has served as Secretary Treasurer and President of Michigan Regional Chapter of the Society of Toxicology. Currently, he is Editor-In-Chief of Toxicology International Journal. He has over 100 invited lectures delivered and Sixty Six Peer Reviewed publications in national and International Journals.

Klaus Weber, DVM, PhD
Chief Scientific Officer
RCC Ltd, Zelgliweg 1, 4452, Itingen, Switzerland

Dr. Klaus Weber did his DVM with Honors and the Master of Science in Biology from East Germany. His Doctoral thesis was "Spontaneous tumors of the brain, spinal cord and nerve roots of laboratory rats: Morphology, incidence, localisation and comparison with other species." He has 23 years of experience as a Toxicological Pathologist in various institutes & Universities. He joined RCC in 1991 and has his own company (Anapath) providing Histopathology services.

Klaus has given approximately 50 presentations & seminars, amongst them on difficult issues such as larynx pathology, brain tumors, as well as several days lasting seminars on spontaneous and induced lesions in laboratory animals, and has approximately 20 research papers to his credit, and a number are in progress. Beside his job as CSO and head of pathology, as well as tracking of preclinical packages and client's consultation, he has been examining, during the last 15 years, between 120000 to 150000 organs yearly. At this time, he was evaluating amongst all different study types, nearly 20 oncogenicity studies in rats, mice and hamster. A high portion of these studies were Peer-Reviewed and never revealed problems.

Klaus can speak German, English, Spanish, French, Russian, Italian, Portuguese and Japanese.

Nancy Everds, DVM, Diplomate, ACVP
Amgen, 1201 Amgen Court West, Seattle, WA 98119, USA

Dr. Nancy Everds earned her BS degree from the Massachusetts Institute of Technology (MIT), and her DVM degree from the University of Illinois, College of Veterinary Medicine. She did her residency in clinical pathology at Purdue University, and is board-certified by the American College of Veterinary Pathologists in Clinical Pathology. She is a member of several International scientific committees. She worked at Hoffmann-La Roche for seven years in the Department of Toxicology and Pathology, and in Discovery Pathology. She continued her career in DuPont. She recently took a position at Amgen in Seattle, WA to establish their clinical pathology department.

Nancy is a past-President of the Society of Toxicologic Pathology. She has also served on numerous committees of professional organizations such as STP, American College of Veterinary Pathologists, American Society of Veterinary Clinical Pathology, and Division of Animal Clinical Chemistry of the American Association of Clinical Chemistry. She is on the editorial board of the journal Toxicologic Pathology, the international journal of the STP and the British Society of Toxicologic Pathologists.

Noël Dybdal, DVM, PhD, DACVP
Associate Director of Safety Assessment, Genentech, Inc., California, USA

Dr. Noël Dybdal, D.V.M., Ph.D., Diplomate, American College of Veterinary Pathology is a leading veterinary pathologist at Genentech, Inc., California, US. Serving as Associate Director of Safety Assessment, she has been supporting Genentech's pathology program for the past 15 years and in various positions. She has been an integral part of drug development project teams and has provided leadership role in the process of Herceptin's safety and licensure.

Noël has extensive experience in the safety evaluation of monoclonal antibodies, proteins, antibody-drug conjugates and small molecules. She has authored numerous peer-reviewed papers, abstracts and book chapters.

Paul W. Snyder, DVM, PhD
Professor of Toxicologic Pathology, Comparative Pathobiology Department, Purdue University
West Lafayette, IN 47907-2027, USA

Dr. Paul Snyder currently is Professor of Toxicologic Pathology at Purdue University. He received a D.V.M. degree from Iowa State University, graduate pathology training from the University of Illinois, and a Ph.D. in veterinary immunopathology from Purdue University. He is certified by the American College of Veterinary Pathologists in anatomic pathology and he is also the Director of the Purdue Histology and Phenotyping Laboratory.

Paul has served on the editorial board for *Toxicologic Pathology* and is currently serving on the Scientific and Regulatory Policy Committee (SRPC) and the Joint Regulatory Affairs Committee (JRAC). He has served on two Society of Toxicologic Pathology working groups that produced Best Practice Guidelines for Reporting Pathology Interpretations within GLP Studies and for the Routine Pathology Evaluation of the Immune System, and he is

currently serving on the STP working group to write a review paper on the effects of stress/moribundity on pathologic endpoints. He is also a member of the Cardiovascular Working Group for the International Harmonization of Nomenclature and Diagnostic Criteria. Dr. Snyder has been the major professor for many PhD students and has served on numerous Masters and PhD advisory committees. He has not only published numerous scientific publications, book chapters, and abstracts, but also been an invited speaker or participant in a number of national and international forums.

Sesikeran B., M.D.

**Director, National Institute of Nutrition
Indian Council of Medical Research, Hyderabad, India**

Dr. Sesikeran obtained medical degree from Stanley Medical College, Madras University in 1975 and joined National Institute of Nutrition in 1977 as Assistant Research Officer. He earned his M.D in Pathology from Gandhi Medical College, Osmania University in 1983. After serving at various capacities, he became Director of NIN in 2006. His areas of research are Nutritional Pathology, Toxicology, Oncology with special emphasize on Diet and cancer, Nutrition and Apoptosis.

Sesikeran has 58 publications in both national and international journals and has authored a chapter in Textbook of Dermatology. He is recipient of several awards/honors and he is a Fellow of A.P. Akademi of Sciences, Hyderabad. He has guided several Ph.D., MD and MDS students.

Shashi K. Ramaiah, Ph. D., D.A.B.T. DACVP

**Senior Principal Scientist, Clinical Pathologist & Biomarker Lead
Drug Safety Research and Development, Pfizer Global Research and Development
St. Louis Laboratories, Chesterfield, MO 63017, USA**

Dr. Shashi Ramaiah is presently working in Pfizer Global Research and Development. Previously, he was the Assistant Professor in the Department of Pathobiology and a member of the interdisciplinary Faculty of Toxicology at the College of Veterinary Medicine, *Texas A&M University*, College Station, TX, USA. He completed his undergraduate and graduate programme, *University of Agricultural Sciences*, Bangalore, India. He received PhD in the Department of Pharmacology and Toxicology at the *University of Louisiana at Monroe*. He completed the Clinical Pathology residency program from the University of Florida and was awarded Diplomate certification. He is also certified in toxicology (DABT) by the *American Board of Toxicology*.

Shashi's research interests have centered on understanding hepatic inflammation. He has published over 30 peer-reviewed articles, 10 review articles and chapters for books and numerous presentations in national and international meetings.

Shashi has received several awards. He is on the editorial committee of *Veterinary Clinical Pathology* journal, *International Journal of Toxicology* and *Toxicologic Pathology*. He is on the Program Committee of *American College of Toxicology* and a member of Career Outreach Committee of *Society of Toxicologic Pathology*. He has served as a Co-Chair and Chair for the continuing education committee of the *Society of Toxicologic Pathology* and currently is the elected secretary for the *Gulf-coast chapter of the Society of Toxicology*.

Dr. Sowmya Bharath

**Scientist, Infective Pharmacology Department,
AstraZeneca India Pvt. Ltd, Bangalore, India**

Dr. Sowmya Bharath earned Masters degree in Veterinary Pathology from Veterinary College, Bangalore in 1993.

Sowmya started her career as a pathologist at Rallis Research Centre soon after her post graduation. She was involved in GLP-toxicology studies including dose range and sub-chronic studies for agrochemicals. Subsequently, she moved to AstraZeneca where she is presently a scientist in the Infective Pharmacology department. During this tenure, Sowmya has gained valuable experience in the field of tuberculosis research with specific emphasis on in vivo pharmacodynamic models. With strong histopathology knowledge and acquired skills in cell culture, microbiology, especially dealing a class III airborne pathogen, she is an integral part of the drug discovery team dedicated for new drug discovery for Tuberculosis.

She is a Gold medalist in M.V.Sc and has authored 4 papers in peer-reviewed International journals. Sowmya and her colleagues won the best poster award in the International Society of Anti-infective Pharmacology meeting at Chicago in 2006.

**Srinivas S. Rao D.V.M., Ph.D, M.B.A., Diplomate, ACVP,
Chief, Laboratory Animal Medicine, Vaccine Research Center, NIAID/NIH, Maryland, USA**

Dr. Srinivas Rao is currently Chief, Laboratory Animal Medicine, Animal Program Director at Vaccine Research Center (VRC), National Institute of Allergy and Infectious Diseases (NIAID), NIH. Dr. Srinivas Rao has worked as Assistant Director, Comparative Medicine, University of Maryland Medical School. He is also Adjunct Faculty, Comparative Medicine, Johns Hopkins School of Medicine Baltimore, Maryland. He is recipient of several several awards and fellowships including Outstanding student leadership award by the President, University of Maryland, Baltimore.

Srinivas is a board certified veterinary pathologist and Laboratory animal veterinarian, research scientist, and clinical veterinarian with broad-based experience in veterinary pathology, toxicology, basic and applied cellular and molecular biology research, biotechnology research facility operations, preclinical testing, budgetary oversight and program manager. He has two patents and more than 25 publications.

**Venkatesha Udupa
Associate Director-Drug Safety Evaluation, Ranbaxy Laboratories Limited, Plot 20, Sector 18, Gurgaon**

Dr. Venkatesha Udupa earned B.V.Sc and M.V.Sc (Pathology) from Veterinary College, University of Agricultural Sciences, Bangalore in 1993 and 1995. Further, he accomplished M.Sc in Toxicology from University of Surrey, UK in 1997. He has 28 scientific publications in International and National Journals, and co-author for book chapter on topics in Discovery and Regulatory Toxicology in Pharmaceutical Industry.

Venkatesha Udupa is currently Associate Director-Drug Safety Evaluation at Ranbaxy Laboratories Limited, Gurgaon. He has worked as Study Director and Study Pathologist in Pharmaceutical Industry since 10 years. He is one of the Executive Industrial Member of Indian Association of Veterinary Pathologist.

**Vijayarathi, S. K. M. V. Sc., Ph. D
Head, Pathology, Safety Evaluation, Advinus Therapeutics Pvt. Ltd, Bangalore, India**

Dr. S. K. Vijayarathi graduated in the year 1966 and completed M.V.Sc in Veterinary pathology in 1968 and Ph.D in 1982 from the UAS, Bangalore. He was extensively involved in teaching and research work for nearly 35 years (1969-2004) in the department of pathology, University of Agricultural sciences, Bangalore. During this period he has guided 25 M.V.Sc and 4 Ph.D students and also worked as a member of advisory committee for more than 150 students. In addition he was also involved in the research projects funded by the university and also other funding agencies.

Vijayarathi is recipient of several awards including the ICAR best teacher award. He has published 82 scientific papers in various scientific journals. He has presented several scientific papers in several National and International conferences. He has worked as a consultant pathologist to several Pharmaceutical companies for more than 25 years. He has vast experience in the field of NCEs for the past several years. He is a Member of several scientific bodies including President of STPI.

**Vishal S. Vaidya, Ph.D.
Brigham and Women's Hospital, Harvard Medical School
Renal Division, HIM-550, 4 Blackfan Circle, Boston, MA 02115, USA**

Dr. Vishal Vaidya received his PhD from University of Louisiana at Monroe. His thesis work was to understand biochemical and molecular mechanisms of tissue repair after kidney toxicity. As a NKF fellow he developed and evaluated a high throughput method to measure urinary kidney injury molecule-1 (Kim-1) as a sensitive and specific biomarker for acute kidney injury in preclinical and clinical studies. He was given the risk assessment specialty section award by the SOT for this work. He was recently awarded the pathway to independence grant from National Institutes of Health to continue his work on Kim-1 and understand the mechanisms of kidney injury and repair.

Vishal is currently an Instructor in medicine at Harvard Medical School and an associate biologist at Brigham and Women's hospital and his primary research interests include identifying novel approaches for early detection of kidney injury. He has over 25 papers including original research articles, reviews and book chapters. He serves as a reviewer for several toxicology journals and recently served as a guest editor for a special issue on Biomarkers of Toxicity for the journal "Toxicology". He is a member of several scientific societies including Society of Toxicology and American Society of Nephrology.

Organizing Secretary

Dr. Shekar S. Chelur

Aurigene Discovery Technologies Limited,
39-40, Electronics City Phase II,
Hosur Road, Bangalore-100
Phone: +91 80 28521314
Mobile: + 91 9880237237
e-mail: shekar_c@aurigene.com

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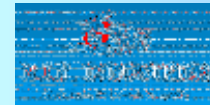


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