

1 - 3  
June  
2020



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)



# Indo-UK Virtual Conference

## 'Current Innovations and the Future of Therapeutic Developments (CIFTD-2020)'

Special event on June 2, Time: 2.00 to 4.00 PM

A brain-storming panel discussion on

'Challenges and Management of COVID-19'

Heads of reputed institutions, eminent scientists, clinicians, and policy makers are joining live for this panel discussion

Free  
Registration



Centre for Biomaterials, Cellular & Molecular Theranostics (CBCMT). VIT, Vellore, India



Swansea University  
Prifysgol Abertawe

Swansea University,  
Swansea  
United Kingdom

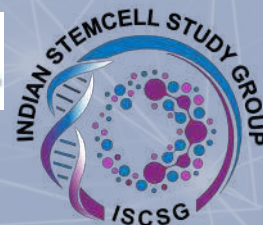


National Institute of  
Pharmaceutical Education &  
Research (NIPER), Kolkata, India

In collaboration with

SCHRÖDINGER.

Schrödinger Inc,  
Bengaluru, India



## ABOUT THE CONFERENCE

The nationwide COVID-19 lockdown has forced schools, colleges and universities to shut down. In these unprecedented times, to continue teaching learning process, Vellore Institute of Technology (VIT) is offering a fantastic opportunity for e-learning through this International conference.

VIT, Vellore, Tamil Nadu, INDIA and Swansea University, UK, proudly announce Indo-UK Virtual Conference on 'Current Innovations and the Future of Therapeutic Developments' to be held on June 01-03, 2020 through Zoom platform. This conference will host leading scientists from the academia and industry worldwide who will deliver their talk on cutting edge advances in various disciplines on drug discovery, development of new medications and therapies. The focus of the conference will be on the interdisciplinary approaches at the interface of engineering and diagnostics, chemistry, drug development, cell biology and translational medicine. The conference aims to provide many interesting perspectives on how science and technology of drug discovery and drug therapy are changing rapidly, thereby providing new opportunities to scientists and clinicians.

A brain-storming panel discussion on 'In search of coronavirus treatments – the opportunities and challenges in India' is an important component of this virtual conference. Heads of reputed institutions, eminent scientists, clinicians, and policy makers will address key questions such as, How India is dealing with the coronavirus outbreak? What are the challenges in finding a cure for coronavirus? What are the hurdles in bringing a drug for viral diseases? How India can play a major role in a Covid-19 vaccine developments?

During the three days, the participants will have the opportunity to learn about the latest research trends in pharmaceutical drug discovery and development.

An opportunity will be given to 10 Ph.D students to share their research outcome through oral presentation. Prizes for the best talks and e-posters will be presented based on the reviewers' evaluation. It is anticipated that at least 1500-2000 participants from various parts of India will be joining in this meeting. This webinar series targets B.Tech/M.Tech, masters, PhD research scholars, and early career researchers from chemistry, pharmaceutical, biomedical, life sciences, and nanotechnology disciplines.

## ABOUT VIT

Vellore Institute of Technology (VIT), recognized as one of the Institution of Eminence (IoE) in 2019 by Government of India, was founded as Vellore Engineering College in 1984 by the Chancellor Dr. G. Vishwanathan. VIT was awarded 1<sup>st</sup> position among private institutions in India for Innovation (ARIIA 2019 Award) by Govt. of India, as recognition for its excellence in nurturing research innovations and entrepreneurship in young minds. VIT, known for its academic excellence, attracts students from all the 29 states of India and more than 41 different countries. Currently, VIT has 4 campuses – in Vellore, Chennai, Amaravati (AP) and Bhopal (MP).

VIT achieved 18<sup>th</sup> position among the engineering institutions in India by NIRF 2019, Govt. of India. VIT received 4 STAR rating in QS ranking, making it, the first institution in India to have this credential. In addition to this, the consortium of industries, FICCI conferred VIT with the "Excellence in Faculty" award. VIT was ranked number one ahead of other premier Indian universities for its number of publications in SCOPUS Indexed Research Journals for the year 2019. VIT has consistently received "A" grade in the past three cycles of NAAC accreditation. In addition, VIT also has received the coveted ABET accreditation, which is widely recognized throughout the world. VIT, which is consistently placed among the best institutions of the country, aspires to become one of the best universities in the world.

## ORGANIZING COMMITTEE

### Chief Patron

Dr. G. Viswanathan  
Founder & Chancellor, VIT

### Patrons

Mr. Sankar Viswanathan, Vice president  
Dr. Sekar Viswanathan, Vice President  
Mr. G. V. Selvam, Vice President  
Ms. Kadhambari S. Viswanathan, Assistant Vice President  
Dr. Sandhya Pentareddy, Executive Director  
Dr. Anand A Samuel, Vice Chancellor  
Dr. S. Narayanan, Pro-Vice Chancellor  
Dr. K. Sathiyarayanan, Registrar

### Conference Chair

Dr. Geetha Manivasagam  
Director, CBCMT, VIT, Vellore  
Prof. Venkat Kanamarlapudi  
Swansea University Medical School, UK

### Conveners

Dr. Loganathan Rangasamy  
CBCMT, VIT, Vellore  
Dr. Sudhagar Pitchaimuthu,  
Swansea University, United Kingdom

### Organizing Team Members

Dr. Arunai Nambi Raj N  
Dr. Mohan Varma Damu Seshadri  
Dr. Amit Kumar Jaiswal  
Dr. Arunkumar Palaniappan  
Dr. Sunita Nayak  
Dr. Murugan Ramalingam  
Dr. Satyaprakash Ahirwar  
Dr. Raunak Kumar Das  
Dr. Suya Prm Anand P  
Research Scholars, CBCMT, VIT

## ABOUT CBCMT

Centre for Biomaterials, Cellular and Molecular Theranostics (CBCMT) was established in the year 2016 under the able leadership of Prof. Geetha Manivasagam and is an integral part of VIT. This interdisciplinary research center works on cutting edge science at the interface of physical, biological, chemical and engineering sciences. The research team comprise of material scientists, metallurgists, physicists, electrical engineers, bioengineers, chemists, biologists and clinicians, who work together to address the unmet needs in the areas of biomaterials, cellular and molecular theranostics. Some of the key focus areas include bone tissue engineering, biocorrosion and biomechanics, cardiac tissue engineering, corneal tissue regeneration, drug discovery and delivery, quantum dots for theranostics, sensors for microbial detection and implant health monitoring, and stem cell delivery. CBCMT is equipped with high-end instruments to carry out experiments ranging from materials synthesis, material processing, characterizations as well as advanced tissue culture facilities. The recent addition to this center, HOME (Human Organ Manufacturing and Engineering) Lab is an advanced 3D bioprinting facility equipped with two high-end Cellink BioX bioprinters as well as few basic bioprinters. With this addition, center is better positioned to fabricate 3D organoids and tissue mimics, which will be also be one of the key focus areas in coming years. It is equipped with high ender characterization instruments such as confocal microscope, cell culture lab, qPCr, Tribocorrosion tester, fretting wear tester, scratch tester, environmental controlled furnaces, alloy coatings, plasma treatment setup, and electrophoretic deposition unit. The ongoing projects of the center are funded by both national and international funding agencies. The center also has a strong research collaboration with scientists from leading research laboratories within India as well as across the globe.

## Who can attend

UG/PG students, PhD research scholars, and early career researchers from chemistry, pharmaceutical, biomedical, life sciences, and nanotechnology disciplines, faculty members, scientist from R&D institutes, and industry researchers

### Oral presentation/e-Poster presentation from Research scholars

Abstracts for oral presentation or e-Posters related to the thematic areas of the Conference are invited. Best oral and e-poster presentations will be selected by a panel of judges and will be awarded

### Oral presentation:

- ❖ Abstracts must be submitted to oral presentation.
- ❖ Abstract will be considered from registered participants only.
- ❖ Abstract submission ends on **May 28, 2020**
- ❖ There will be a selection committee to review the abstracts based on its scientific merit for oral presentations. 10 best abstracts will be selected for oral presentations.
- ❖ The acceptance of abstract for Oral presentations will be intimated to the delegate on **May 30, 2020**.
- ❖ Students/Research Fellows participating for the Oral Presentation will be given 8 minutes for the presentation and 2 minutes for the discussion.
- ❖ Oral presentation date: **June 3, 2020**

### Poster Presentation Guidelines

Abstracts for e-poster presentation and e-Posters must be submitted on or before **May 30, 2020**.

### Registration and abstract submission:

All participants are requested to fill <https://forms.gle/4JX9KwEeu5oVU1fu6> on or before **May 30, 2020**. Use same link for abstract and poster submission.

Details regarding link to the webinar and password will be communicated to the registered email address by 31st May 2020

### e-Certificates

Participation certificate will be given to registered participants only who attend a minimum of 8 session.

### Dates to remember:

**Last date for Registration: 30 May 2020**

**Last date to submit abstract for oral presentation: 28th May 2020**

**Last date to submit abstract for poster presentation and E-Posters: May 30, 2020**

## Address for correspondence

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or visit [www.vit.ac.in](http://www.vit.ac.in)

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## OUR SPEAKERS



Prof. Philip S. Low  
Purdue University  
Indiana, USA



Prof. Gareth Jenkins  
Swansea University, UK



Dr. Ganesh Pandian Namasivayam  
Kyoto University, Japan



Prof. Gilles Gasser  
PSL University, Paris



Dr (Lt Col) Pawan Kumar Gupta,  
Stempeutics Research Pvt. Ltd.  
Bangalore, India



Prof. Manish Khanna MS (Ortho)  
President, Indian Stem Cell Study  
Group Association, Lucknow



Dr. Andrea L. Kasinski  
Purdue University, Indiana, USA



Dr V. R. Ravi MS (Ortho)  
Mothercell Regenerative Centre  
Tiruchirappalli, TN, India



Prof. Venkat Kanamarlapudi  
Swansea University Medical School  
Swansea, UK



Dr. Pritesh Bhat  
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Prof. Thomas J. Webster,  
Northeastern University,  
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Dr. Mahalingam S. M.  
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Technology, Chennai, TN, India



Dr. Anitha Devadoss  
Swansea University, UK



Dr. Jagathesh C.B. Rajendran,  
Masonic Medical Research  
Institute, Utica, New York.



Dr. Sumit Kumar  
Ulsan National Institute of Science  
and Technology  
Ulsan, Republic of Korea

## Themes

- ❖ Pharmaceutical Research & Development
- ❖ Translational Medicine
- ❖ Regenerative Medicine
- ❖ Immunotherapy
- ❖ Biomaterials
- ❖ Biosensors
- ❖ Tissue Engineering
- ❖ Nanotechnology
- ❖ AI in Drug Discovery
- ❖ In-silico Drug Design and in-silico screening
- ❖ Medical Imaging
- ❖ Hot Topics in Medicinal Chemistry
- ❖ Drug Delivery & Targeting
- ❖ Academic CRO/Industrial collaborations in drug discovery

## A brain-storming panel discussion on 'Challenges and Management of COVID-19'

Moderator :

Dr. Murugan Veerapandian  
Central Electrochemical  
Research Institute,  
Karaikudi, TN, India.



## Panelists



Dr. V. Ravichandiran  
Director, NIPER  
Kolkata, India



Prof. Dr. M. Krishnan  
Honourable Vice-Chancellor  
Madurai Kamaraj University  
Madurai, TN, India



Dr. Taslimarif Saiyed  
CEO and Director (C-CAMP)  
Bangalore, Karnataka, India



Dr. Ganesh Pandian Namasivayam  
Associate Professor  
Kyoto University, Japan



Prof. Venkat Kanamarlapudi  
Professor  
Swansea University, UK



Dr. Swaminathan Sethu  
Narayana Nethralaya  
Karnataka, India.