

ICMR International Travel Support for Non-ICMR Scientist

No. 3/2/TG-48(7)/HRD-2014

- ❖ **Name & Designation** : Dr. P. Ramasubramaniyan, Professor.
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- ❖ **Name of the International Conference/
Seminar/Symposium/Workshop** : 5th FIP Pharmaceutical Sciences World Congress
- ❖ **Title of the abstract accepted** : Formulation development and evaluation of metoprolol
succinate sustained release tablet and
Hydrochlorothiazide immediate release bilayer tablet.

- ❖ **Date & Venue** : Melbourne, Australia, 13-16th April 2014.
- ❖ **Money sanctioned** : Rs 85,789/-
- ❖ **Money reimbursed** : Rs 79,931/-

Participation Report

The 5th FIP-Pharmaceutical Science World Congress was organized by Federation of International Pharmaceutical Federation (FIP). The theme of the Conference is Pharmaceutical Sciences beyond 2020-The rise of new era in healthcare.

I have presented my poster entitled my abstract ID is PD-037.

I have started from the station on 10th of April and i have participated and attended the plenary lectures by the eminent pharmaceutical Scientist and academician from all over the world and also i have attended the scientific sessions presented by the scientists.

The conference was started on 13.04.2014 and ended on 16.04.14. More than 54 countries participated in the International conference. the topic in the conference includes all the components of Pharmaceutics, Analysis , pharmacology and regulatory and biotechnological aspects of the formulation and the challenges in the drug development and delivery.

I have got the good opportunity to interact with eminent scientists during the conference and also provides the impact of developing a pharmaceutical formulations in par with the global requirements.

I share the concepts of the recent Pharmaceutical concepts with in the specific topics like drug delivery of drug with low solubility, challenges in bioequivalence for the inhaled products novel nanomaterials for drug discovery physicochemical and biological determination of pharmacokinetics development of controlled release and sustained release technologies with the eminent scientist around the world. This will give an idea about the newer recent trends in the pharmaceutical applications. The presentation was discussed with some of the scientist in the concerned topic and motivated me to share the concepts and for the future prospects of the current research.

Academic Highlights of the Conference/training/workshop, including major recommendation and the following

(i) New development presented in the Conferences

The following topic in the Pharmaceutical Science were discussed and the newer concepts in the following topics were discussed in the Conference

They are as follows

- The Role of Pharmacokinetics in Bioequivalence studies
- Application of Pharmacometrics to Pre-clinical Data to understand and optimize antimalarial therapy
- PK-PD to enhance model based drug development
- Integrating network and Pharmacodynamic models of drug action
- Development of oral drug product based on BCS concept: Integrating drug permeability, solubility and dissolution
- Solubilisation for oral drug delivery: New Challenges and prediction
- Drug delivery to the Brain; is the blood-brain barrier a friend or foe?
- Development of an in vivo assessment tool for a quantitative and qualitative measurement of skin drug delivery
- Gene based therapeutics
- Co-delivery of drugs and siRNA in treat multidrug resistant cancers
- Delivering Plasmid DNA to Hepatocyte Nuclei
- Medication safety Challenges for the 21st century
- Evolution of the bio similar regulatory landscape -Challenges and opportunities
- Drug Transporters: Roles in new drug discovery
- Nanotechnologies for drug delivery
- Personalize Medicine and therapeutics drug monitoring adding value to current practice
- Recent trends and standards for dissolution and Drug release

Attested

PRINCIPAL

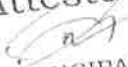
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(ii) New Development resulting from the training /workshop(200 words)

The 5th FIP-PSWC congress is organized by International Pharmaceutical Federation (FIP) between 13th to 16th April 2014 at Melbourne Convention Centre, Melbourne, Australia. The theme of the Conference is Pharmaceutical sciences beyond 2020-the rise of a new era in healthcare

This Conference provides wide platform for the pharmaceutical Scientist, researchers and academicians to discuss and present the recent concepts in the field of Pharmaceutical Sciences. This congress provide the researchers to discuss the latest scientific discoveries in the filed of Pharmaceutical sciences. The scientific session in the conferences, debates and different presentations by the researchers form various parts of the world will guide to network and share the recent concepts with the researchers, industry personals, academicians, and students .Many Nobel laureates and experienced Scientists gathers in the congress.

The conference covered the challenges for the devolvement of drugs with low permeability, modern pharmacoepidermiology, bioequivalence studies clinical drug development, carrier mediated transport through membranes, comparison of nanoparticles with micro particulate, gene bases therapeutics, medication safety, immunogenicity mitigation strategies for biosimilars, intracellular trafficking and targeting, safely of nanoparticles, therapeutic monoclonal antibodies, recent trends in standardization for dissolution and drug release, pulmonary drug delivery, clinical drug-drug interactions, natural products use of medicinal plant resources, herbal drug interactions physical pharmacy for future use, altered drug disposition and Drug discovery.

Attested

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All the four days in the Conference the Sessions and lectures are very interactive for me and i had good opportunity to interact with the experts and shared the newer concepts which will be helpful for further development of my research activities and an important tool for me to share the concepts with my students and researchers.

(iii). Name of the publications in case your work is recommended for publications

The researchers has suggested my abstract to publish this article in any International Journal of Pharmaceutical sciences with impact factor.

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