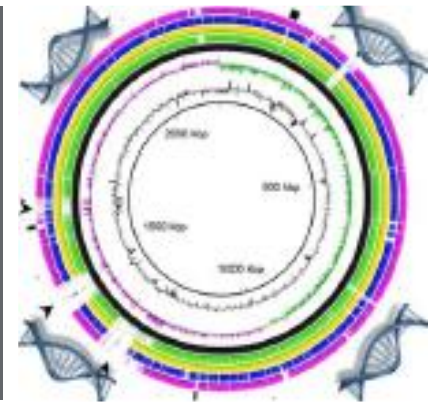


Trainee Symposium on Diagnostic Genetics

Thursday, June 29, 2017

8 a.m. to 6 p.m.

Mitchell Building, Floor 3, Elevator J, Onstead Auditorium (S3.8012)



Invited Lectures

8 a.m. Registration and Breakfast

9 a.m. *Next generation sequencing as a tool for precision cancer care: Challenges and advances*; **A. Karina Eterovic**, Ph.D., associate professor of Systems Biology, MD Anderson

9:30 a.m. *Identification of novel regulators and therapeutic targets in hematologic malignancies*; **Sean M. Post**, Ph.D., assistant professor of Leukemia, MD Anderson

10 a.m. *Molecular diagnostics in solid tumors*; **Sinchita Roy-Chowdhuri**, M.D., Ph.D., assistant professor of Pathology, MD Anderson

10:30 a.m. Coffee Break

11 a.m. *Whole genome amplification of single fetal cells for downstream NGS analysis of copy number variants and SNPs*; **Adriel Kim**, PI: Arthur Beaudet, Baylor College of Medicine

11:30 a.m. *Highly-multiplexed single cell DNA sequencing to investigate intratumor heterogeneity*; **Haowei Du**, PI: Nick Navin, MD Anderson

12 p.m. *Chromosome 8p12-21 alteration in lung cancer*; **Mohamed Baity**, PI: Bingliang Fang, MD Anderson

12:30 p.m. LUNCH and Poster Viewing

Awardee Lectures

2 p.m. *Circulating cell free DNA as a biomarker to detect early stage endometrioid type endometrial carcinoma*; **Ana Bolivar**, Awarded Best Abstract, Cancer Genome Consortium Meeting, 2017, PI's: Russell Broaddus and Raja Luthra, MD Anderson

2:30 p.m. *Whole genome-based molecular epidemiology of Staphylococcus epidermidis isolates causing invasive bloodstream infection in cancer patients*; **Xiqi Li**, Awarded Student and Postdoctoral Travel Award, American Society for Microbiology, 2017, PI's: Sam Shelburne and Awdhesh Kalia, MD Anderson

3 p.m. *Comparison of whole genome sequencing and conventional molecular techniques for genotyping bacterial isolates causing bacteremia in cancer patients*; **Wenrui Ye**, Awarded Best Abstract, Association of Genetic Technologists Annual Meeting, 2017, PI: Awdhesh Kalia, MD Anderson

3:30 p.m. Coffee Break

3:45 p.m. *Structural variant analysis in Mendelian disease*; **Vahid Bahrambeigi**, PI: James Lupski, Baylor College of Medicine

4:15 p.m. *Molecular genetic analysis of ccfDNA can be used as noninvasive cancer-specific screening markers of colorectal cancer*; **Xuemei Shi**, PI's: Scott Kopetz and Raja Luthra, MD Anderson

4:45 p.m. *Genomic profile-based prognostic markers of pediatric germ cell tumors*; **Hui Yi Yon**, PI: Pulivarthi Rao, Texas Children's Hospital

5:15 p.m. *Specific genetic signatures associated with breast cancer among African Americans and Caucasians*; **Maha El Naofal**, PI: Rana El-Zein, Methodist Hospital Research Institute

THE UNIVERSITY OF TEXAS

MDAnderson
Cancer Center

Making Cancer History®

For more information, contact
akalia@mdanderson.org