



WORKSHOP ON BIOCHEMICAL DIAGNOSIS OF INBORN ERRORS OF METABOLISM

Name(s) of resource faculty

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Venue: Pediatric Biochemistry laboratory (Room No. 3313 & 3314) and Seminar room 6-D, Advanced Pediatric Centre (APC), PGIMER, Chandigarh

| Time | Session | Speaker |
|-----------------|--|--|
| 8.30 - 8.45 AM | Registration (Outside 6-D Seminar Room, APC) | |
| 8.45 - 10.45 AM | Overview of LC-MS/MS (Batch 1) /GC-MS (Batch 2), instrumentation, demo run and interpretation of results | Mr. Kankan Jana, Sciex India / Dr. Praveen Sharma, Agilent Technologies |
| 10.45 - 11 AM | Tea Break (Coffee room adjoining 6-D Seminar Room, APC) | |
| 11 - 1 PM | Overview of LC-MS/MS (Batch 2)/GC-MS (Batch 1) instrumentation, demo run and interpretation of results | Mr. Kankan Jana, Sciex India / Dr. Praveen Sharma, Agilent Technologies |
| 1 - 2 PM | Lunch Break (Lecture Theatre 1) | |
| 2 - 2.40 PM | Estimation of biotinidase and ceruloplasmin | Technical staff |
| 2.45 - 3.05 PM | Overview of Inborn Errors of Metabolism, Newborn screening, high risk screening and other testing modalities | Dr. Jayakanthan K |
| 3.05 - 3.30 PM | Utility of LC-MS/MS for quantification of amino acids and acyl carnitines, clinical implications and case discussions | Dr. Savita Verma Attri |
| 3.30 - 4.10 PM | Profiling of urine organic acids using GC-MS and clinical interpretations | Dr. Savita Verma Attri |
| 4.10 - 4.30 PM | Concluding remarks, Feedback and Vote of thanks | |

