

PRIME Summit

Progress in Regenerative & Investigational Medicine in Eye

December 8 – 10, 2023 | Bangalore, India

Organized by: GROW Research Laboratory | Narayana Netralaya Foundation | Narayana Nethralaya

Dear Sir/Madam

We are pleased to announce that the GROW Research Laboratory, Narayana Netralaya Foundation is organizing **the Progress in Regenerative and Investigational Medicine in Eye (PRIME) meeting from 8th to 10th of December 2023**. This is an important gathering for vision scientists, students and ophthalmologists to share the latest research findings, teach and collaborate.

The theme of the PRIME conference is regenerative medicine and the breadth will include all technologies that assist in better treatment and diagnostic stratification of patients with ocular diseases. Regenerative technologies consist of targeted modulation of critical cellular pathways, including techniques for correcting pathogenic effects of altered cell signaling pathways and defective genes which cause a variety of inherited and acquired illnesses. Due to the high birth rate and consanguinity, there is a high prevalence of genetic eye disorders in India necessitating development of genetic and cellular therapies. Large proportions of middle and senior age populace are affected by various ocular diseases due to dysregulated immune response and metabolism necessitating novel regenerative therapeutic approaches. The PRIME meeting will therefore aim to bring together scientists and ophthalmologists in India and around the world to inform and discuss the latest biology, translational approaches and breakthroughs under the guidance of eminent leaders of the field. **This meeting will provide opportunities for students and clinical fellows to learn more about Gene Therapy and Translational Ocular Immunology as part of the workshops.** We will have dedicated discussion forums on critical aspects such as manufacturing guidelines, patient selection, ethical considerations, etc., relevant to development to gene therapy in India. Additionally, we will also be celebrating the 10th year of the research arm GROW research laboratory, of Narayana Netralaya.

We extend a warm invitation for you to participate, learn and disseminate knowledge at PRIME Summit. We hope you will display the flyer for this meeting at your department and encourage your colleagues and students to participate as well.

Thanking You

Dr. Arkasubhra Ghosh
Organizing Secretary

Dr (Maj). Narendra P
Co- Organizing Secretary

Sessions & Themes

Friday, Dec 8, 2023 | GROW Research Laboratory, Narayana Nethralaya, Bommasandra, Hosur Road, Bangalore

Workshops

The workshop will be divided into following segments:

Gene therapy

- Vector design considerations
- Selection of delivery vehicles
- Vector production technologies
- GMP upstream and downstream processes
- CMC considerations.

Translational Ocular Immunology

- Ocular fluids/samples collection and storage
- Multiplex ELISA in ocular samples
- Immunophenotyping in ocular samples
- ELISPOT
- High-dimensional analysis
- Live demo

Saturday & Sunday, Dec 9 – 10, 2023 | The Oterra Hotel, Electronic city, Phase 1, Bangalore

Talks

- Cell biology of eye diseases and translation
- Immune responses in eye diseases
- Advances in Gene and Cell Therapies

Panel discussion

(with experts from academia, hospitals, industry and clinical regulations)

- Translational road map for regenerative medicine in India
- Identifying clinical problems and organizing research strategies relevant to India
- Initiating and sustaining research career in India

Confirmed participants

Speakers and participants will be joining from multiple universities in USA, Europe, United Kingdom, Australia and Singapore. In addition, senior and young researchers from premier institutes in India including LVPEI, AMRF, Sankara Nethralaya, AIIMS, IGIB, IISc, VIT and many more will be speaking and participating at PRIME. We expect many of the biotechnology industry leaders and federal agencies to join the various discussions and brainstorming sessions.

Chief Patrons

Dr. Rohit Shetty
Dr. Naren Shetty
Prof. Shomi S. Bhattacharya

Organising team

Dr. Arkasubhra Ghosh
Dr. Narendra P
Dr. G. Kumaramanickavel
Dr. Abhijit Sinha-Roy
Dr. Gagan Dudeja
Dr. Anuprita Ghosh
Dr. Nallathambi Jeyabalan
Dr. Swaminathan Sethu