4th Asian Congress for Alternatives to Animal Experiments (4ACAAE) on Non-animal Approaches: Concept, Validation and Regulatory Acceptance

7th Annual Meeting of the Society for Alternatives to Animal Experiments - India

December 12-14, 2024

Jamia Hamdard (Deemed to be University)
New Delhi 110062, India

Plenary Speaker

Dr. Troy Seidle

Vice President, Research and Toxicology, Humane Society International (HSI), Washington, District of Columbia, USA

Dr. Troy Seidle leads a global team of experts who work with governments, companies, research funding bodies, scientists and public interest stakeholders to promote acceptance of modern, animal-free approaches to testing and research. With three decades' experience in biomedical and toxicological science policy, he possesses an extensive knowledge of current and emerging testing and research methodologies and of legal and regulatory frameworks across many different countries and sectors. Seidle's contributions to political negotiations led to an unprecedented 50% reduction in animal test requirements for pesticides and biocides in Europe, which earned HSI a LUSH Prize.

He is the chief architect behind the Animal-Free Safety Assessment (AFSA) Collaboration, a forum for stakeholder dialogue and cooperation toward a common vision of a not-so-distant future without animal testing. He has provided expert testimony to governments across the globe and served on numerous high-level policy committees, including the Organisation for Economic Co-operation and Development, the European Union and the U.S. Environmental Protection Agency.

Seidle started early as an animal advocate: At 18, he was the youngest person to serve on the Canadian Council on Animal Care and witness first-hand the plight of animals used in science.

Source: https://www.hsi.org/about-us/our-leadership/troy-seidle/

Plenary Speaker

Dr.rer.nat., Ing. Helena Kandʼárová, ERT

Director of the Institute of Experimental Pharmacology and Toxicology,
Member of the Executive Board – CEM
Centre of Experimental Medicine SAS
Institute of Experimental Pharmacology & Toxicology, Bratislava
Slovak Republic

President of ESTIV (European Society for Toxicology In vitro), Vice-president of SETOX, Chair of the Slovak National Platform for 3Rs (SNP3Rs), Chair of the Communication Subcommittee at EUROTOX, EPAA Mirror Group Member, nominated national expert in the OECD expert groups, National representative at EURL ECVAM PARERE activities, representative of Slovak NETVAL laboratory. Senior scientist at CEM, the Slovak Academy of Sciences and Lecturer at the IBM, Faculty of Chemical and Food Technology, Bratislava, Slovakia
Source: https://www.helenakandarova.com/

Plenary Speaker
(confirmation awaited)

Dr. Thomas Hartung

Doerenkamp-Zbinden Chair Professor
Environmental Health and Engineering (Primary), Molecular Microbiology and Immunology (Joint), Whiting School of Engineering (Joint) and Center for Alternatives to Animal Testing (CAAT), John Hopkins University, Baltimore, MD, USA

Thomas Hartung, MD, PhD, steers the revolution in toxicology to move away from 50+ year-old animal tests to organoid cultures and the use of artificial intelligence. His research interests include toxicology; pharmacology; infectious disease; alternatives to animal testing; microphysiological systems; cell culture; validation; pyrogen testing; big data; artificial intelligence; metabolomics; developmental neurotoxicity; mini-brains.
Source: https://publichealth.jhu.edu/faculty/2308/thomas-hartung

DISTINGUISHED KEYNOTE & INVITED SPEAKERS

Keynote Speaker

Dr. Christian Pellevoisin

Scientific Director, MatTek & CEO Urbilateria
France

Experienced Scientific Director with a demonstrated history of working in toxicology, biotechnology, cosmetic and medical device industries. Skilled in Research and Development (R&D), toxicology, In Vitro assays. During his career he has been involved in numerous projects that have led to the introduction of new reconstructed human tissue models and in vitro methods for evaluating the safety and efficacy of products in different industries, including cosmetics, medical devices or drugs in an international environment.
Strongly committed to the recognition of alternative methods to animal experimentation, he is involved in development, validation and standardization of in vitro methods.
Working in complex environments, he knows how to build a network and influence to find consensus to achieve concrete goals. Convinced of the importance of sharing knowledge to build trust, he teaches and is responsible for education units on predictive toxicology at various universities. He is also consulting on NAMs for Toxicology and Efficacy to meet regulatory requirements.

Source: LinkedIn profile

Keynote Speaker

Dr. Yasuyuki Sakai

Professor, Department of Chemical System Engineering and co-appointed professor at Department of Bioengineering, University of Tokyo, Japan
President Designate & Member Board of Directors – Asian Federation of Societies for Alternative Animal Experiments (ASFSAAE)

His current research topics are development of microphysiological systems (MPS), engineering of implantable 3D tissues/organs, and large-scale culture of stem cells. He has been placing particular importance on realization of good mass transfers and 3D organization of cells in vitro. During his research carrier, he published over 250 original publications. He got several scientific awards such as Young Investigator Award of Society of Chemical Engineers, Japan, Publication Awards of Society for Bioscience and Bioengineering, Japan and Japanese Society for Alternatives to Animal Experiments (JSAAE). He became a fellow of American Institute for Medical and Biological Engineering (AIMBE) from 2012 for his outstanding contributions to tissue engineering and cell-based assays. He is a Guest Professor at Technological University of Compienge, France from 2019. He is also a Fellow of Society for Chemical Engineers, Japan, from 2021 and a Member of the Engineering Academy of Japan from 2022. He is working as an Editorial Board Member of Biofabrication, Bio-Design and Manufacturing (BDM) and Frontiers in Toxicology (in vitro toxicology), and Health Engineering.
Source; As provide by Prof. Sakai.

Keynote Speaker

Prof. Dipl.-Ing. Dr. Winfried Neuhaus

President of the European Society of Alternatives to Animal Testing (EUSAAT), AIT - Austrian Institute of Technology GmbH, Center Health and Bioresources, Competence Unit Molecular Diagnostics Giefinggasse 4, A-1210 Wien, Austria - Österreich

The research group of Prof. Neuhaus is working on the development and validation of in-vitro models for drug transport studies and disease modelling (stroke, traumatic brain injury,

Alzheimer's disease, inflammation). They are also investigating relevance and role of different transport routes (passive transport, active transport/efflux mediated by ABC-transporters, pinocytosis), and the role of the microenvironment (cells such as astrocytes) and shear stress mediated by blood flow on barrier properties in physiologic and disease models. His group is also exploring in silico-in vitro-in vivo correlations of drug transport.
Source: https://homepage.univie.ac.at/winfried.neuhaus/research%20interest.html

Keynote Speaker

Kristie Sullivan, MPH

Vice President, Education and Outreach, Institute for In Vitro Sciences (IIVS), Inc., Gaithersburg, MD, USA

Kristie Sullivan is the Vice President of Outreach and Education at IIVS. Prior to joining IIVS, Kristie served as VP for Research Policy at the Physicians Committee for Responsible Medicine, where she led a team charged with developing, promoting, and implementing New Approach Methodologies (NAMs) for the testing of drugs, chemicals, and other products. She has 20 years' experience advancing NAMs through scientific scholarship, validation, policy advocacy, and outreach.
Source: LinkedIn page of IIVS

AFSAAE Launching Ceremony Session Speakers

Dr. Hajime Kojima

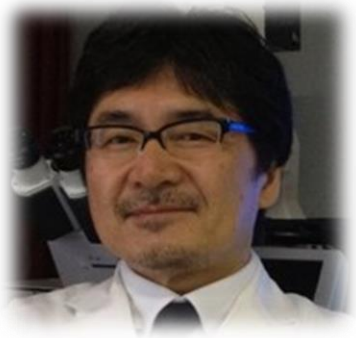
(Connected online)

National Institute of Health Sciences, Japan
secretary general of Japanese Center for the Validation of Alternative methods (JaCVAM)

Hajime Kojima, Ph.D., is the secretary general of Japanese Center for the Validation of Alternative methods (JaCVAM) and the section chief of Division of risk assessment, Biological Safety Research Center (BSRC) in National Institute of Health Sciences (NIHS) contributing to the identification and evaluation of in vitro test methods for their potential validation, in the field of genotoxicity and local toxicity (skin and eye). He holds several publications in refereed journals dealing with in vitro toxicity assay as well as validation study. Until now, he has contributed to be approved more than 10 test methods developed by Japanese in the OECD Test Guidelines.
Source: https://dermatology-conferences.com/speaker/hajime-kojima

Dr. Masato Hatao

Principal Scientist/Managing Director - Japan Cosmetic Industry Association (JCIA), Tokyo, Japan
Secretary General Designate - Asian Federation of Societies for Alternative Animal Experiments (ASFSAAE)



The JCIA works with the objective for the global development of the cosmetics industry and for a future where consumers can use cosmetics correctly and with confidence.
Source: w.w.w.

Prof. Bae-Hwan Kim

Department of Public Health
Keimyung University, Daegu, Republic of KoreaCurrent President, Korean Society for Alternatives to Animal Experiments (KSAAE)

His area of interest includes development and utilization of new alternative methods to animal testing, and efficacy evaluation of new functional ingredients for anti-oxidation, anti-inflammation, anti-wrinkle, whitening, atopy, obesity and inner-beauty.Source: https://newcms.kmu.ac.kr/publichealth/38293/subview.do

Dr. Ki-Suk Kim

Division Director, Principal Research Scientist, Division of Advanced Predictive Research, Korea Institute of Toxicology (KIT), Daejeon, South Korea
Secretary General, KSAAE

Dr. Seok-Joo Yoon

Principal Research Scientist, Korea Institute of Toxicology
Professor, Human and Environment Toxicology, University of Science & Technology, Daejeon, Seoul, Republic of Korea
Incoming President, KSAAE

Dr. Seok Joo Yoon, is a Principal research scientist of Korea Institute of Toxicology (KIT). At the Korea Institute of Toxicology he contributed to set up research programme in toxicogenomics field. He worked at NCCT, US-EPA as a visiting scientist. He is also appointed Professor of human and environmental toxicology at the Korea University of Science and Technology (UST). He has authored or co-authored more than 100 publications. He was also served as the Director of department of predictive toxicology and vice-president of KIT. It is here that he led the research to develop alternatives to animal study, biomarker, human pluripotent stem-cell derived hepatocytes & cardiomyocytes, zebrafish for drug screening, 3D cell culture, organoid and in silico toxicology. He is also contributing as expert in ISO TC229/WG3 (Nanotechnology).
Source: https://www.afsaae.org/yoon.pdf

Shuang-Qing Peng Ph.D.
Chief Scientific Officer (CSO)
Shanghai Medicilon Inc.

Dr. Peng is postdoctoral fellow in public health at Peking University and postdoctoral fellow in pharmacology at Michigan State University. He has been engaged in pre-clinical research of new drug innovation for long-time, and has undertaken the construction of GLP technology platform. He has published more than 300 scientific research papers(including more than 100 SCI papers) and edited 13 monographs. Dr. Peng won 12 scientific and technological achievement awards. He has received the honorary title of "National Outstanding Scientific and Technological Worker" by the China Association for Science and Technology, and the Outstanding Contribution Award of Chinese Toxicology. Dr. Peng has trained more than 90 master, doctoral and postdoctoral students. He holds academic positions such as new drug review experts and medical device review experts of NMPA, new chemical substance review experts of the Ministry of Ecology and Environment, and ETAP deputy editor-in-chief.

Source: https://www.medicilon.com/about-medicilon/

HSI SPONSORED - CENTRE FOR PREDICTIVE HUMAN MODEL SYSTEMS (CPHMS) SESSION EXPERTS

Moderator - Convener
Dr. Kasturi Mahadik
CSIR- Centre for Cellular & Molecular Biology (CCMB), Hyderabad, India

She leads the Centre for Predictive Human Model Systems, a premier science and policy centre that advocates for human-relevant research in India.
Her work involves engaging with scientists to drive confidence in human-centric technologies, with multi-stakeholders to reform policies, with students to drive educational programs and with the public to advance perceptions.
Kasturi's long-standing interest in this area is built on foundational work in health and disease at the Indian Institute of Science, Bangalore and stem cell biology at Universite Paris Cite, France.
Source: https://lushprize.org/kasturi-mahadik/

Experts in CPHMS Session (confirmation awaited)

Dr. Arunkumar Palaniappan

Vellore Institute of Technology (VIT), Vellore, India

A researcher with interdisciplinary training passionate about sustainable materials for health and the environment. Interested in green materials and processes. Looking forward to integrating data science into materials development. Strongly believe & very enthusiastic about human relevant tissue/ disease models for drug/ biomaterials screening applications (Science has and will continue to equip us to move away from using animals for making human medicines!). Responsible science and technologies for sustainable living.
Source: LinkedIn profile

Dr. Sourabh Ghosh

Professor, Department of Textile and Fibre Engineering, Indian Institute of Technology Delhi, New Delhi, India

Dr. Ghosh's laboratory research interest is to investigate at the interface between fundamental and applied research, by combining the principles of Textile Technology and Tissue Engineering with the aim to (i) to develop novel engineering solutions for complex clinical diseases, and (ii)

to gain better qualitative and quantitative understanding of the tissue microenvironmental conditions fundamental for tissue developments and pathogenesis.
Source: https://web.iitd.ac.in/~sghosh08/

Dr. Amitabha Bandyopadhyay

Professor, KENT Chair for Entrepreneurship & Innovation, Indian Institute Technology - Kanpur, Kanpur, India

His research is focused on understanding the mechanisms of cartilage and bone differentiation. They are using a variety of knock-out and transgenic mouse strains and developing chicken embryos in conjunction with several novel cell culture techniques, developed in-house, to study the various aspects of skeletal differentiation with special refernece to articular cartilage development and osteoarthritis. His research group is also interested in understanding the molecular mechanism that dictates the location of cartilage primordium segmentation, the link between segmentation (or initiation of joint morphogenesis) and articular cartilage differentiation, the molecular players involved in articular cartilage differentiation, the molecules that are responsible for maintenance of articular cartilage fate and the molecular basis of osteoarthritis.

Source: https://www.iitk.ac.in/bsbe/amitabha-bandyopadhyay

Dr. Karishma Kaushik

Executive Director, IndiaBioscience, National Centre for Biological Sciences, Bangalore, Karnataka, India

Karishma is a physician-scientist who has led and been involved in a range of initiatives across the scientific landscape in India.

After her MBBS and MD in Clinical Microbiology from the Armed Forces Medical College, Pune, Karishma moved to the US to pursue a PhD. She completed her PhD at the University of Texas at Austin and returned to India as a Ramalingaswami Re-entry Fellow. She ran her independent research group at Savitribai Phule Pune University from 2018-2023.

In this new avatar as Executive Director, IndiaBioscience, she looks forward to expanding the impact of IndiaBioscience, by facilitating the scientific ecosystem across India, and fostering partnerships between communities in India and across the world.
Source: https://indiabioscience.org/

Dr. N. Madhusudhana Rao

CEO, AIC-CCMB, Retd. Scientist G at CCMB, Hyderabad, India

Rao' lab has developed, using in vitro evolution methods, a number of thermostable proteins. These mutants have been characterized using various spectroscopies and X-ray diffraction. Protein stability is seldom characterized with respect to interaction with surfaces. This aspect is being investigated in the lab. Ion selective field effect transistor (ISFET) was used as platform to develop a triglyceride sensor using evolved enzymes. Rao' lab is further interested in expanding this platform for other analytes. Plasmonic coupling in metal particles as a method to detect biomolecules is another interest pursued in his laboratory.

Source: https://www.iae.education/speaker/n-madhusudhana-rao/5

Members of Panel Discussion

Chief Panelist and Convener

Dr. Y.K. Gupta

Professor of Pharmacology, All India Institute of Medical Sciences (AIIMS), New Delhi, India

He is currently a vice chair designate AFSAAE and president of SAAE-India. He is also a Principal Advisor at Translational Health Science and Technology Institute (THSTI) in Faridabad, India. His field of specialization is neuropharmacology, clinical pharmacology and drug development, toxicology, and regulatory pharmacology.

Source: https://www.aiimsjammu.edu.in/wp-content/uploads/2021/08/Dr_YKG-Profile.pdf

Panelists (confirmation awaited)

Dr. Alok Dhawan

Director, Centre for Biomedical Research, Lucknow, India

Prof. Dhawan is currently Director of Centre for Biomedical Research, Lucknow. He also served as Founding Director of Institute of Life Sciences, and Dean, Planning and Development,

Ahmedabad University, Gujarat. He obtained his Ph.D. Degree in Biochemistry from University of Lucknow, India in 1991. He has been awarded D.Sc. Degree (h.c.) from University of Bradford, U.K., 2017. He was a Visiting Scholar, Michigan State University, USA; BOYSCAST Fellow, University of Surrey, Wales & Bradford, UK and Visiting Scientist, BIBRA Toxicology International, Surrey, UK. Professor Dhawan started the area of nanomaterial toxicology in India and published a guidance document on the safe use of nanomaterials. His group elucidated the mechanism of toxicity of metal oxide nanoparticles in human and bacterial cells. His work has been widely cited. He set up a state-of-the-art nanomaterial toxicology facility at CSIR-IITR as well as at the Institute of Life Sciences. He has also made significant contributions in the area of genetic toxicology. Professor Dhawan has won several honours and awards including the INSA Young Scientist Medal in 1994, CSIR Young Scientist Award in 1999, the Shakuntala Amir Chand Prize of ICMR in 2002 and the Vigyan Ratna by the Council of Science and Technology, UP in 2011.

His work in the area of nanomaterial toxicology has won him international accolades as well and he was awarded two Indo-UK projects under the prestigious UK-IERI programme. He was also awarded two European Union Projects under the FP7 and New INDIGO programmes. In recognition of his work, he has been elected Fellow of several academies - The National Academy of Sciences, India; Fellow, The Academy of Toxicological Sciences, USA; Fellow, The Academy of Environmental Biology; Fellow, Academy of Science for Animal Welfare; Fellow—Society of Toxicology (India), Founder Fellow, Indian Nanoscience Society; Fellow, Gujarat Science Academy; Fellow, Royal Society of Chemistry, Fellow, National Academy of Medical Sciences (2017), President, Society of Toxicology (STOX), India (2018-2020), Vice President—Environmental Mutagen Society of India (2006–07); Member—National Academy of Medical Sciences; Member, United Kingdom Environmental Mutagen Society, U.K.; Member, Asian Association of Environmental Mutagen Societies, Japan. He has to his credit over 160 publications in peer reviewed national/international journals, 20 reviews/book chapters, four patents, two copyrights and has edited seven books.

Source: https://www.opentox.net/Alok-Dhawan

Dr. Rana P. Singh

Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India

Dr. Singh is a professor at the School of Life Sciences, Jawaharlal Nehru University, New Delhi, India. He has 31 years of research experience in the fields of carcinogenesis, cancer chemoprevention and therapeutics, tumor angiogenesis, radiation therapy, cancer Stem cells, spheroids, organoids, microgravity and cancer, anticancer natural agents, ayurveda biology. He

has several awards and honours to his credit such as the Department of Health Research (Govt of India) International Fellowship for Senior Biomedical Scientists-2023-24 to Johns Hopkins University, USA. (2024), Indo-US Science Technology Forum (IUSSTF)- 2019 Award for establishing "Centre for Integrative Cancer Biology and Therapeutics" (Virtual Networked Centre - JNU and Stanford University/OHSU, Portland, USA), ICMR International Fellowship for Young Biomedical Scientists-2013-14 to University of California Riverside, USA (2014), Post-doctoral Trainee Award for Prostate Cancer Research, U.S. Army Medical Research and Materiel Command, Department of Defense, USA. (2003), Scholar-in-Training Award, American Association for Cancer Research, Philadelphia, PA, USA. (2002).

Source: https://www.jnu.ac.in/content/rana_singh

Dr. S. Eswara Reddy

Joint Drug Controller, Centre for Drug Standards & Control Organization, New Delhi, India

Dr. Reddy was appointed the Drugs Controller General (India) in February 2018. He was the youngest Drugs Controller General (I) who has worked for all the positions of the hierarchies. At CDSCO, Dr. Reddy headed various internal divisions like medical devices, biologicals, new drugs, import & registration and others. He has vast experience in manufacturing of pharmaceuticals, academic research and drug regulations. He has published articles in various journals. Dr. Reddy started his career in 1998 as a Drugs Inspector at CDSCO, West Zone, Mumbai. At CDSCO, Mumbai he has conducted GMP, GCP, and GLP audits. He was promoted as Assistant Drugs Controller of India in 2009 and appointed as Deputy Drugs Controller (India) in 2012. In 2014, he was appointed as Joint Drugs Controller (India). Dr. Reddy is the recipient of Best Drugs Inspector Award in 2005, Best Drugs Control Officer in 2016, and the Distinguished Alumni Award from Manipal Academy of Higher Education, Manipal. With the vision to promote public health, he was actively involved in framing of Medical Devices Rules 2017, 12th Five Year Plan for strengthening of Indian Drugs Regulatory System and international matters related to MOUs, SOI, and other quality issues. He has organized numerous trainings for CDSCO officials to enhance their knowledge and make them competent. He has conducted Risk Based Inspections to ensure the quality of drugs being marketed in India.
He works with great enthusiasm and is committed to safeguarding and enhancing the public health by assuring the safety, efficacy, and quality of drugs, cosmetics and medical devices.

Source: https://usaindiachamber.org/Dr-Eswara-Reddy.php

Dr. Suresh Poosala

CEO & Founder, OncoSeek Bio Pvt. Ltd., Visakhapatnam, India

Dr. Poosala is the founder and president of OncoSeek Bio Pvt Ltd. He is an advisor to The Jackson Laboratory; Council Member, AAALAC International, Strategic Advisor, Science in India, The Jackson Laboratory, USA Committee member Antibiotic Residues, FSSAI, GOI, India, and Consultant for in vivo Regulatory and Facilities Accreditations, Pacific Rim Executive Member, Federation of Asian Biologists Association (FABA). He is a leader, scientist and motivator with three decades of international experience in fostering science, innovation and collaborative culture, by building and nurturing high-performing teams. His career spans scientific excellence in discovery and research, which resulted in high impact publications in high-visibility international journals including Nature and he created exceptional quality in vivo facilities and created trained teams for R&D. He has succeeded as a leader in enabling great collaborations between CROs and Discovery programs, academia and industry, and between many strategic partners. He returned to India after 25 years at NIH, Washington, Bristol-Myers Squibb, San Francisco, University of Maryland, Baltimore, and St. Jude's Research, Memphis. He launched a startup after his return to India and is participating in several active advisory roles and partnerships, his way of giving back to Science in India.
Source: https://oncoseekbio.com/aboutus.html

Dr. Krishnappa H.

Managing Director, Eurofins – Advinus, Bengaluru, India

Dr. Krishnappa, M.V.Sc., Ph.D., Diplomate, American Board of Toxicology and EuroTox Registered Toxicologist, over 30+ years of experience in Safety Assessment and Toxicology and over 30 years in GLP and 22 years in AAALAC accredited facility. He has experience both in the Pharmaceutical Industry and in Contract Research Organization.

Source: LinkedIn

Dr. Adip Roy

Associate Vice President-Regulatory Affairs, Amway India Enterprises Pvt. Ltd., Gurugram, India

Dr. Roy is a senior regulatory and toxicology scientist with expertise in chemical safety risk assessments for use in consumer products. He has Over 8 years of experience in neuroscience research especially in Addiction biology and learning & memory and expertise in natural safety risk assessment. He contributed to the national agenda on risk-based approaches for the safety assessment of cosmetics and food products. Besides a lead contributor to strategy on alternatives to animal testing (using next-generation risk assessment) in India. Dr. Roy a leading network with regulators, government agencies, scientific bodies, and key opinion formers in the areas of consumer and product safety.

Source: LinkedIn

Dr. Ekta Kapoor

Scientist 'F' & Head, National GLP Compliance Monitoring Authority, Department of Science and Technology, New Delhi, India

Dr. Ekta Kapoor works as Scientist F in the Department of Science and Technology, Government of India and a full time GLP Inspector of National Good Laboratory Practice Compliance Monitoring Authority (NGCMA) of India. She is a Doctorate in Pharmacy (Pharmacology). Dr. Kapoor has over a decade of experience in GLP compliance monitoring and is a 'Lead Inspector' of NGCMA. The committed and sustained efforts of Dr. Kapoor led to the quantum growth and visibility of NGCMA and its activities. She had been instrumental in the rigorous exercise for attaining India a full adherent status to 'Mutual Acceptance of Data' (MAD) in the OECD's Working Group on GLP. Dr. Kapoor represents India in the meetings of the OECD Working Group on GLP. She has conducted the On-Site evaluation of GLP Programmes of Canada, Japan and Thailand.

Source:
https://virtualcme.live/nurses_training_nims/images/pdf/Dr.%20Ekta%20Kapoor,%20Ph.D..pdf

Dr. Subrahmanyam Vangala

Co-Founder & CEO, Reagene Biosciences, India

Dr. Vangala is currently Co-Founder and Chief Executive Officer at ReaGene Biosciences Private Limited (Bengaluru, India), ReaGene Innovations Private Ltd (Hyderabad, India). He is an experienced pharma scientist and executive with more than 25 years of leadership experience with increasing responsibilities, at global pharma in USA (Wyeth, JNJ, Purdue Pharma and Shire) and Contract Research Organizations in India (Sai Life and Advinus). His industrial experience was focused on, but not limited to, new drug discovery and development with expertise in DMPK, Bioanalytical, Clinical Pharmacology and Toxicology. His Pharma experience produced more than 30 IND submissions, with at least six marketed molecules drugs including Zaleplon (short acting sedative-hypnotic), Tygacil (4th generation tetracycline antibiotic against vancomycin and methicillin resistant bacteria), Canagliflozin (targeted SGLT-2 inhibitor for type II diabetes), Tibsovo (targeted IDH1 inhibitor for refractory myeloid leukemia). Other areas he gained experience include predictive clinical drug-drug interactions, pre-formulation development, drug repurposing, specialty pharmaceuticals, generics, biologics/biosimilars, medical devices, pharmacogenomics, metabolomics and alternatives to animals in research.

Source: https://www.glostem.in/biographies/?speaker=538&conf=RDBW

Dr. Pratiksha Palahe

Head, National Facility for Biopharmaceuticals, Khalsa College, Mumbai, India

Pratiksha is currently heading a DST, Govt. of India sponsored lab with experience in project management, linking industry and academic, training and supporting industry in PoC studies. She is also appointed as IEC member for Ozone Forum of India and Medical Advisor to Epigeneres Biotech Pvt. Ltd. She is enthusiastic in molecular biology, immunology, oncology, environmental sciences, protein purification, mammalian tissue culture, flow cytometry and DNA sequencing.

Source: LinkedIn profile

Invited Speakers

Prof. Seung Hyeok Seok

Department of Microbiology and Immunology, Department of Biomedical Sciences, Cancer Research Institute, College of Medicine
Seoul National University, Seoul, Republic of Korea

Prof. Seok's research group is involved in the development of Cancer Immunotherapeutic Treatment by Targeting Tumor Associated Macrophage Macrophage, which makes up the large part of tumor, suppresses the function of CD8 T cells, greatly inhibiting the effectiveness of the immune checkpoint blockers currently in use. They also explore how tumor associated macrophage suppresses CD8 T cells and develop a new booster-concept cancer immunotherapeutic drug that can maximize the effectiveness of existing treatments by converting M2 type macrophage to M1 type. To this end, they introduce a variety of transgenic mice, and at the same time, and aim for applicable pre-clinical research through efficient convergence with clinical studies.
The other area of his research group is the development of a Method for Improving Tissue Regeneration by Macropage Cell Therapy By using the great potential of macrophage in a process of tissue regeneration, his laboratory is trying to develop Macrophage Cell Therapy for many regenerative diseases.
Source: https://cri.snu.ac.kr/en/about/research?mode=view&residx=51

Dr. Deepak Modi

ICMR - National Institute for Research in Reproductive and Child Health (NIRRCH), Mumbai, India

He is a Scientist at ICMR NIRRH. His lab is working on understanding the fundamental mechanisms of embryo implantation and early placentation. They are also studying as to how

these processes go awry in women with infertility. They are also interested in determining the molecular basis of gonad development and cell fate decision making within them. Dr. Modi is passionate about Understanding biological basis of sexuality and gender. Currently, he is working on the concept of Placenta-on-Chip to make pregnancy safe.
Source: Broadly based on LinkedIn profile

Dr. Savita Nutan

Founder, Medicine Without Cruelty, London, UK

Savita is passionate advocate for animal-free medical research. She has studied, trained and worked within the medical sciences and have seen firsthand how potential medicine tested on animals has kept medical research from moving forwards. She hopes to educate and explore animal-free innovative technologies, as well as highlighting animal cruelty facts, which can create real change.

Source: https://medicinewithoutcruelty.com/about-mwc

Dr. Prasadi De Silva

Department of Chemistry, University of Colombo, Sri Lanka

Source: https://www.res.cmb.ac.lk/chemistry/prasadi-de-silva/

Dr. Kalpani Ratnayake

Head/Senior Lecturer at the Department of Cosmetic Science, Faculty of Health Sciences, CINEC Campus, Malabe, Sri Lanka

Dr. Kalpani Ratnayke is the head of the Department of Cosmetic Science. She has expertise in Biochemistry and natural products with a research interest in the formulation of cosmetic products, dermatology, pharmacology, chemistry of natural products, and food and nutrition.

Source: https://fohs.cinec.edu/mrs-kalpani-rathnayake/

Dr. Mangala Gunatilake

Professor, Department of Physiology, Faculty of Medicine, University of Colombo, Sri Lanka

Prof. Mangala Gunatilake is a veterinarian and professor at the Department of Physiology, Faculty of Medicine, University of Colombo, Sri Lanka. She has pioneered immunogenicity studies in canines following anti-rabies vaccination in Sri Lanka. Results of the studies were used to revise the canine vaccination protocol in Sri Lanka in 2013. She is the founder President of the Sri Lanka Association for Laboratory Animal Science established in 2012 and introduced several alternative models including Zebrafish embryo model to Sri Lankan Researchers. Prof. Gunatilake has introduced laboratory animal science (LAS) education to Sri Lanka in 2011 by conducting the first certificate course in LAS in the Asian region with the support of international LAS organizations. She is the country representative in International Council of Laboratory Animal Science and was a member of the Asian Federation for Laboratory Animal Science Associations. Prof. Gunatilake is the Founder Director of the 3Rs Centre for Laboratory Animal Science in Sri Lanka. Furthermore, she has been the Joint Secretary of the South Asian Association of Physiologists since 2012 and a member of the Education Council of Federation of Asian Oceanian Physiological Societies.

Dr. Mohammed Idris

Senior Principal Scientist, CSIR- Centre for Cellular & Molecular Biology (CCMB), Hyderabad, India

Dr. Idris is currently a senior principal scientist at CCMB, Hyderabad, India. His current research interests are concerned with understanding the complexity of developmental biology and neuroscience using alternate model animals such as zebrafish (Danio rerio), marine chordates (Ascidians) and echinoderms (Asterias sp). His research activity mainly focuses in understanding the mechanism of regeneration and degeneration in these model animals involving proteomics and transcriptomics approaches. Regeneration of appendages in zebrafish, nervous tissue in ascidians and arms in Asterias sp are the few important ongoing research activities in his lab. He is also interested in understanding the molecular and functional mechanism of neurodegeneration due to the triplet repeat expansion as like in spino cerebellar ataxia and Huntington's disease using zebrafish as the model animal.

Source: https://www.ccmb.res.in/Research/Research-Groups/M-Mohammed-Idris

Dr. Aamir Nazir

Senior Principal Scientist, Division of Toxicology & Experimental Medicine Functional Genomics, CSIR- Central Drug Research Institute, Lucknow

Dr. Nazir is a Senior Principal Scientist, Division Of Toxicology & Experimental Medicine Functional Genomics, CSIR- Central Drug Research Institute, Lucknow. His research focuses on C. elegans biology and regulatory toxicology. His team worked on mechanisms of protection and repair in context of age associated neurodegenerative diseases. Nazir laboratory at CSIR-CDRI aims to understand mechanistic aspects related to the accrual of malformed and unwanted protein aggregates that hamper functioning of, and communication between, neurons. The

larger aim being identification of protein targets, epigenetic interventions and functional processes, that can aid in efficient clearance of noxious build-ups while eliciting positive effects on other key factors including neuroprotection, neuronal repair and functional outcome related to age associated neurodegenerative diseases.

Source: https://www.cdri.res.in/1725.aspx?id=1725

Prof. Imtaiyaz Hassan

Professor, Center for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi, India

Dr. Hassan is a professor at Center for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi, India. His research group is working in the most exciting areas of medicinal chemistry with special focus to the structure-based drug design and discovery, targeting human kinases. In his lab, the three-dimensional structure of potential drug targets and their complexes with inhibitors are determined by X-ray crystallography. The structural features of kinases are exploited to design high-affinity selective inhibitors that bare minimum side effects, using a combination of cutting-edge experimental, computational, molecular, and cellular biology methods. Dr. Hassan's research also involved the experimental investigations of protein folding pathways, global and local stabilities of proteins, and their conformation, which are required for the development of novel molecules that may be further employed to reduce the protein aggregates.

Source: https://hassanlab.org/

Dr. Gopinath Packirisamy

Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology (IIT) Roorkee, Roorkee, India

Dr. Packirisamy is a Professor at the Department of Biosciences and Bioengineering, IIT-Roorkee, India. His research expertise is in biomedical nanotechnology, drug delivery, biosensors, and tissue engineering. He has an excellent research record as many Indian patents are granted to him several others are filed.

Source: https://bt.iitr.ac.in/~BT/P_Gopinath

Dr. Haroon Habib Beigh

Associate Professor, Faculty of Medicine, AlaToo International University, Kyrgyz Republic

Dr. Beigh, MSc, Ph.D. Toxicology, is currently an associate professor at Faculty of Medicine, AlaToo International University, Kyrgyz Republic. He has expertise in reproductive Toxicology, with a profound knowledge of in-silico techniques. His research interests are fungicide and their implication on the male reproductive system. He has an insight of drug safety which he gained while working in the pharmaceutical industry and is currently contributing to the field of Toxicology as a Researcher and educator as well looking forward to the Use of alternative animal methods in his research and education.

Source: As provided by Dr. Haroon Habib

Dr. Chetana Sachidanandan

Scientist, CSIR-Institute of Genomics and Integrative Biology (IGIB), New Delhi, India

Dr. Chetana Sachidanandan is a scientist at CSIR-Institute of Genomics and Integrative Biology (IGIB), New Delhi, India. Her lab uses the zebrafish model to study neurodevelopmental disorders.

Source: LinkedIn

Dr. Mohana Krishna Reddy Mudiam

Director, Institute of Pesticide Formulation Technology, Gurugram, India

Dr. Mudiam is a Director at Institute of Pesticide Formulation Technology, Gurugram, India. His research areas include analytical method development and validation, metabolomics for toxicology, food Safety and phyto applications, xenobiotics residue analysis, environmental monitoring and biomonitoring, biosimilars characterization, regulatory affairs, untargeted contaminants analysis, pharmaceutical analysis including impurity profiling and forced degradation studies.

Source: https://ipft.gov.in/director/

Dr. Swarna Dabral

Assistant Professor, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, India

Dr. Swarna Dabral is Assistant Professor and a dedicated pharmacologist at Maharishi Markandeshwar (Deemed to be University), Ambala, India. She has harnessed alternative models and cutting-edge bioinformatics techniques to shape her research and drive innovation in the field. Her passion lies in drug repurposing, a frontier that offers new possibilities for improving human health while reducing our reliance on animal experiments. Dr. Dabral also deeply engaged in exploring bioinformatics tools as a synergistic tool to accelerate biomedical research.

Source: LinkedIn

Dr. B. Kiran Kumar

Senior Scientist, CSIR-Centre for Cellular & Molecular Biology (CCMB), Hyderabad, India

Dr. Kumar is a senior Scientist, at CSIR-CCMB, Hyderabad, India. His research focuses on the specific microenvironments regulating stem cells, commonly referred to as niches, comprising multiple cell populations whose precise contributions are under active current exploration. Understanding the cross-talk between stem cells and their niche components is essential for the development of therapies against disorders in which stem cell function is altered. Currently, his research group is investigating neuronal injury and its repair mechanisms under various conditions. They use 2D & 3D cell culture platforms and animal model systems.

Source: https://www.ccmb.res.in/People/Research-Group/B-Kiran-Kumar

Dr. Prajakta Dandekar Jain

UGC Assistant Professor, Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Mumbai, India

Dr. Prajakta Dandekar is a UGC Assistant Professor at the Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Mumbai, India. Her research team mainly focuses on polymeric nanocarriers for drug and gene delivery, developing preclinical cellular models for evaluating biopharmaceuticals, 3D cell models, and tissue engineering.

Source: https://www.ictmumbai.edu.in/emp_profiledetail.aspx?nDeptID=cia

Dr. Mohana Krishna Reddy Mudiam

Director, Institute of Pesticide Formulation Technology, Gurugram, India

Dr. Mudiam is a Director at Institute of Pesticide Formulation Technology, Gurugram, India. His research areas include analytical method development and validation, metabolomics for toxicology, food Safety and phyto applications, xenobiotics residue analysis, environmental monitoring and biomonitoring, biosimilars characterization, regulatory affairs, untargeted contaminants analysis,
pharmaceutical analysis including impurity profiling and forced degradation studies.

Source: https://ipft.gov.in/director/

Dr. Snigdha Misra

Assistant Professor, UPES, Dehradun, India

Dr. Snigdha Mishra is an avid fly researcher. While working on *Drosophila melanogaster*, a widely acclaimed invertebrate model for genetics, she received her Ph. D from CSIR- Indian Institute of Toxicology Research and later joined Dr. Mariana Wolfner's fly-lab at Cornell University, Ithaca, NY, USA, to work on male derived reproductive proteins and how they modulate the physiology and behavior of females, post-transfer. She has publications in journals of international repute.

Source: https://www.upes.ac.in/faculty/school-of-health-sciences-and-technology/dr-snigdha-mishra

Dr. Umesh Prasad

Associate Professor & Librarian, IT College, Lucknow, India

His expertise is in the area of health informatics with special reference to application of IT tools for risk assessment of exposure to chemicals in occupation settings.

Dr. Anoop kumar

Assistant Professor, Department of Pharmacology, Delhi Pharmaceutical Sciences and Research University (DPSRU),
New Delhi, India

Dr. kumar is Assistant Professor in the Department of Pharmacology, DPSRU, New Delhi, India. He did Ph.D in Pharmacy. His areas of research interest include drug Repurposing using In silico, in vitro and in vivo techniques, meta-analysis, network pharmacology, and signal analysis in pharmacovigilance. His name is also included in the top 2% Scientist of the World for the year 2021 in a study conducted by Stanford University, USA.

Source: https://dpsru.edu.in/Dr-Anoop-kumar-Assistant-Professor

Dr. Arnab Mukhopadhyay

Scientist, National Institute of Immunology, New Delhi, India

Dr. Mukhopadhyay is a scientist at National Institute of Immunology, New Delhi, India. His research interests include longevity, dietary restriction, diet-gene interactions, Insulin-IGF-1 signalling pathway, metabolism, stress response, germline development, reproductive aging, cell signaling, cross-tissue communications. The primary focus of his lab is to understand the molecular mechanisms that determine the longevity of an organism. He has several awards and honours to his credit such as JC Bose Fellowship (2023, Elected Fellow, Indian National Science Academy (INSA-2021), SERB-Science Technology Award for Research (STAR) award (2019), Elected Fellow, The National Academy of Sciences (NASI), India (2019), Elected Member of Guha Research Conference (GRC-2017), National Bioscience Award for Career Development (2016), Ramalingaswami Fellowship (2009-2014).

Source: https://www.nii.res.in/en/faculty/dr-arnab-mukhopadhyay

Dr. Ravi Ram Kristipati

Senior Principal Scientist, Environmental Toxicology
CSIR-Indian Institute of Toxicology Research, Lucknow, India

Dr. Kristipati is a senior Principal Scientist, at CSIR-IITR, Lucknow, India. His areas of specialization include drosophila Reproduction, diabetes and xenobiotics, and reproductive toxicology. His current research focus is the development of drosophila as a model for reproductive toxicity. His research findings help to provide a new, rapid, and economical Drosophila bioassay useful in the preliminary screening of chemicals for their potential to induce reproductive toxicity.

Source: https://iitr.res.in/en/StaffDetail.aspx?id=141

Dr. Aruna Satish

Principal Scientist, Environmental Toxicology
CSIR-Indian Institute of Toxicology Research (IITR), Lucknow, India

Dr. Aruna Satish is a Principal Scientist at Environmental Toxicology CSIR-IITR, Lucknow, India. Her research specialization includes nano and ecotoxicology, xenobiotics & obesity, aging & neurodegenerative diseases.

Source: https://iitr.res.in/en/StaffDetail.aspx?id=141

Dr. Yasir Hasan Siddique

Professor, Department of Zoology, Aligarh Muslim University, Aligarh, India

Dr. Siddique is a professor at Department of Zoology, Aligarh Muslim University, Aligarh, India. His team working on neurodegenerative disorders using transgenic Drosophila as a study model for Parkinson's Disease (expressing human alpha-synuclein) and Alzheimer's disease (expressing Aß-42). He also worked on the toxicity of various synthetic progestins and anti-cancerous drugs and on the protective effects of natural plant products (in vitro as well as in vivo) and proposed the mechanism of steroid toxicity and possible mechanisms of scavenging the free radicals by natural anti-oxidants.

Source: https://www.amu.ac.in/faculty/zoology/yasir-hasan-siddique

Chairpersons and Co-chairpersons

Dr. M. A. Akbarsha

General Secretary Research Coordinator, National College, Trichy Former Director & Chair, MGDC, Bharathidasan Univ., Trichy, India

He is the General Secretary of SAAE-India and was a leading force behind creation of the Society.

Dr. Syed Ziaur Rahman

Chairman, Department of Pharmacology, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh

Prof. Rahman is working in the field of Pharmacology. He played a significant role in starting a separate lab on "Alternatives to Animal Experimentation" in 2005. With his initiative, PhD program (Pharmacology) was started in the Department in 2015. He also played significant role in bringing AMC-PvPI and MDMC-MvPI at JNMC by sending the "Letters of Intent" in 2010 and 2021 respectively to Indian Pharmacopoeia Commission (An autonomous body of CDSCO, M/O Health & FW, Govt. of India), Ghaziabad. IPC nominated him the Coordinator of both AMC-PvPI and MDMC-MvPI at JNMC, AMU, Aligarh in 2021.He is an elected Fellow of Faculty of Pharmaceutical Medicine (FFPM), Fellow of International Medical Sciences Academy (FIMSA), National Academy of Medical Sciences (FAMS) and IMA Academy of Medical Specialties (FIAMS). He is involved with and/or member of 35 other learned educational bodies including International Association of Medical Colleges, International Brain Research Organization, International Society for Neurochemistry (ISN), Indian Science Congress Association (ISCA), Indian Medical Association (IMA), Safety Pharmacology Society (SPS), Association of Physiologists and Pharmacologists of India (APPI) and Indian Pharmacological Society (IPS).

Source: https://www.amu.ac.in/faculty/pharmacology/syed-ziaur-rahman

Dr. Sreejith Parameswara Panicker

Department of Zoology, University of Kerala, India

Dr. Panicker and his research group work on dermatological research, cancer biology, molecular biology, biochemistry, and endocrinology. He has expertise in the observation and collection of Caecilians and *Rana Curtipus*. His team developed primary cell lines of hair follicle outer root sheath cells, keratinocyte, brain tumor cells, prostate cancer cells, osteoblast, and epithelial cells.

Source: https://www.keralauniversity.ac.in/dept/biodata/44011ebf-6c40-5fa8-12aa-000008c0ef08_cv_sreejith.pdf

Dr. B. Manivannan

Chief, Brand Promotion, Vice-President- Plant Operations, Genaxy Scientific Pvt. Ltd, New Delhi, India

Dr. Manivannan is an experienced leader with knowledge of international standards and regulations for the Pharma and Biotech industry (R&D/QA/QC/RA). He has an excellent business development and consultancy skills in Pharma and Biotech industry for process development,

preclinical studies, clinical trials, GMP and GLP management, quality compliances and regulatory submissions and approval.

Source: LinkedIn

Dr. Vir Vikram Sharma

Professor, CT University, Ludhiana, Punjab, India

Dr. Sharma is a well-known academician and administrator, currently serving as the Principal and Professor at CT University in Ludhiana, Punjab, India. He has over 23 years of experience in teaching, research, and administration in the field of pharmacy education. He has completed his Ph.D. in Pharmacy from Baba Farid University, India has published numerous research papers in various national and international journals of repute. His research interests include the development of animal model, and drug metabolism. In addition to his research work, Dr. Sharma has also served in various administrative positions, including serving as the Dean of the faculty of Pharmacy. He is also a member of several academic and research committees, both at the national and international levels. As the Principal of CT University, Dr. Sharma is responsible for the overall academic and administrative functioning of the institution. Under his leadership, CT University has achieved several milestones and has become one of the leading institutions of higher education in the region.

Source: LinkedIn

Dr. Ajay K. Yadav

Professor, Dr. Ambedkar Centre for Biomedical Research, Delhi University, Delhi, India

Dr. Yadav is currently serving as a professor at ACBR, New Delhi, India and started his research career from Industrial toxicology Research center, Lucknow & National Institute of Immunology,

New Delhi and PhD from Jamia Hamdard University, New Delhi in the field of Tumor Necrosis Factor- alpha biology. After finishing PhD, Dr. Ajay Kumar moved to Northwestern University, IL(USA), worked for 3-years where he studied the deregulated expression of Polycomb proteins at the stage of breast cancer metastasis, Glioma genome wide mapping, and identified novel genetic signatures present in a subset of Glioblastoma tumor tissues required for disease malignancy. The current research area is the identification and characterization of novel alternative spliced variant. The goal to study is the involvement of genetic spliced variants with their relative alternative pathway expression at different diseased states.

Source: http://acbrdu.edu/AjayYadav.html

Dr. Vijay Pal Singh

Scientist, CSIR-Institute of Genomics and Integrative Biology (IGIB), New Delhi, India

Dr. Singh works as Veterinarian (Senior Technical Office-III) in CSIR-IGIB and assistant professor in Academy of Scientific and Innovative Research (AcSIR). He is specialist in Lab Animal Science and animal welfare trained at Utrecht University Netherlands and Cambridge University U.K, Adhoc-specialist, International Association for Assessment & Accreditation of Laboratory Animal Care (AAALAC). Ambassador, Systematic Review Centre for Laboratory Animal Experimentation (SYRCLE), Radboud University, Netherlands, and Studied Animal Welfare Ethics and Law from Cambridge University, United Kingdom. Appointed ISAE Country Liaison for India. Dr. Singh has more than a decade of experience in animal welfare. He has played pivotal role in conducting 3 international courses on Laboratory Animal Science as a part for improving the research being done on lab animals in a more ethical and humane way possible. He has 25 indexed research articles in indexed journals along with a vast experience of attending many international courses related to lab animal science and animal welfare.

Source: Source: https://www.applied-ethology.org/Vijay_Pal_Singh1.html

Dr. M. Shahar Yar

Professor, Department of Pharmaceutical Chemistry, Jamia Hamdard, New Delhi, India

Dr. Shahar Yar works as professor in Department of Pharmaceutical Chemistry, Jamia Hamdard, New Delhi, India. He does research in medicinal chemistry and organic chemistry. His research group is working on synthesis, docking and QSAR studies of different benzimidazoles having anticancer activity.

Source: LinkedIn

Dr. Suhel Parvez

Professor, Department of Medical Elementology and Toxicology and Dean, School of Chemical & Life Sciences (SCLS), Jamia Hamdard, New Delhi, India

Dr. Parvez is a Professor in the Department of Toxicology and also Dean SCLS, Jamia Hamdard, New Delhi, India. His main area of research is neurotoxicology. His research group used alternate animal models like *Drosophila melanogaster*, *Caenorhabditis elegans*, and in vitro techniques to study neurodegenerative diseases like Alzheimer, Parkinson, Epilepsy, Huntington's disease, sleep, memory and learning, neurophysiology, neurobiology, NMDA receptor etc. Dr. Parvez is a recipient of prestigious Humboldt fellowship (2017). He has authored and coauthored publications in the international journals of repute.
Source: LinkedIn

Dr. Kausar Mahmood Ansari

Principal Scientist, Food Toxicology Laboratory

Food, Drug and Chemical Toxicology Group
CSIR-Indian Institute of Toxicology Research (IITR), Lucknow, India

Dr. Ansari is a principal scientist at the Food Toxicology section, CSIR-IITR, Lucknow, India. His research expertise includes Cancer Biology and Molecular Toxicology. Presently, his research work embodies the assessment and elucidation of biochemical and molecular mechanisms of toxicity of commonly encountered natural food contaminants, mycotoxins. In addition, research is focused on discovering and evaluating the anticancer activities of small molecules (phytochemicals) and providing a scientific basis (mechanisms) for their effectiveness in controlling carcinogenesis. Of specific importance is the understanding of mechanisms at all levels viz., molecular, cellular and organ levels in both in vitro as well as in vivo systems by using latest techniques. The goal is to develop mechanism-based non-toxic anticancer agents for their potential use in cancer chemoprevention and treatment.

Source: https://iitr.res.in/en/StaffDetail.aspx?id=125

Dr. Sarika Gupta
Scientist, National Institute of Immunology (NII), New Delhi, India

Dr. Sarika Gupta is a Scientist at NII. Her research interests include Bone biology, neurodegenerative diseases, protein misfolding, inhibitor designing, and chronic diseases. Currently, her laboratory is interested in studying the regulatory mechanisms governing altered osteoblast and osteocyte behaviour during HHCY, with focus on identification of transcription factors that control cellular differentiation and adaptation in response to HHCY. By performing siRNA knockdown experiments in osteoblasts in vitro, and identified FOXO1, a redox regulator to have a crucial role in the synthesis of osteoprotegerin, a decoy receptor that blocks untoward osteoclast activation. The long term goal of her research is to provide insight into the pathogenesis of a predominant clinical conditions that affect women in later years – post-menopausal osteoporosis and focus on novel interventional strategies that can open a new vista for therapeutics against this.

Source: https://www.nii.res.in/en/faculty/dr-sarika-gupta

Dr. Sayeed Ahmad

Professor, Department of Pharmacognosy & Phytochemistry & Head Department of Food Technology, Jamia Hamdard, New Delhi, India

Dr. Ahmad is a Professor and head at Jamia Hamdard, New Delhi, India. The thrust areas of research interest include natural product, metabolomics, chromatography, pharmacokinetics, and ethnopharmacology. He has 320 publications to his credit and has granted 2 patents.

Source: www.jamiahamdard.ac.in

Dr. Abul Kalam Najmi

Professor, Department of Pharmacology, Jamia Hamdard, New Delhi, India

Dr. Najmi is a professor at the Department of Pharmacology, Jamia Hamdard, New Delhi, India. His research expertise includes neuropharmacology, cardiovascular pharmacology, and endocrine pharmacology.

Source: https://jamiahamdard.irins.org/profile/285236

Dr. L. Divya

Associate Professor, Department of Zoology, University of Calicut, Kerala, India

Dr. Divya serves the Department of Zoology as associate professor at the University of Calicut. She is working on developmental toxicity/disruptions to environmental /engineered materials in various model systems, endocrine integration of nutrient sensing, metabolism & growth in fishes, Caecilian skin and secretome. The model systems range from Anuran & Apodan amphibians (caecilians, frogs), carps, tilapia, zebra fish, & ants

Source: LinkedIn

Dr. P.R. Anil Kumar

Scientist G & Incharge, Division of Tissue Culture, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Kerala, India

Dr. Kumar has expertise in cell technologies, tissue engineering and three Dimensional (3D) Bioprinting. Currently, studies focus on the development of bioengineered tissues for regenerative medicine as well as for organotypical models. Studies are ongoing in developing 3D in vitro models to bridge the gap between conventional 2D culture and in vivo preclinical experiments. The 3D Bioprinting is an advanced area of tissue engineering that allows fabrication of biological substitutes with precise geometries harboring living cells. Research on

3D bioprinted tissues for in vitro toxicity screening is ongoing. Development of novel tissue specific bioinks is one of the key aspects of 3D bioprinting. Cell sheet technology is relatively new method in tissue engineering where a thermosensitive polymer grafted surface is used for retrieval of cell monolayer or 3D multilayer without any enzyme treatment. Cells sheet engineering using in-house developed method has been reported for the first time in India. Research is ongoing to address cell sheet transfer to large area tissue defects.

Source: https://www.sctimst.ac.in/people/anilkumarpr

Dr. S. Achiraman

Professor, Department of Environmental Biotechnology, Bharathidasan University, Trichy, India

Chemical Ecology, Pheromone biology, Neurobiology, Reproductive Toxicology, Nanotechnology, Obesity, Cancer Biology. Currently, his team is intent to use metagenomic approaches of gut/faecal microbiota to detect the reproductive status. Recent research deals with the interference of endocrine-disrupting chemicals (EDCs) with human metabolism and hormonal balance, contributing to pollutant induced metabolic syndrome such as obesity, PCOD and diabetes. In addition, we also focus on endocrine modulating role of pheromones/allelochemicals in alleviating the toxic effects of pollutants (Endocrine disruptors) in rodent and fish mode using plant-based products and nanotechnology.
Source: https://www.bdu.ac.in/schools/environmental-sciences/environmental-biotechnology/docs/faculty/dr-s-achiraman.pdf

Source: https://www.res.cmb.ac.lk/medicine/mangala-gunatilake/

Dr. Parveen Bansal

Joint Director, Baba Farid University of Health Sciences, Faridkot, India

Dr. Bansal is a joint director at Baba Farid University of Health Sciences. He has a work experience of 20 years at various positions including Assistant Director, Department of AYUSH, Ministry of Health & Family Welfare, Govt of India, Founder Director Incharge of National Institute of Ayurvedic Pharmaceutical Research (NIAPR), Patiala and Faculty at PGIMER, Chandigarh etc. He represented India as Member 23rd Indian Scientific Expedition to Antarctica. His scientific contributions are in the field of enzymology, quality control, chromatography, isolation & identification of chemical markers, standardization of herbal drugs.

Source: https://www.researchgate.net/profile/Parveen-Bansal

Dr. Megha K.B.

Young scientist I (DST-SYST), Toxicology Division, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, India

Dr. Megha K B, Post Doctoral Fellow at Division of Toxicology, Biomedical Technology, Sree Chitra Tirunal Institute for Medical Sciences and Technology has awarded the Gold Medal for her presentation and research work entitled 'Development of ELISA kit for animal Pyrogen test' at the 5th Annual Conference of Society for Alternatives to Animal Experiments – India (SAAE-India 2022), held at CLIF, Karyavattom Campus, University of Kerala, during 8-9 December 2022.

Source: https://www.sctimst.ac.in/Achievements/?id=NTRfMTcxMDg0NTI5Mg==

Dr. S.K. Rath

Chief Scientist, Division of Toxicology & Experimental Medicine, CSIR-Central Drug Research Institute, Lucknow

Dr. Rath is currently holding the Chief Scientist position at CSIR-CDRI, Lucknow. He was awarded the prestigious Raman Research Fellow during 2007-2008 at Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland, USA. He was also deputed as Toxicologist to Centre for Safety Assessment for food and feed, Newark, USA in 2014 Supported by DBT. Also served as scientist In charge Academic Unit CDRI January 2013 to 2015 August Coordinator of AcSIR CDRI Unit January 2013 to 2015 August. The research focus of his team is to check and evaluate the drug induced mutations at nuclear, chromosomal and at DNA level. Simultaneously they study several types of toxicity and the pathways that are affected by the toxicants in in vitro and rodent models. At the same time they are studying the association of SNPs with different types of cancers especially breast cancers and head and neck cancers in several Indian sub populations. The laboratory is also involved in delineating detailed molecular mechanism of candidate drugs and NCEs in different target organs using new models and biomarkers.

Source: https://www.cdri.res.in/1478.aspx?id=1478

Dr. Alok Kumar Pandey

Scientist, Nanomaterial Toxicology Group
CSIR-Indian Institute of Toxicology Research, Lucknow

Dr. Pandey is a scientist at the Indian Institute of Toxicology Research, Lucknow. Previously he also served as a visiting Research Associate, at the Civil and Environmental Engineering Department, Michigan State University (2006- 2008). His research is focused on nanomaterial toxicology in vitro and in vivo models using different cytogenetic techniques as well as cell cycle and apoptosis, biochemical and genetic toxicology, and molecular epidemiology. Also working on the development, validation and establishment of biomarkers of DNA damage, which could be used for studying exposure and its effect in human population.

Source: https://iitr.res.in/Admin/Upload/e3deeb2b-56e9-4e1c-852f-8c4083b1b220.pdf

Dr. Rizwanul Haque

Professor, Department of Biotechnology, Central University of South Bihar, Gaya, India

Dr. Haque is a professor in Department of Biotechnology, Central University of South Bihar, Gaya, India. His research interests include stem cell biology & immunology. He has more than 20 years of research and teaching experience.
Source:
https://www.cusb.ac.in/index.php?option=com_content&view=article&id=192&Itemid=304

Dr. Ankita Pandey

Scientist, PeTA, India

Dr. Ankita is a scientist and a science policy advisor. She is passionate about advancing modern humane science and animal welfare. Her expertise includes Regulatory toxicology, NAMs, animal free testing of agrochemicals and industrial chemicals. She is also advocate of 3Rs.

Source: LinkedIn

Dr. Padmshree Mudgal

Professor, Daulat Ram College, University of Delhi, Delhi, India

Dr. Padmshree Mudgal is a Professor at Daulat Ram College, University of Delhi, Delhi, India. Her research interests include Developmental Biology, Biochemistry, Toxicology. She has expertise in behavioral and regeneration studies in zebrafish larvae.

Source: https://www.dr.du.ac.in/images/biochem/faculty/PADMSHREE%20.pdf

Dr. Swarna Dabral

Assistant Professor, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, India

Dr. Swarna Dabral is Assistant Professor and a dedicated pharmacologist at Maharishi Markandeshwar (Deemed to be University), Ambala, India. She has harnessed alternative models and cutting-edge bioinformatics techniques to shape her research and drive innovation in the field. Her passion lies in drug repurposing, a frontier that offers new possibilities for improving human health while reducing our reliance on animal experiments. Dr. Dabral also deeply engaged in exploring bioinformatics tools as a synergistic tool to accelerate biomedical research.

Source: LinkedIn

Dr. C.R. Patil

Professor and Head at Department of Pharmacology, RC Patel Institute of Pharmaceutical Education & Research, India

Dr. Patil is Professor and Head at Department of Pharmacology, RC Patel Institute of Pharmaceutical Education & Research, India. His research areas include Pharmacy, Medicine, Pharmacology. He has vast expertise in pharmacology in Vivo models, nephrotoxicity animal experiments, and signaling pathways.

Source: https://www.rcpatelpharmacy.co.in/pharmacology-faculty-profile