

REPORT ON 6th ICDDT

INTRODUCTION

After the overwhelming success of the series of the Drug Discovery and Therapy conferences, **the 6th International Conference on Drug Discovery and Therapy** was again held in Dubai from February 10-12, 2014 at Dubai Women's College, UAE. Keeping pace with the success trend each year, even the 6th ICDDT welcomed a huge aspiring audience of researchers and scientists to present the state-of-the-art advancements and discoveries making way into the field of drug discovery and therapy. The 6th ICDDT set the stage for an august assemblage of scientists and researchers including a few Nobel Laureates namely Prof. Ferid Murad (USA), Prof. Jean-Marie Lehn (France), Prof. Robert Huber (Germany) and Prof. Edmond Fischer (USA), besides the honorable Fellow of Royal Society (FRS) Prof. Atta-ur-Rahman.

This conference provided a platform to pharmaceutical scientists, doctors and clinical researchers to enlighten the aspiring addressees with the latest discoveries and researches in their respective fields spanned over 140 lectures including Plenary, Special Invited, Invited and Session lectures accompanied by 157 poster presentations catering to 43 major drug discovery disciplines.

MAJOR TRACKS

1. **Academic CRO/Industrial Collaborations in Drug Discovery**
2. **Anti-Cancer Drug Discovery & Therapy**
3. **Anti-Infectives**
4. **Bioactive Lipids**
5. **Biologics**
6. **Chemistry**
 - a. *Asymmetric Synthesis*
 - b. *Organometallic Chemistry*
 - c. *Carbohydrates*
 - d. *Spectroscopy*
 - e. *Medicinal Chemistry*
7. **Cardiovascular Drug Discovery & Therapy**
8. **Clinical Trials and Regulatory Affairs**
9. **Combinatorial Chemistry**
10. **CNS Drug Discovery & Therapy**
11. **Diabetes and Obesity Drug Discovery & Therapy**
12. **Drug Delivery & Targeting**
13. **Drug Discovery in Preclinical Research**
 - a. *De-risking Drug discovery*
 - b. *Hit to Lead and Lead Optimization*
14. **Drug Metabolism**
15. **Enabling Technologies**

16. **Genomics**
17. **Green Techniques for Medicinal Chemistry**
18. **High-throughput Screening & Laboratory Automation**
19. **Hot Topics in Drug Targets**
20. **Hot Topics in HIV Research**
21. **Hot Topics in Medicinal Chemistry**
22. **Hot Topics in Natural Products**
23. **Inflammation and Immunology**
24. **Innovative Drug Discovery and Nanotechnology**
25. ***In-silico* Drug Design and *In-silico* Screening**
26. **Medical Imaging**
27. **Nutraceutical Drug Discovery & Therapy**
28. **Pharmaceutical Biotechnology**
29. **Pharmaceutical Research & Development**
 - a. *Successful Drug Discovery from the Research Lab to the Marketplace*
 - i. First disclosure of Clinical Compounds
 - ii. Case Histories of Drugs on the Market
 - b. *Global Roundup of Pharmaceutical Research capabilities and Opportunities*
 - i. Middle East
 - ii. China
 - iii. Japan & Far East
 - iv. North America
 - v. Europe
 - vi. South America
 - vii. India & Asia
 - viii. Africa
 - c. *Global Discovery Outsourcing*
 - d. *Generic Pharmaceuticals: Challenges and Opportunities*
 - e. *Regulatory Affairs*
 - f. *Other Areas of Pharmaceutical R & D*
30. **Pharmacogenomics**
31. **Process Chemistry and Drug Manufacturing**
32. **Protein and Peptide Sciences**
33. **Proteomics & Bioinformatics**
34. **Pulmonary Drug Discovery & Therapy**
35. **Recent Advances in Patient Treatment and Care**
36. **Recent Advances in Spectroscopy**
37. **Regenerative Medicine**
 - a. *Stem Cells*
 - b. *Gene Therapy*
 - c. *Tissue Engineering*
 - d. *Recent Developments in Regenerated Medicine*
38. **Stereoselective Synthesis of Bioactive Compounds**
39. **Structural Biology**
40. **Systems Biology in Drug Design**
41. **Traditional Chinese Medicine**
42. **Translational Medicine**
43. **Women's Health Drug Discovery & Therapy**

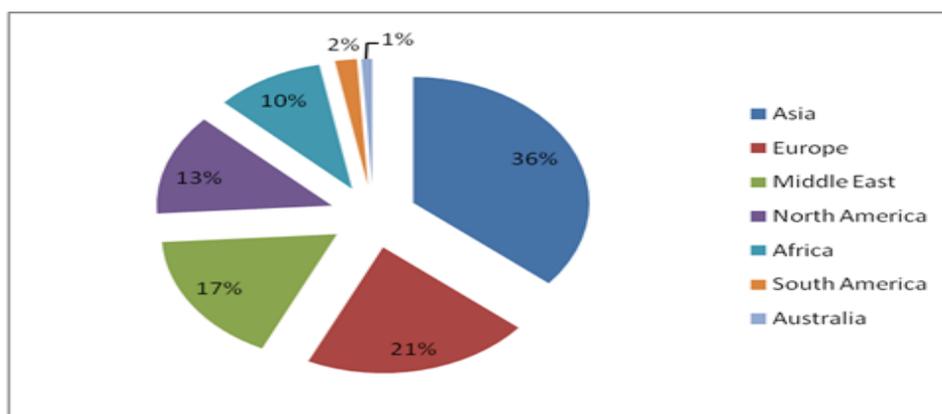
INAUGURAL CEREMONY

The inauguration ceremony of 6th International Conference on Drug Discovery and Therapy as well as of 3rd Biotechnology World Congress was jointly held on 10th February 2014 to mark the importance of these symposia of multidimensional importance, which have, since a few years, attracted the attention of scientists from all over the world to shed light on the latest research advances in the field of drug discovery, disease management and diagnosis as well as the translational nature of biotechnological research.



Prof. Ferid Murad, the Nobel Laureate and Prof. Atta-ur-Rahman, the co-presidents of conferences, in their opening speeches gave an assurance that this meeting of scientists and researchers from around the world will bring out the best in drug discovery and therapy, besides biotechnology. They discussed that the conferences aim to provide a diverse perspective on the rapid developments in new and emerging fields and how these are presenting new opportunities and challenges to scientists and researchers.

PARTICIPATION BY GEOGRAPHICAL AREA:



The genuine intention of 6th ICDDT of disseminating knowledge materialized, by gathering top international scientists and clinicians presenting the cutting-edge discoveries, research and new therapeutic drugs; fostering exchange of ideas amongst leading pharmaceutical scientists, clinicians and internists; as well as offering the exhibitors a direct access to a core audience of professionals to have increased visibility through branding and networking at the conference.

LECTURE SESSIONS:

The proceedings of 6th ICDDT spoke volumes of granting thorough intellectual contentment to the participants through Plenary lectures, Invited lectures, Session lectures, Poster presenters, and Exhibitions to share their scientific and biotechnological and accomplishments besides their outlook spanning over a diverse range of fields.

Each day commenced with 3 Plenary lectures (45 min duration each) from Nobel Laureates and other renowned scientists, followed by regular sessions of Invited and Session lectures conducted in 6 parallel sessions. The smooth running of lectures attended by enthusiastic participants to derive as much information as possible was well enough to convey their genuine appreciation of being a part of this forum.



With an effort to somehow satiate the participants thirst for knowledge, poster sessions were held one hour after the lecture sessions on 11th and 12th February. The Poster session was an attraction to the audience after a long day of lectures. The audience was mesmerized by the comprehensively presented information displayed by the Poster presenters through their Posters. The Poster session attracted equal attention of the participants as the Lecture sessions.

COCKTAIL MIXER

After the lecture sessions wrapped up on the 10th of February 2014, a Social Mixer, basically a cocktail party, was organized for the participants that offered them a relaxing environment to mingle, socialize, and exchange ideas with leading pharmaceutical scientists and researchers. The social mixer provided the opportunity to the guests- all from varied backgrounds- to get to know each other, discuss ideas and introduce ways for new possibilities in research discovery and development. The participants enjoyed a chat over cup of coffee or a glass of juice with a variety of snacks.



RENDEZVOUS WITH NOBEL LAUREATES:

The symposium arranged a stimulating interactive session of the Nobel Laureates namely Prof. Ferid Murad (USA), Prof. Jean-Marie Lehn (France), Prof. Robert Huber (Germany) and Prof. Edmond Fischer (USA), along with the honorable Fellow of Royal Society (FRS) Prof. Atta-ur-Rahman with the aspiring students of various colleges of Dubai. The students were too enthusiastic to have a one to one meeting with such renowned personalities, who they have only heard about or have just read about, but had never ever had a chance to meet personally.



Each Nobel Laureate first gave a brief introduction about himself, his academic life, his achievements, the shortcomings, his personal and professional life. The students lent a keen ear to their personal accounts and were mesmerized by the long, tedious but gratifying journey to the present day.

The students were then given the opportunity to seek answers to the number of questions in their mind about these eminent scientist's lives and also to learn from them on how to give a right direction to their aspirations.

POSTER PRESENTATION- CASH PRIZE DISTRIBUTION CEREMONY

The closing stages of the conference presented the Cash Distribution Ceremony which was the most sought after event of this conference, the delegates desperately waited for. The ceremony was organized to reward the three best posters. A panel of judges including Dr. Jeff Kuret, and Dr. Debomoy K. Lahiri shouldered the responsibility to assess all the posters very critically, based on the arrangement of the poster, the stance, the research embarked on, the perspective of the poster presenter, his/her awareness of the subject matter of the poster presented, and most of all, his/her attitude when the poster was being assessed.



Considering all of the above, three best posters were selected and awarded cash prizes. Dr. M. Iqbal Choudhary conducted the prize distribution ceremony and awarded first, second and third prizes to Dr.

Fatemeh Jalali, Dr. Maha M. Hammad and Dr. Jela Valachova, respectively. The prize winners were extremely overwhelmed to be appreciated for their efforts, and so were the other delegates.

GALA DINNER IN THE DESERT:

The 6th ICDDT drew to a close on 12th February 2014 maintaining its grandeur with the exhilarating gala dinner in the desert on the 12th of February 2014. As always, the Gala Dinner was the highlight of the conference. This year, the participants were driven to the exotic desert of Dubai, offering the pleasure of discovering the calmness and the quietness of the desert. This unforgettable evening under the open sky with gentle cold breeze, served oriental cuisine with soft drinks and traditional coffee to be enjoyed at the beat of traditional Arabic music and conventional dance performance.



EXHIBITION

The exhibition was another appeal of 6th ICDDT which was in full progression throughout the span of the conference. The major exhibitors were the following:



SPONSORS AND MEDIA PARTNERS:

The sponsors and media partners of 6th ICDDT 2014 were the following:



THE DRUG DISCOVERY & THERAPY CONGRESS - THE SUCCESS TREND

Eureka Science and Higher Colleges of Technology proudly announced hosting the two magnificent conferences, **6th International Conference On Drug Discovery & Therapy** and the **3rd Biotechnology World Congress**, to be held from 10th – 12th February 2014 at Dubai Women's College. The 6th ICDDT conferences presented an august platform to renowned scientists and researchers from the scientific community to expound their inventions in their own specialized fields.

A number of eminent Nobel Laureates also paid homage to these grand events. Based on plenary lectures, invited and session talks and through poster presentations, the symposia delineated not only on the ground-breaking advancements in drug design and discovery, but also on the burgeoning field of Biotechnology. This success trend over the years has facilitated enlightenment in the extremely diverse field of medicine to cater to the treatment of debilitating diseases surreptitiously invading the entire humanity and has shed light on the appreciable advancements in the various drug discovery aspects.