

REPORT ON INTERNATIONAL SEMINAR ON

“New Drug Discovery, Development and FDA Approval: Current Global Trends and Prospects for India”

Date: 27th December, 2023

Hosted by - Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyd.

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, (Sponsored by The Exhibition Society) in Association with Indian Pharmaceutical Association, TS –branch has organized an international seminar on the topic “**New Drug Discovery, Development and FDA Approval: Current Global Trends and Prospects for India**” on 27th December 2023, 2.00 pm. The Principal Speaker for the seminar was Dr. D. Samba Reddy, Professor and Director, Texas A&M University School of Medicine, USA.

The programme has started at 2.15 pm. by Ms. Sai Sree and Shravani of B. Pharmacy 4th year. The event has started by inviting the Dignitaries onto the Dias with Floral greetings.

1. **Dr. B. Prabha Shankar** Garu, President, IPA Telangana state Branch, Chairman, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya.
2. **Dr. A.V. Srikanth** IPA Member, Vice chairman, SNVPMV.
3. **Dr. A. Ramakishan** Deputy Drug Controller CDSCO (Guest of Honor)
4. **Dr. D. Samba Reddy** (Chief Guest) Professor & Director, Texas A&M university who has come all the way from USA.
5. **Sri Ramdan**, Joint Drugs Controller TS
6. **Dr. K Ramprasad Reddy** Secretary, IPA-TS Branch.
7. **Sri Amrut Rao** Ex Joint Drugs Controller
8. **Dr. Solomon Sunder Raj** Professor & Principal at Netaji Institute of Pharmaceutical Sciences.
9. **Dr. Vijaya Kuchana** Principal at Teegala Krishna Reddy College of Pharmacy.
10. **Dr. B. Madhava Reddy** Treasurer, IPA TS, Principal at G. Pulla Reddy College of Pharmacy.

The program is then followed by lighting of lamp by all the guests and a prayer song by Naveena and team of B Pharmacy.

Later, Dr. B. Prabha Shankar Garu addressed the session and cordially welcomed the speaker of the seminar.

Sir, thanked the speaker for accepting the invitation of delivering a seminar on his research work which has led to the development of two new brain medicines. Later, Dr. A. Ramakishan Deputy Drug Controller CDSCO, greeted the gathering and spoke about the importance of New

Drug Development, Clinical Trial Process and the importance of ANDA.

Dr. D. Samba Reddy, is a proud alumnus of Kakatiya University who is leading a very good research team in A&M University School of Medicine, Texas, all the dignitaries congratulated Dr. D.Samba Reddy, for his discovery of two new brain medicine. His research work has led to the development of two new brain medicines- The First Postpartum depression drug- BREXANOLONE and First in class Epilepsy drug- GANAXOLONE. Several Thousands of patients were saved using these drugs. Dr. Sambha Sir is going to start a Wikipedia page next week with the title “Indian Scientist and Pharmacologist” A new Milestone that happened in august 2023 is the discovery of ZURANOLONE which is an Oral Neurosteroid pill for postpartum depression it is an FDA approved drug. Sir published 132 papers on neurosteroid still now and explained the goal for coming to India is to inspire the students.

Dr. D. Samba Reddy sir has praised Dr. B. Prabha Shankar sir, President, IPA-TS branch and Chairman, SNVPMV, as a dynamic and philanthropic and inspiring person, though in the absence of Dr. B. Prabha Shankar sir, things go smoothly because of his visionary leadership.

In his seminar, sir has explained the importance of medications of brain disorders showing the statistics that about 500 million people worldwide and around 100 million Americans were affected by the brain disorders. Sir explained the anatomy of brain, about the cells of the brain- neurons, synaptic transmission of neuronal circuit, brain GPS, brain diseases, targets and pathway goals related to drug discovery of brain disorders etc. Sir stated that he has chosen neurosteroids in the drug discovery of brain disorders and gave a brief insight on biosynthesis of neurosteroids, neurosteroids as endogenous modulators, mechanism of action of neurosteroids, neurosteroids as anticonvulsants, natural and synthetic neurosteroids, extra synaptic SAR of neurosteroids etc.

Sir then elaborated about the postpartum depression in women which was due to rapid drop in the neurosteroid levels after child birth which may lead to depression in such women. Sir extended that there is no drug developed to treat postpartum depression in women and Brexonolone is the first drug discovered by him to treat the disorder. Sir along with his research team has discovered another drug named Ganaxolone, first in class drug for the treatment of epilepsy which is a liquid oral. Sir also gave a note on various phases which a new drug should undergo for its approval by FDA. Sir encouraged all the students and faculty to work consistently and concentrate on the development of new drug molecules for various disorders because India is a country with much of the man power especially youth who is not concentrating on entrepreneur skills but remaining to work under authorities during their entire life. The students

were so enthusiastic and ardent in listening to him.

Dr. D. Samba Reddy is an excellent Academician and researcher with outstanding skills in all branches of pharmacy enlightened the entire audience by sharing all his research experiences and the session is open for discussion, queries. Students were very ardent and asked various questions on the topic. All the questions were patiently answered by sir, making the session, both informative and interactive. It was overall, extremely helpful and interesting to all the attendees. Later k. Ram Prasad sir briefed some of the principles to be followed in succeed in life. Later gain Dr. A. RamaKrishan sir spoke about the importance of cell and Gene therapy.

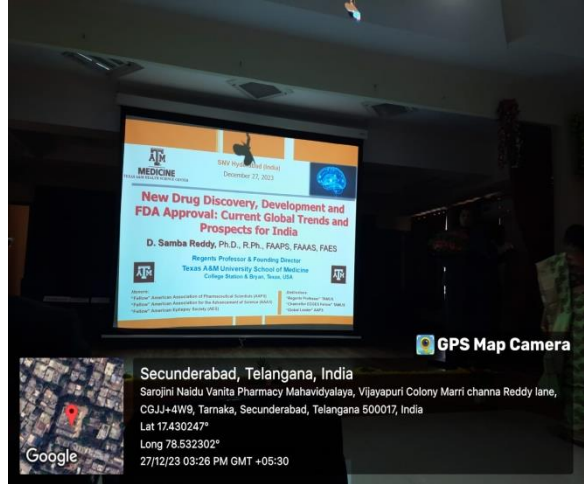
Finally, Dr. D. Samba Reddy Sir and Dr. A. Ramakrishan was felicitated by the dignitaries on the Dias.

The vote of thanks was delivered by K. Ram Prasad Reddy Garu, SNVPMV, by expressing gratitude to the guest speaker, Dr. D. Samba Reddy and Dr. A. Ramakrishan for his enlightening, inspiring and motivational talk on the topic and thanked all the participants for making the session successful. The session was ended up with National Anthem.





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