

# POPULAR PUBLIC LECTURE SERIES ON 'MOLECULAR AND TRANSLATIONAL MEDICINE' AND 'MOLECULAR BIOLOGY AND BIOTECHNOLOGY'

6<sup>TH</sup> NOVEMBER, 2014

Central Research Station, Netaji Subhash Chandra Bose Subharti Medical College, Swami Vivekanand Subharti University, Meerut organized the 'Popular Public Lecture Series' on 'Molecular and Translational Medicine' and 'Molecular Biology and Biotechnology' on 6<sup>th</sup> November, 2014. This event was a grand success with the participation of ~ 350 candidates from Subharti University and other institutions from various places. The participants were inspired by **Padma Bhushan Prof. G. P. Talwar** (Director Research, Talwar Research Foundation, New Delhi and Founder Director, National Institute of Immunology, New Delhi), **Prof. Paolo Bernardi** (Director, Postgraduate School of Clinical Pathology, University of Padova, Padova, Italy) **Prof. Krishnamoorthy Kannan** (Guru Govind Singh Indraprastha University, New Delhi and Ex-Vice Chancellor of Nagaland Central University) with their excellent thoughts and lectures. **Padma Bhushan Prof. G. P. Talwar** delivered his inaugural lecture entitled '**End to end Mission oriented research leading to a Product of utility**' in the session of 'Molecular and Translational Medicine'. In his lecture, he has taken an example of molecular and cellular basis of research related to immunotherapeutic vaccine for leprosy. He described how he started the basic research on leprosy and lead it to vaccine development. The vaccine developed by him also shows efficacy as an immunotherapeutic adjunct to chemotherapy in tuberculosis and cancers. This leprosy vaccine was approved by the DCGI India and US FDA and marketed as Immuvac by M/s Cadilla Pharma. The second plenary lecture in this session was delivered by **Prof. Paolo Bernardi**. He delivered his talk on the '**Mitochondria as Therapeutic Targets in Muscular Dystrophy: From Pathogenesis to Drug Development**'. In his talk, he explained how mitochondrial dysfunction mediated by the permeability transition pore (PTP) unexpectedly causes muscular dystrophy in collagen VI deficiency. He also showed *in vivo* models of zebra fish, and demonstrated how early mitochondrial adaptation plays a key role in hepatocarcinogenesis. From his findings, he also highlighted some novel classes of PTP inhibitors that hold great promise for the treatment of PTP-dependent diseases e.g. muscular dystrophy. In the 'Molecular Biology and Biotechnology' session, **Prof. Krishnamoorthy Kannan** delivered his lecture entitled '**Nobel Prizes and their impact on Science, Technology and Society**'. He started his talk with the science behind the Nobel Prizes given this year in Medicine and Physiology and Chemistry. He took us the journey of Nobel prizes and discussed their impact on technology and society. He also shared with us about his experiences on the PPP - passion, perseverance and patience

of the Nobel laureates. All the three distinguished speakers emphasized to improve the efficiency and effectiveness of research and bring it from benches to clinics as translational products.

The Popular Public Lecture Series was started with the blessings of Goddess Saraswati by lighting the lamp. The invited dignitaries were felicitated by presenting bouquets and shawls by Prof. Manzoor Ahmed, Vice Chancellor, Swami Vivekanand Subharti University, Meerut; Prof. A. K. Asthana, Principal & Dean, Subharti Medical College; and Dr. Sanjay Kumar, Organizing Secretary and Head, Central Research Station. Prof. A. K. Asthana, Principal & Dean of Subharti Medical College delivered the welcome address. Vice Chancellor, Prof. Manzoor Ahmed addressed his views on the current scenario of research. Dr. Sanjay Kumar introduced about the 'Popular Public Lecture Series' and strengthen on the demands of an expanding knowledge related to the molecular pathogenesis of human disease and an increasing identification of the practical implications for improved diagnostics and treatment in this new era of molecular medicine. He also said that the tools of molecular biotechnology can be applied to develop and improve drugs, vaccines, therapies, and diagnostic tests that will improve human and animal health. The completion of the human genome project has opened a myriad of opportunities to create new medicines and treatments, as well as approaches to improve existing medicines. The ultimate goal of the lecture series is to widen research knowledge related to the development of new treatments and insights towards the improvement of health across populations.

The lecture series ended with the concluding remarks and Vote of Thanks by Dr. Sanjay Kumar to guest speakers for their informative talks and also to the participants, Scientists, doctors, teachers & students who participated in this Popular Public Lecture Series. Dr. Seema Negi, Research Officer, Central Research Station anchored the whole sessions of the Popular Public Lecture Series. The event was also graced with the presence of the Deans, Directors, Heads of various departments, senior faculty members of Swami Vivekanand Subharti University including Prof. Rajesh Misra (Physiology), Prof. Gautam Sarkar (Biochemistry), Prof. Prem Prakash Khosla (Pharmacology), Prof. Rahul Bansal (Community Medicine), Prof. Satayam Khare (Anatomy), Prof. Anjali Khare (Pathology), Prof. Ashok Srivastava (Forensic Medicine), Prof. S. K. Virmani (General Medicine), Prof. V. P. Singh (Anesthesia), Prof. D. K. Giri (Education), Prof. Rita Bakshi, Prof. Surbhi Gupta, Prof. Shilpi, Prof. Kiran Singh, Prof. Suryakant, Prof. B.K. Gupta, Prof. Vijay Bharat, etc.



**Guest Speakers moving towards Council Hall, Subharti Medical College**



**Participants registering for Lecture Series at Registration counter**



**Dr. Seema Negi, Research Officer, Central Research Station anchoring the Lecture Series**



**Prof. G. P. Talwar lighting the lamp for Blessings of Goddess Saraswati**



**Prof. Paolo Bernardi lighting the lamp for Blessings of Goddess Saraswati**



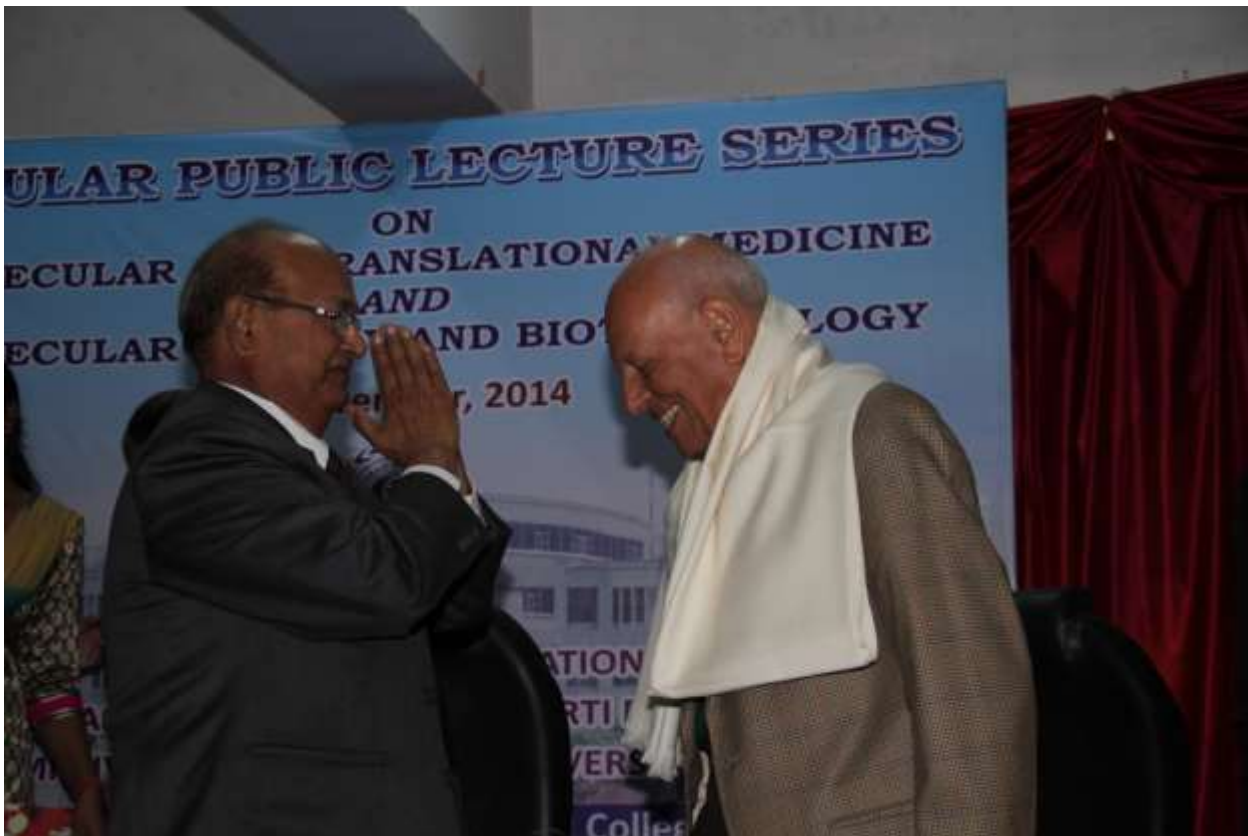
**Prof. K. Kannan lighting the lamp for Blessings of Goddess Saraswati**



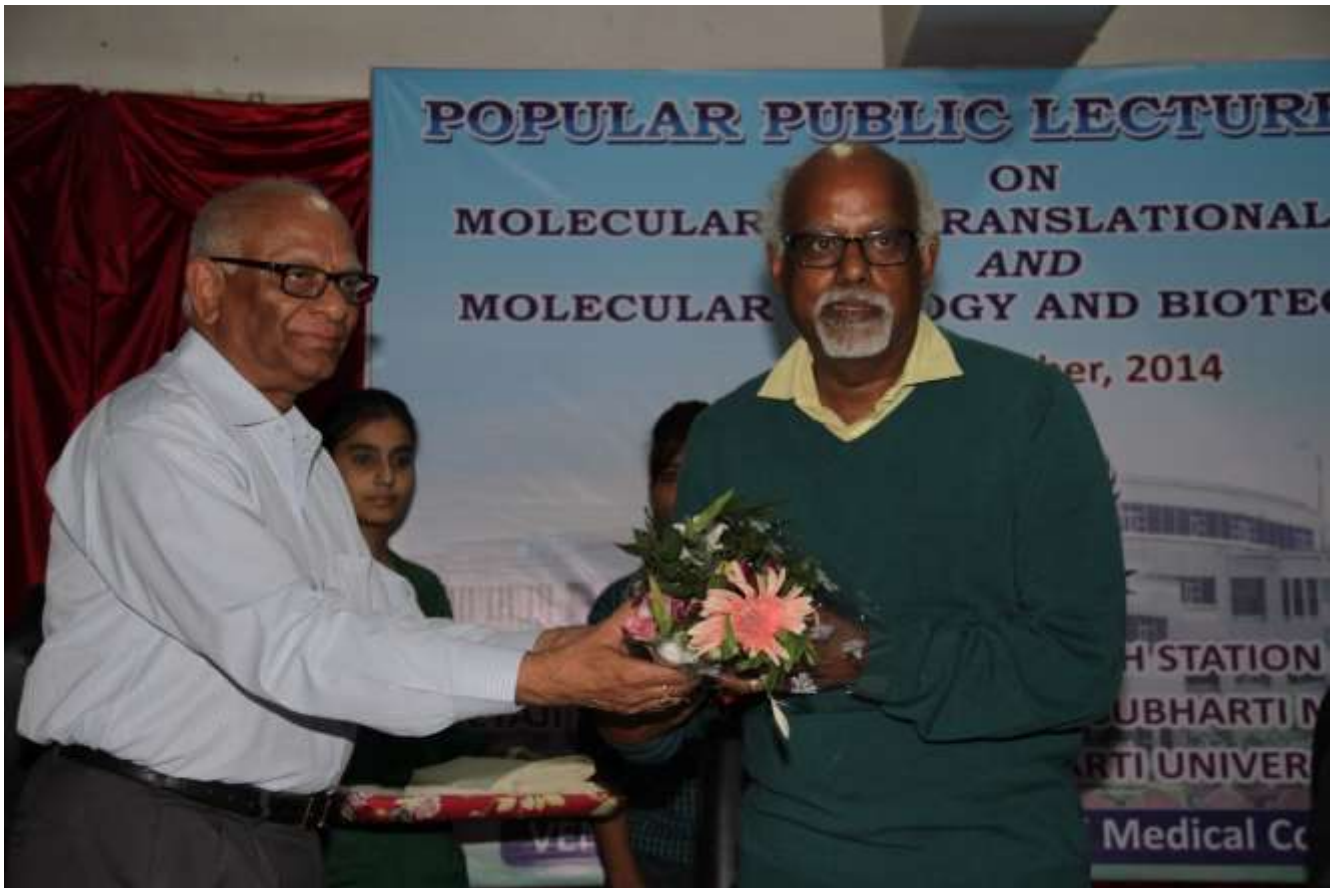
**Vice Chancellor Prof. Manzoor Ahmed lighting the lamp for Blessings of Goddess Saraswati**



**Dr. Sanjay Kumar lighting the lamp for Blessings of Goddess Saraswati**



**Prof. Manzoor Ahmed, Vice Chancellor, Swami Vivekanand Subharti University felicitating to Prof. G. P. Talwar**



**Prof. A. K. Asthana, Principal & Dean, Subharti Medical College felicitating to Prof. K. Kannan**





**Dr. Sanjay Kumar, Senior Research Officer and Head, Central Research Station felicitating to Prof. Polao Bernardi**



**Welcome Address by Prof. A. K. Asthana, Principal & Dean, Subharti Medical College**



**Address by Prof. Manzoor Ahmed, Vice Chancellor, Swami Vivekanand Subharti University**



**Dr. Sanjay Kumar introducing the Popular Public Lecture Series**



**Inaugural Lecture by Prof. G. P. Talwar in the session of Molecular and Translational Medicine**



**Inaugural Lecture by Prof. G. P. Talwar in the session of Molecular and Translational Medicine**



**A section of the audience during the Lectures**



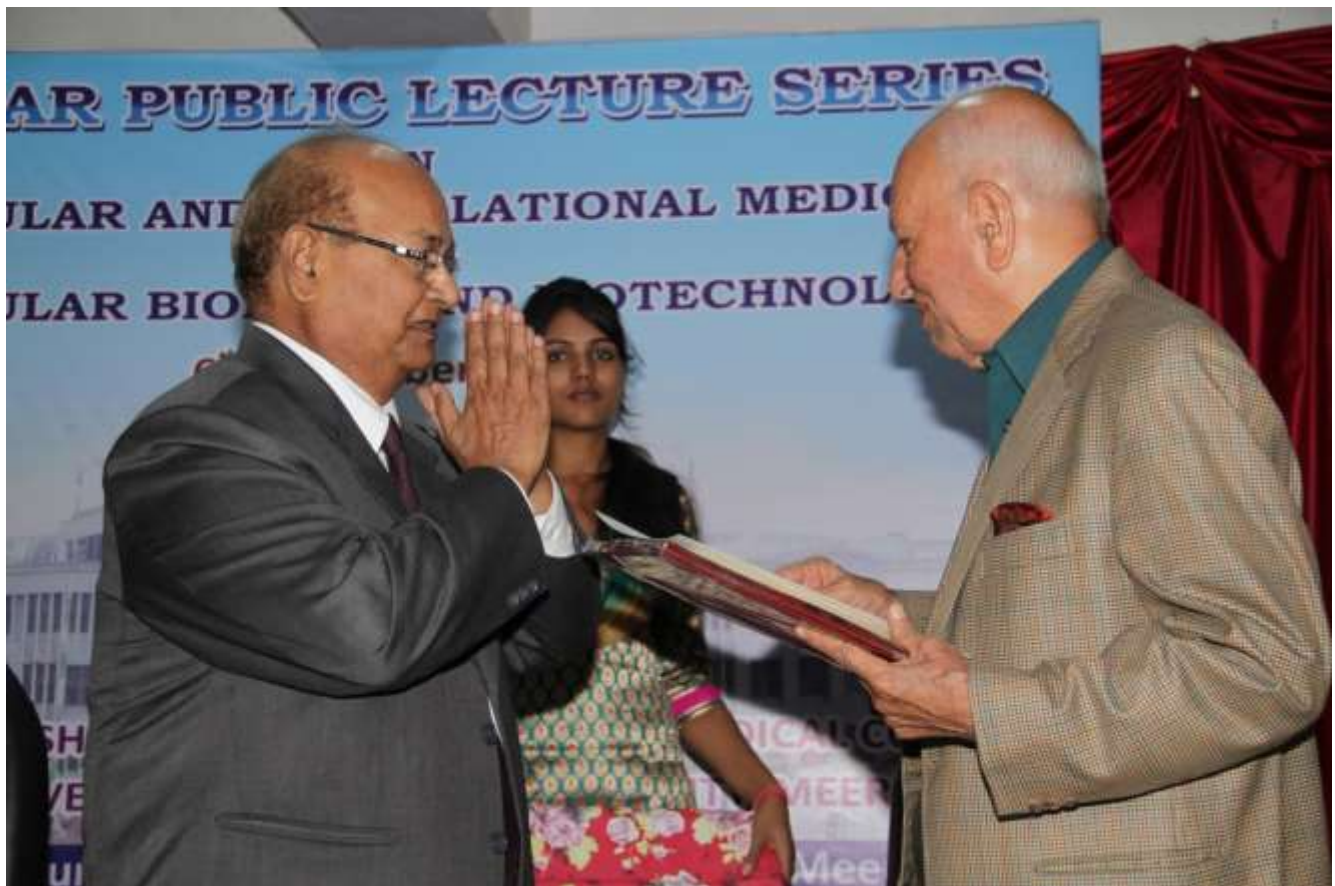
**Sections of the audience during the Lectures**





**Sections of the audience during the Lectures**





**Vice Chancellor Prof. Manzoor Ahmed presenting a Memento and certificate to Prof. G. P. Talwar as token of Appreciation and Memory**



**Prof. Paolo Bernardi delivering his lecture**

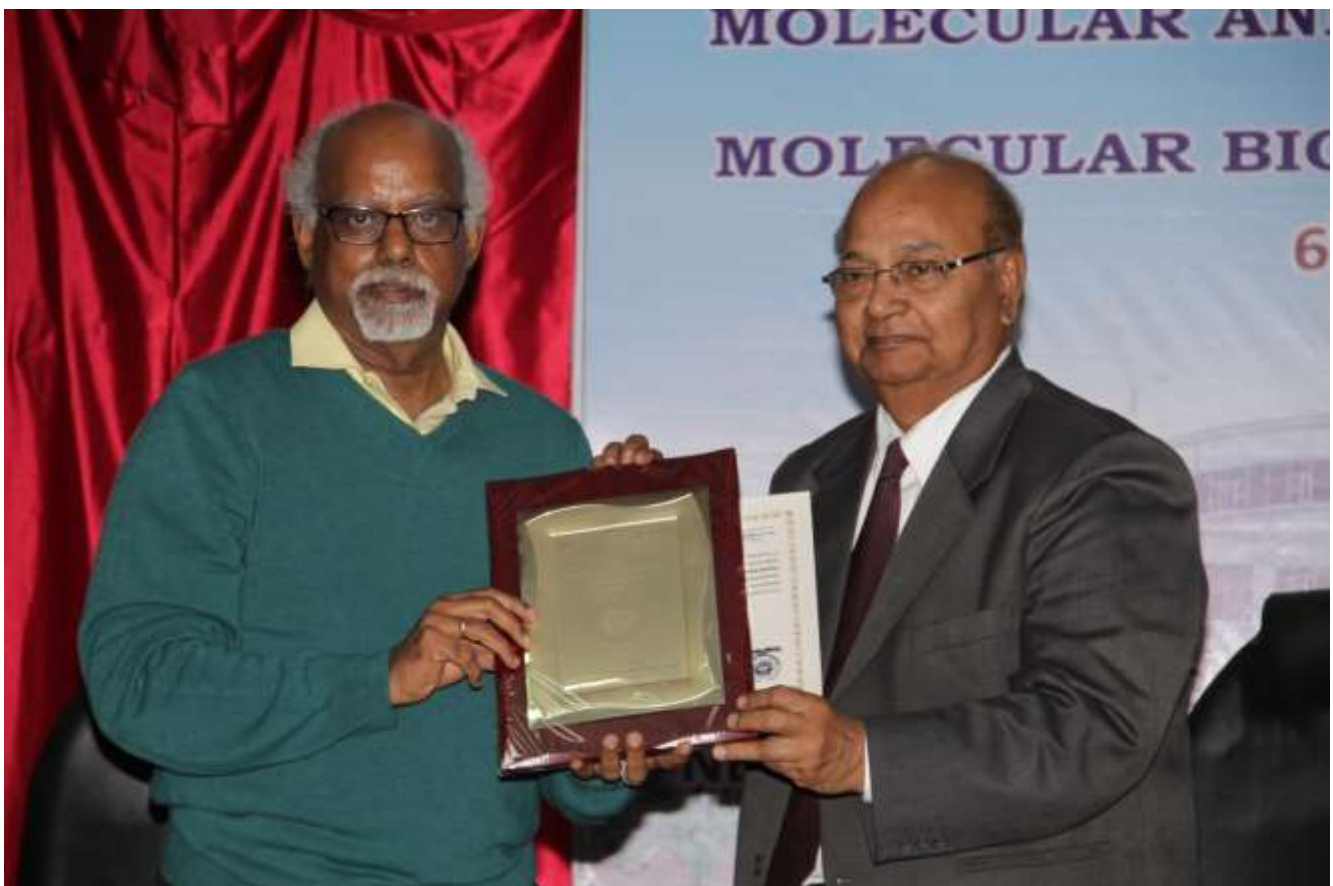


**Prof. Gautam Sarkar (Head, Department of Biochemistry) presenting a Memento and certificate as Token of Appreciation and Memory to Prof. Bernardi**





**Prof. K. Kannan delivering his lecture**



**Vice Chancellor Prof. Manzoor Ahmed presenting a Memento and certificate as Token of Appreciation and Memory to Prof. K. Kannan**



**Some Melodious instants (Precious moments)**



**Some thoughtful moments**



**Dr. Sanjay Kumar purposing the concluding remarks and Vote of Thanks**



**Post Lecture Photographic sessions (Partial Group Photograph)**



**Post Lecture Photographic sessions (Partial Group Photograph)**



**Post Lecture Photographic sessions (Partial Group Photograph)**



**Tea Time**



Tea Time

**Happy Ending with New Ideas, Hopes, Enthusiasms and  
Excitements for the forthcoming Lectures in this Lecture Series**