

## **‘Reverse Engineering of Oral Solid and Liquid Formulations’**

NIPER has set up a dedicated Small and Medium Pharmaceutical Industry Centre (SMPIC) with an aim to develop and assist SME pharma units to meet global challenges in regulatory requirements, good laboratory practices etc. This centre organizes seminars on issues related to GLP, GMP and the other allied areas. In this series, a one day seminar on ‘Reverse Engineering of Oral Solid and Liquid Formulations’ was organized on 11<sup>th</sup> August, 2017. The seminar gave an insight into the strategies and various analytical techniques used in deformation of both solid and liquid pharmaceutical formulations. Topics dealing with the role of reverse engineering in development of generic products, role of dissolution in matching innovator product performance and role of analytical and instrumental techniques in reverse engineering of pharmaceutical formulations were discussed. Highly experienced personnel from pharmaceutical industry (Dr Ravindra Agarwal, Associate Director, Sunpharmaceutical Industries, Gurgaon), eminent personalities from regulatory (Mr R K Harna, Retd. ADC, Haryana), academia (Prof. A K Bansal; Head, Deptt. of Pharmaceutics, NIPER, Mohali) and instrumentation experts (Dr S Addepalli, Application Scientist, Bruker India Scientific Pvt. Ltd., Mumbai and Dr Michael Caves, Business Development Manager, Malvern Instruments Ltd., New-Delhi) delivered lectures at this forum. The seminar was attended by about 45 personnel from industry and students from various institutes.

### **List of delegates attended the seminar**

| <b>S No</b> | <b>Delegate</b>         | <b>Designation</b>          | <b>Company</b>  |
|-------------|-------------------------|-----------------------------|---|
| 1           | Ramesh Arora            | MD                          | Kwality Pharmaceuticals Pvt Ltd Amritsar Punjab                               |
| 2           | Dr Biresh Kumar Sarkar  | Assistant Director Pharmacy | Central Ayurveda Research Institute for Respiratory Disorders, Patiala Punjab |
| 3           | Jayadev Krishnan P      | Executive                   | Chethana Formulation Pvt Ltd Kerala   |
| 4           | Abhinav Sharma          | Student                     | Khalsa College of Pharmacy, Amritsar, Punjab                                  |
| 5           | Charanpreet Singh       | Student                     | Khalsa College of Pharmacy, Amritsar, Punjab                                  |
| 6           | Sumit Mukesh            | Student                     | NIPER, Mohali, Punjab   |
| 7           | Rahul kumar             | Student                     | NIPER, Mohali, Punjab   |
| 8           | Rajdeep Ghawary         | Student                     | NIPER, Mohali, Punjab   |
| 9           | Ravi Kumar Chakaravarty | Student                     | NIPER, Mohali, Punjab   |
| 10          | Deepika Daksh           | Student                     | NIPER, Mohali, Punjab   |
| 11          | Chanti Babu             | Student                     | NIPER, Mohali, Punjab   |
| 12          | Savitri Yadav           | Student                     | NIPER, Mohali, Punjab   |
| 13          | Pavani Gattagulla       | Student                     | NIPER, Mohali, Punjab   |
| 14          | Rajat Goel              | Student                     | NIPER, Mohali, Punjab   |
| 15          | Anoop Verma             | Executive                   | Sozin Flora Pharma Ltd, Kala Amb, HP  |
| 16          | Vinod Kumar             | Executive                   | Sozin Flora Pharma Ltd, Kala Amb, HP  |
| 17          | Sunil Kamboj            | Executive                   | Fresenius Kabi Oncology Gurgaon, Haryana                                      |
| 18          | Vipan Kumar             | Executive                   | Fresenius Kabi Oncology Gurgaon, Haryana                                      |
| 19          | Sarvjeet Singh          | Executive                   | Fresenius Kabi Oncology Gurgaon, Haryana                                      |
| 20          | Shobhit Singh           | Executive                   | Fresenius Kabi Oncology Gurgaon, Haryana                                      |
| 21          | Jamshed Haneef          | Research Scholar            | UIPS, PU, Chandigarh  |
| 22          | Rajib K Sahoo           | Research Scientist          | Jubilant Generics, Noida, UP  |
| 23          | Mehakjot Singh          | Executive                   | Consern Pharma Ltd, Ludhiana, Punjab  |
| 24          | Sameer Kumar            | Executive                   | Consern Pharma Ltd, Ludhiana, Punjab  |
| 25          | Sumant Saini            | Research Scholar            | UIPS, PU, Chandigarh  |

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|----|-----------------------|--------------------|---|
| 26 | Rakesh Singla         | MD                 | Austin Pharma Dera Bassi, Mohali              |
| 27 | Gurshawan Singh       | Manager            | Parex Pharmaceuticals Mohali                  |
| 28 | Divya Malaotra        | Student            | Khalsa College of pharmacy, Amritsar, Punjab  |
| 29 | Gian Prakash          | MD                 | Sarval Pharmaceuticals Dera Bassi, Mohali     |
| 30 | Kulvinder singh       | Student            | Khalsa College of pharmacy, Amritsar, Punjab  |
| 31 | Sudhir Pathak         | MD                 | QP Pharma Dera Bassi, Mohali                  |
| 32 | K. Ramakrishana Reddy | Student            | NIPER, Mohali, Punjab                         |
| 33 | Harminder singh       | Production Manager | Unitech Pharmaceuticals Ltd, Ludhiana, Punjab |
| 34 | Ashwani Soni          | MD                 | Laxon Drugs Dera Bassi, Mohali                |
| 35 | K K Tiwari            | Production Manager | Solar Pharmaceuticals Ltd, Ludhiana, Punjab   |
| 36 | P K Tiwari            | Manager            | Uniz Labs Ltd, Ludhiana, Punjab               |
| 37 | Munish Sharma         | Partner            | Edifice Labs Ltd, Ludhiana, Punjab            |
| 38 | Labnesh Jindal        | MD                 | Aripolis Biotech Ltd, Ludhiana, Punjab        |
| 39 | Gagan Maggu           | MD                 | Psyco Remedies Ltd, Ludhiana, Punjab          |
| 40 | Sanjeev Verma         | MD                 | Velite Pharmaceuticals Ltd, Ludhiana, Punjab  |
| 41 | R K Bhardwaj          | MD                 | Beekay Pharmaceuticals Ltd, Ludhiana, Punjab  |