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Translational Health Science and Technology Institute

Seminars

1. " Semiconductor sequencing-Paradigm shift in the technology"

Speaker: Dr Anupama Gaur, Business Development Lead, NGS

2. " Real PCR Solutions from Life Technologies"

Speaker: Dr. Sangeeta Thatai, Training Lead, South Asia

Seminar Hall, THSTI,
Two succesive Seminars commencing at
4.00 pm on 21st August 2013 .

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Seminar Abstract

" Semiconductor sequencing-Paradigm shift in the technology"

The importance of DNA sequencing to biotechnology and medicine has driven the search for more scalable and lower-cost solutions. Low-cost semiconductor techniques are used to directly perform non-optical DNA sequencing of genomes. Sequence data are obtained by directly sensing the ions produced by template-directed DNA polymerase synthesis using all-natural nucleotides on this massively parallel semiconductor-sensing device or ion chip. This allows for low-cost, scaling of the sequencing to higher levels ie sequencing higher genomes with greater depth. The system robustness and scalability makes the reality making personalized medicine a reality rather than dream.

Seminar Hall, THSTI,

At 4.00 pm on 21st August 2013.

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Seminar Abstract

Real Time PCR Solutions from Life Technologies

The talk would discuss how Life Technologies is leading the way in innovation in Real Time PCR and Digital PCR technology by continuously making available unique and easy to use solutions to its customers. During this session, we would like to cover the various instrument, reagent and application solutions available from Life Technologies and how these fit into your lab's applications and workflows. We would like to introduce you to the recently launched Quant studio series of instruments for qPCR to enhance and expedite your research by providing you with the flexibility to choose as per your individual, ever growing throughput and application needs. The talk would cover some highlighted applications on Real Time PCR along with an introduction to the technique of Digital PCR and its applications in areas where the sensitivity and precision requirements are beyond the capabilities of qPCR.

Seminar Hall, THSTI,

At 4.00 pm on 21st August 2013.