Poster Listing

Even numbered posters will be attended by their authors on Friday, November 17, 2:30pm – 3:30pm.

Odd numbered posters will be attended by their authors on Saturday, November 18, 9:45am – 10:45am.

GENETICS

G01. Validation of the Ion S5 and Ion Chef for Cystic Fibrosis Mutation Analysis
T.R. Sundin

G02. Reinterpreting Previously Reported Genetic Variants is Clinically Significant
J.A. SoRelle

G03. Hypertrophic Epicardial Adipose Tissue is a Source of EPAC Proteins Directly Associated to ST2 Production and Heart Dilation and may be a Potential Index of Heart Remodeling in CVDs Patients
M.M. Corsi Romanelli

G04. Discovery of a Novel, Accurate Tagging SNP for HLA-B*15:02 Screening Before Carbamazepine Therapy in the Multiethnic United States Population
H. Fang

G05. Spectrum of Mutations in Hbb Gene among Thalassemia Major Patients in a Cohort of Nepalese Population
S. Thapa

G06. Custom NGS Panels from Optimized Gene Sets for Inherited Disease Research
M. Andersen

G07. WITHDRAWN

G08. Comprehensive Carrier Testing of 9,785 Chinese Couples for Common Severe Recessive Disorders
S. Zhao

G09. Exome Re-Analysis and Complementary Testing Identify Novel Mutations for Rare Mendelian Disorders
C. Wei

G10. Validation of A Cystic Fibrosis 55 Mutation Screening Assay on the QuantStudio 12K Flex Open Array System
M.M. Moradian

G11. Linked-Read Sequencing for Molecular Cytogenetics
S. Garcia

G12. High Throughput Linked-Read Sequencing for Improved Variant Detection
A.N. Fehr

G13. GALC Deletion/Duplication Detection by Droplet Digital PCR for Krabbe Disease Confirmation in a Single Dried Blood Spot Punch
R. Majumdar

G14. Pericentromeric Regions of Homozygosity on the X Chromosome are Likely Benign Population Variation
E.S. Barrie

G15. Clinical Utility of Next Generation Sequencing (NGS) studies in Neurological Disease – Our Experience at Kokilaben Dhirubhai Ambani Hospital, India
J.C. Vyas

G16. Clinical Impact of Characterizing Genomic Alterations Using Whole-Genome Mate Pair Sequencing
J. Blommel

G17. Comparison of Specimen Collection Methods for Pharmacogenetic Testing
H. Katzov-Eckert

G18. Using the GeneReader NGS System to Identify Mutations in BRCA 1/2, PTEN and TP53
N. Dennison

Poster Listing

G19. Detecting Pharmacogenomic Variants Using Long- and Short-Read Next Generation Sequencing Platforms
C.A. Schumacher

G20. Microdeletion in SNRPN May Lead to False Positive Results for Angelman Syndrome Using Methylation Analysis
B.M. Zhang

G21. BRCA1 Mutation Detection Using QIAGEN GeneReader NGS System in a Case with RET Codon 634 Mutation
B. Sarkadi

G22. Colorectal Cancer Predisposition and its Genetic Characterization of Korean Patients
K. Park

G23. Tumor Mutations Can Help Classify Germline Variants: Learning from Mismatch Repair Deficiency
B.H. Shirts

G24. Discovery of Unique Disease- and Gene-Specific Peripheral Blood DNA Methylation Signatures Allows Molecular Diagnosis and VUS Classification in Hereditary Genetic Syndromes"
B. Sadikovic

G25. Analytical Validation of the Advanta Immuno-Oncology Gene Expression Assay for Profiling of Immunobiology and the Development of Predictive Gene Signatures for Response to Immunotherapies
P. Chen

G26. Genome Sequencing Reveals Variants in Non-Coding Regions Cause Hereditary Hemorrhagic Telangiectasia
G. Akay Tayfun

G27. Genetic Testing of Noonan Syndrome Using Targeted Next-Generation Sequencing Panel
C. Seol

G28. Short Tandem Repeat Analysis Reveals a High Rate of Partial Hydatidiform Moles in Triploid Conceptions Identified by Prenatal Chromosome Microarray
X. Wu

G29. Comparison of EUROArray HLA-DQ2/DQ8-h Direct and Olerup SSP for the Determination of Celiac Disease Associated Risk Factors HLA-DQ2.2, -DQ2.5 and -DQ8
N. Miron

G30. Improved Screening for Cancer Predisposition Mutations in Patients with Advanced Solid Tumors Enabled by Tumor-Normal Sequencing
D. Mandelker

G31. Importance of Whole Exome Sequencing in Solving Complex Phenotypes: A Case Report
R.M. Minillo

G32. Automated Reanalysis of Genomic Data: Challenges and the Promise of Novel Diagnoses
J. Murrell

G33. Chromosome Anomalies Involving the *APC* Gene Lead to an Increased Risk for FAP and Developmental Delays
B.A. Hilton

G34. Analysis of Cell Pellets Using the Cytoscan Dx Chromosomal Microarray
C.J. Broehm

G35. Interindividual Variability of Delta-9-Tetrahydrocannabinol Metabolism by CYP2C9 Polymorphism and Possible CYP3A Inhibitors
M. Nakano

G36. An Atypical Presentation of a Homozygous Delta-F508 Mutation
O. Rouhi

G37. Expert Review of NGS Results Removes Need for Routine Sanger Sequencing Confirmation
D. Muzzey

G38. High Prevalence of Alpha-1 Antitrypsin Z Alleles in Formalin-Fixed Paraffin-Embedded Liver Explant Tissue with PAS-D Globules
L. Pac

G39. Clinically Relevant Findings from Pharmacogenomic Testing in >36k Patients Across Multiple Diagnoses
J.P. Jarvis

Poster Listing

G40. Analytical and Clinical Validation of Variants Identified by Exome Sequencing through Secondary Review and Sanger Confirmation in a CLIA-Certified Molecular Laboratory
N.T. Strande

G41. The Mother of all Confounders: Strategies to Avoid False Positives Caused by Maternal Copy Number Variants in Noninvasive Prenatal Screening
K.E. Kaseniit

G42. The Analysis of Oral Microbiome in CytoScan Assay Performance
D. Lizarraga

G43. Second Specimen Testing for TP53 Variants
J. Bissonnette

G44. Runs of Homozygosity (ROH) Reveal that Segmental-UPD Occurs as a Result of Recombination Mediated Repair of Genomic Imbalance
A.L. Penton

G45. Comparison between Different Activity Score Models for CYP2D6 Phenotype and Frequencies of Actionable Combined Genotypes of CYP2D6 and CYP2C19
M. Nakano

G46. Mutation Spectrum of the *KCNQ1*, *KCNH2*, and *SCN5A* Genes for the Long QT Syndrome in Korea
M. Kim

G47. Spectrum of *MNX1* Mutations in Korean Patients with Currarino Syndrome
S. Lee

G48. WITHDRAWN

G49. Genetics Insights into Hereditary Cancer Risk in the Latin American Population
A. Leon

G50. Comprehensive Detection of *CFTR* Variants Using Anchored Multiplex PCR and Next-Generation Sequencing
M.T. Hardison

HEMATOPATHOLOGY

H01. Diffuse Large B-Cell Lymphoma Gene Expression Profiling for Cell-of-Origin Determination (Lymph2Cx Testing) Using FFPE Tissue Sections in a Clinical Molecular Diagnostics Laboratory
R.S. Robetorye

H02. Performance Evaluation of a T-cell Receptor Gamma Gene Rearrangement (TRG) Next Generation Sequencing (NGS) Assay for Clinical Practice
V. Borodin

H03. Minimal Recipient Chimerism Detection by qPCR Method for the Post-Transplant Patients Who Achieved Complete Donor Chimerism by STR Method
L. Kumer

H04. Frequency and Pattern of BCR-ABL Kinase Domain Mutation in Chronic Myeloid Leukemia-An Indian Perspective
R. Katara

H05. Clinical Validation of a Highly Sensitive and Highly Reproducible BCR-ABL1 Quantification Assay for CML Monitoring
M. Alikhan

H06. Comparison of Clonality Testing on B Plus Fixed Versus Formalin Fixed Tissue
E. Castro-Echeverry

H07. Detection of Fusion Transcripts in Hematologic Malignancies by RNA-Seq
P. Szankasi

H08. Development and Validation of a Multiplex Droplet Digital PCR Assay for the Detection and Quantification of BCR/ABL1 Fusion Transcripts
R.Y. Walder

H09. Evaluation of the QIAGEN CALR RGQ PCR Kit for the Detection of CALR Mutations in Suspected Myeloproliferative Neoplasms
L.J. Doyle

Poster Listing

H10. Comparison of FLT3-ITD Allelic Ratio by PCR Analysis and Next Generation Sequencing
E. Castro-Echeverry

H11. Differential Mutation Patterns of the Calreticulin Gene in 14,064 Patients: Distribution of Deletions, and Insertions in a Clinical Population
J. Sebastian

H12. Impact of *MYC* Abnormalities, Trisomy of Chromosome 8 and Estimated Tumor Progression Values in Plasma Cell Myeloma
R. Garcia

H13. One Children's Oncology Group Cytogenetics Laboratories' Experience With Single Nucleotide Polymorphism Chromosome Microarray Analysis of Pediatric Acute Leukemia's
M. Micale

H14. Use of an NGS Based Custom Myeloid Gene Panel for Sequencing of Formalin-Fixed Paraffin Embedded Bone Marrow Clot Sections and Air-Dried Smears in Acute Myeloid Leukemia
A.N. Huho

H15. A Prolonged Low Level JAK2 V617F Is Significant In Clinically Suspicious Myeloproliferative Neoplasms (MPN)
E. Vail

H16. Clinical Validation and Implementation of a Targeted Sequencing Panel for Myeloid Neoplasms
D. Steiner

H17. Lack of Racial Differences in Primary Cytogenetic Abnormalities in Multiple Myeloma
J. Richter

H18. Distinct Patterns of PML-RARA Fusion Gene Formation in High Risk Acute Promyelocytic Leukemia Revealed by Whole Genome Sequencing
Y. Cho

H19. Genetic Heterogeneity and Stratification of AML Samples with NPM1 Mutation Detected by the MyAML NGS Test
S. Gramatikova

H20. Impact of Molecular Sequencing Information as Related to 2008 and 2016 WHO Classification of Acute Myeloid Leukemia and Myelodysplasia
L.N. Toth

H21. Validation of a Next Generation Sequencing-Based Assay to Detect Recurrent Translocations in Ph-Like Acute Lymphoblastic Leukemia
D. Duose

H22. Isocitrate Dehydrogenase 1 and 2 Mutations in Myeloid Neoplasms
L.N. Toth

H23. RNA-Based Immune Repertoire Sequencing for Characterizing B-Cell Lineage Malignancy Clonality and IGHV Mutation Status
J. Haimes

H24. Utilization of Peripheral Blood for Diagnostic Testing for MDS/MPN Patients: Efficacy and Benefits of a SNP Microarray Analysis
S. Schwartz

H25. Clinical and Genetic Characteristics of MYC Gene Aberration in Multiple Myeloma
S. Min

H26. Clinical Validation of a Molecular Barcoded Amplicon-based Next Generation Sequencing Test for Mutation Profiling of Myeloid Neoplasms
T. Yang

H27. Performance of ACL LDT CALR Exon 9 Assay
L.J. Mazur

H28. Haplotype Counting for Sensitive AML Relapse Detection
M. Debeljak

H29. Evaluation of Fragment Analysis Assay for Detection of *CALR* Exon 9 Insertion and Deletion Mutation in Myeloproliferative Neoplasms
J. Cho

Poster Listing

H30. Hematopoietic Tumor Contamination in Human Fingernail Clippings Used as a Germline Comparator in an NGS-based Myeloid Panel
D. Olson

H31. Successful Coverage of Difficult to Sequence Genes (CALR, CEBPA, and FLT3) Associated with Myeloid Disorders Using a Hybridisation-Based Enrichment Approach Prior to Next-Generation Sequencing (NGS).
L. Georgieva

H32. Commonly Mutated Genes across Myeloid Malignancies Using a Targeted NGS Panel: A Single Institution Experience
J. Yan

H33. Targeted Sequencing of Recurrently Mutated Genes in Myeloid Neoplasms Using the Raindance Thunderstorm-Illumina Miseq Platform: My Heme (Myeloid Hematologic Malignancy) Panel
S. Cheng

H34. Implementation Considerations: Designing and Medically Vetting a Targeted Gene Panel for Hematologic Malignancies
N. Sidiropoulos

H35. Development of a Targeted Next Generation Sequencing Panel for Multiple Myeloma
M. Mai

H36. Comparison of a MALDI-TOF-based SNP Panel with STR Analysis for Chimerism Testing
Y. Linnik

H37. Performance Evaluation of a Novel, Rapid, Multiplexed, One-Step RT-PCR Assay for Simultaneous Detection of Common Leukemia-Associated Translocations
S.S. Talwalkar

H38. Development of a Droplet Digital PCR Assay for Detection and Quantification of BCR-ABL1 e1a2 Fusion Transcripts in Acute B Lymphoblastic Leukemia
P. Mroz

H39. Multi-Year Review of Cytogenetic Abnormalities in Patients with Multiple Myeloma from a Single Institution and a Proposed Testing Algorithm
P. Paulraj

H40. ALL-ICP, a Simple and Comprehensive Method to Detect Chromosome Abnormalities in Acute Lymphocytic Leukemia
R. Babu

H41. Multi-Platform-Based Comprehensive Molecular Analysis of Hematological Malignancies for Somatic Mutations, Copy Number Changes, and Translocations for Routine Clinical Testing
R. Kanagal-Shamanna

H42. Correlation between Calreticulin (*CALR*) Mutations as Detected by PCR and CAL2 Antigen Expression by Immunohistochemistry
E. Wolak

H43. Validation of a Low-input, Amplicon-Based Dual-Strand Assay to Detect DNA Variants in Lymphomas by Next-Generation Sequencing (NGS)
A. Oran

H44. HDAC6 Regulates MicroRNA-27b that Suppresses Proliferation, Promotes Apoptosis and Target C-MET in Diffuse Large B-Cell Lymphoma
Y. Jia

H45. Clonality Detection Using Next-Generation Sequencing and Capillary Electrophoresis Methods in Suspect Lymphoproliferative Samples
Y. Huang

H46. NGS Based Identification of FLT3 ITD Mutations Using Unique Molecular Indexes
B.A. Parikh

H47. Clinical Utility of Semiconductor-Based Next Generation Sequencing for Evaluation of IgVH Somatic Hypermutation Status in Chronic Lymphocytic Leukemia / Small Lymphocytic Lymphoma (CLL/SLL)
B. Tandon

Poster Listing

H48. Unusual Cases of MDS/MPN-RS-T Without Overt Anemia Share Molecular Signatures Classic for MDS and MPN Overlap Syndromes
P. Li

H49. Sensitive CXCR4 Sequencing Using Bridged Nucleic Acid (BNA) PCR Clamp Technology
K.E. Halverson

H50. Del(7)(q22) Resulting From an Unbalanced der(7)t(3;7)(q26;q21) Generating a CDK6-MECOM Fusion and FLT3 Alterations in Pediatric Acute Myeloid Leukemia with Myelodysplasia-Related Changes
E.M. Azzato

H51. Going Beyond MMR to the Analysis of Deep Molecular Response
K. Drafahl

H52. Comprehensive Assessment for Structural Rearrangements Using a Customized Anchored Multiplex PCR-Based Next-Generation Sequencing Assay Targeting 199 Genes
A.K. Dupuy

H53. Validation of the LeukoStrat CDx FLT3 Mutation Assay to Detect Internal Tandem Duplication (ITD) and Tyrosine Kinase Domain (TKD) Mutations in 1058 Patients with AML and Response to Midostaurin
A. Osgood

H54. Clinical Validation of the Lymph2Cx Assay to Determine the Cell of Origin of DLBCL
D. Abdel Azim

H55. BCR-ABL1 Minor Breakpoint (e1a2) Monitoring Using an Analytically Validated Multiplex Assay
M. Dodge

H56. Droplet Digital PCR Method for Absolute BCR-ABL1 Major and Minor Transcript Quantification
C.A. Schandl

H57. Method Based Validation of 94 Genes Next Generation Sequencing (NGS)-Based Hematologic Malignancy Panel and Confirmation of Variants Using Sanger Sequencing
C.S. Sears

H58. Multiple Highly Concordant Assays Facilitate Clinical Analyses of Samples at Different Scales and Sensitivities
L.M. Chamberlain

H59. Detection of Rare Variant *NPM1* Transcripts Using an Allele Specific Real-Time qPCR Assay Targeting Mutation Types A, B, and D
J.A. Schumacher

H60. Comparison of Clinical Digital Karyotyping by Comprehensive Next Generation Sequencing with Standard Cytogenetic Analysis in Pediatric Leukemia
E.M. Azzato

H61. Sequential NGS-Based Multi-Gene Mutational Analysis in *de novo* Acute Myeloid Leukemia with *RUNX1* Mutation
R. Luthra

H62. A Case Report of Donor-Derived Clonal Hematopoiesis After Allogeneic Stem Cell Transplantation
J. Smith

H63. Acute Promyelocytic Leukemia with Atypical Karyotype and *FLT3* ITD Mutation is Associated with Inferior Clinical Outcome
A. Idrees

H64. High Frequency of *MYD88* L265P Mutation in Ocular Adnexal Marginal Zone Lymphomas and Its Clinical Correlates
A. Behdad

H65. A Balanced Formulation of Dimethyl Sulfoxide and Bovine Serum Albumin Provides Highly Uniform Coverage of CEBPA in a Droplet PCR-Based NGS Panel
S. Mallampati

H66. Next Generation Sequencing-Based Heme Panel Testing for Myeloid Neoplasms at a Tertiary Care Hospital and Cancer Center
K. Shah

H67. Subclonal *CEBPA* Mutations Identified by Deep Sequencing Using a Clinically Validated Deep Sequencing Assay in Acute Myeloid Leukemia
S. Png

Poster Listing

H68. Diagnostic Yield of Somatic Mutation Detection in Hematologic Malignancies Does Not Increase with Additional Mutation Analysis, and Supports More Focused Disease-Specific Testing Models
S. Szelinger

H69. The Utility of SNP-Array Analysis in the Detection of 1p36 Abnormality in t(14;18)-Negative Follicular Lymphoma
L. Wang

H70. Next Generation Sequencing Targeting IGH Demonstrates Clinical Utility in Detection of B-Cell Clonality in Non-Hodgkin Lymphomas
B. Tandon

H71. *JAK2*-Negative Refractory Anemia with Ring Sideroblasts Associated with Marked Thrombocytosis (RARS-T) Occurs More Commonly in Women
M. Hussaini

H72. Next Generation Sequencing Studies in Early Myeloid Neoplasms
C. Soderquist

H73. Correlation of Mutational Burden Detected by Targeted Next-Generation Sequencing with Pathological Disease Burden in Hematological Malignancies.
S.L. Kang

H74. Unique 9q34 Rearrangements in T-ALL: Elucidation and Characterization by Microarray Analysis, RNA Sequencing and FISH
J. Tepperberg

H75. Comparative Study of the Panel Based Validation with Method Based Validation in Myeloid Panel
R. Wu

INFECTIOUS DISEASES

ID01. Evaluation of Cepheid Xpert HIV-1 Qual Assay in Whole Blood for Diagnosis of HIV-1 Infection
S. Lim

ID02. Pathogen Detection by Metagenomic Next Generation Sequencing of Purulent Body Fluids
W. Gu

ID03. Utilization of a Cost-effective High-Throughput Sequencing Approach for Comprehensive Metagenomic Surveillance of Viral Pathogens in Respiratory Specimens
S. Png

ID04. Analytical Validation of an Analyte Specific Reagent (ASR) for *Mycoplasma genitalium* Detection and Point Prevalence Assessment
S. McClellan

ID05. Evaluation of RealStar Pneumocystis Jirovecii PCR Kit 1.0 for Qualitative Detection of *Pneumocystis jirovecii* Pneumonia (PCP) Specific DNA in Respiratory Sample Types
K. Rottengatter

ID06. Evaluation of RealStar *Bordetella pertussis* PCR Kit 1.0 for Qualitative Detection and Differentiation of *Bordetella pertussis* and *Bordetella parapertussis* Specific DNA in Respiratory Samples
K. Rottengatter

ID07. Development of a Quantitative BK Virus PCR Assay on the Luminex ARIES Molecular Diagnostics Platform
T. Her

ID08. Development of a Panfungal Next Generation Sequencing Assay
K.D. Tardif

ID09. Next Generation Nucleic Acid Extraction System: NucliSens eMAG
A.M. McClernon

ID10. HPV: The Use of Full Process Controls to Monitor Extraction Variation
A. Ricketts

ID11. Detection of *Borrelia burgdorferi* DNA by Loop Mediated Isothermal Amplification (LAMP) in Pediatric Synovial Fluids
R.V. Ponaka

Poster Listing

ID12. ITS1 (Internal Transcribed Spacer) Primer Binding Site Polymorphism in Clinical Fungal Isolates
J.F. Mele

ID13. The Film Array Global Fever Panel: Goal of Quick Diagnosis of Infectious Diseases Presenting with Acute Febrile Illness
C. Toxopeus

ID14. Evaluation of Two Molecular Diagnostic Assays for *Clostridium difficile* Infection
G.A. Capraro

ID15. Molecular-Based HPV Screening in Resource Limited Countries
A. Atkinson

ID16. Association of *Clostridium difficile* Molecular Typing with Colonization and Development of *Clostridium difficile* Infection (CDI)
T. Theparee

ID17. Detection of Gram-Negative Bacteria and Antimicrobial Resistance Markers Using the iCubate iC-GN Assay
M.S. Conover

ID18. Real-time Gastrointestinal Illness Surveillance Through Cloud Based Epidemiology Network of Clinical Laboratories
J.M. Ruzante

ID19. WITHDRAWN

ID20. Testing High-Risk Human Papillomavirus on Head and Neck Tumor Tissue Squamous Cell Carcinoma Using a Modified Commercial PCR Assay
A.N. Huho

ID21. Investigation of Differences in Gene Expression by Kanamycin Stress in Multidrug-Resistant *Mycobacterium tuberculosis* with / without *rrs* Mutation Using RNA-Seq
Y. Kim

ID22. Evaluation of a Molecular Point of Care System for the Detection of *Clostridium difficile*
I.O. Op den Buijs

ID23. Dermatomycosis – a Novel and Rapid Detection of Causative Fungal Agents with a DNA-Based Microarray (EUROArray Dermatomycosis)
S. Kosanke

ID24. Performance Comparison of the DiaSorin Simplexa *C. difficile* Direct Assay with the Illumigene *C. difficile* DNA Amplification Assay in Unformed Stool Samples
B.C. Sutton

ID25. Comparison of the Accula Influenza A/B PCR Assay and Alere i Influenza A/B Isothermal Nucleic Amplification Assay for the Detection of Influenza in Adult and Pediatric Populations
S. Young

ID26. Developing High Throughput Urinary Tract Microbiota Profiling Using TaqMan and OpenArray Technologies
K. Li

ID27. Rapid Detection of *Clostridium difficile* with the GenePOC CDiff Assay
A. Zumoberhaus

ID28. Multicenter Evaluation of Cobas HBV Real-Time PCR Assay on the Roche Cobas 4800 System in Comparison with COBAS AmpliPrep/COBAS TaqMan HBV Test: Leading Circle for Cobas 4800 Virology (LCCV) Project
H. Kim

ID29. A Model for Detection of Novel Influenza Incidence in the United States
J.D. Jones

ID30. Comparative Evaluation of ARIES Flu A/B & RSV and Xpert Flu/RSV XC for Simultaneous Detection and Identification of Influenza Viruses A, B and Respiratory Syncytial Virus in Cancer Patients
L. Ling

ID31. Rapid Diagnosis of Bloodstream Infections Through Identification of Pathogens and Resistance Markers Directly from Whole Human Blood at 1 CFU/ml
N. Casali

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ID32. A Clinical Performance Evaluation of QPLEX STI Detection Kit
S. Cho

ID33. Rapid Detection of Respiratory Pathogens with GenMark's ePlex RP Panel
K. Henthorn

ID34. Challenges Associated with Developing Rapid Molecular Diagnostics for Detection of Antibiotic Resistance
M. Stonebraker

ID35. Quantitative Detection of HCV and HBV on NeuMoDx Molecular System
C. Couture

ID36. Validation and Performance of Sequencing-Based Reference Assays for Biocode Gi Pathogen Panel
A. Pham

ID37. Development of a Respiratory Pathogen Panel with an Automated High-Throughput System
S. Mi

ID38. Comparison of Luminex ARIES Vaginosis Panel and BD AFFIRM VPIII for the Detection of *Candida* spp., *Gardnerella vaginalis*, and *Trichomonas vaginalis*
J. Barry

ID39. Clinical Evaluation of the xMAP MultiFLEX ZIKA RNA Assay
A. Walden

ID40. Evaluation of ELITech Group's MGB Alert HSV-1 and HSV-2 ASRs on the Abbott m2000sp/rt Platform
K. Stepaniants

ID41. Comprehensive Women's Health Diagnostic Testing Using Innovative Multiplex PCR Assays
W. Hauser

ID42. Sensitive Detection of Bacterial Targets on the NeuMoDx Molecular System
J. Zhu

ID43. Direct Detection of VZV from Cutaneous, Mucocutaneous and CSF Specimens Using the Simplexa VZV Direct Assay on the DiaSorin LIAISON MDX System
E. Eleazar

ID44. Validation of Human Papilloma Virus Detection in Anal Cytology Specimens on the Cobas 4800 System
L. Helander

ID45. Multicenter Evaluation of Cobas HCV Real-Time PCR Assay on the Roche Cobas 4800 System in Comparison with COBAS AmpliPrep/COBAS TaqMan HCV Test: Leading Circle for Cobas 4800 Virology (LCCV) Project
W. Lee

ID46. Comparison of Cobas HCV GT Against Versant HCV Genotype 2.0 Assays with Confirmation by Sequencing
T. Png

ID47. A Multi-Center Clinical Evaluation of a Sample to Answer Real-Time PCR Assay for Toxigenic *C. difficile* in Symptomatic Subjects
S. Young

ID48. Evaluation of the Focus Diagnostics Simplexa HSV 1 & 2 Direct for Detection and Differentiation of Herpes Simplex Virus 1 and 2 in Neonatal Swab Specimens
K. Gvozdjan

ID49. Performance of NxTag RPP Assay from Luminex
L. Mazur

ID50. Evaluation of the Anyplex MTB/NTM Real-Time Detection (V2.0) for Detection of Nontuberculous Mycobacteria in Respiratory Specimens
H. Kim

ID51. Direct Detection of mRNA in Whole Blood Samples for Transcriptomic Profiling
A. Khine

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ID52. Comparison Between BD Maxwell VP and ACL LDT SwabOne Assay
L.J. Mazur

ID53. Performance Evaluation of the Abbott RealTime CMV IUO Assay on the m2000 Platform Compared to the Roche COBAS AmpliPrep/ TaqMan CMV Assay in Transplant and Immunocompromised Individuals
P.M. Kulling

ID54. Molecular Analysis of Fungal Populations in Patients with Onychomycosis Using Next Generation Sequencing (NGS) and Real-Time PCR
E. Gustafson

ID55. Mosquito Surveillance and Testing for Local Zika Virus in New York City 2016
J. Rakeman

ID56. Monitor Vaginal Microbiota with One Swab: Copan ESwab as Convenient Collection and Transport Device for Cross Platform Molecular Tests of Women's Health
Z. Huang

ID57. Multicenter Clinical Evaluation of a Real-Time PCR Assay for *Bordetella pertussis*
T.S. Uphoff

ID58. A Novel Approach for Sensitive Detection of ZIKV RNA in Whole Blood and Urine Samples
Y. Chen

ID59. Using Independent Run Controls to Monitor Relative Amplification Efficiency of a HAI Assay
J.C. Yundt-Pacheco

ID60. Extreme One-Step RT-PCR: Potential for Point-of-Care Viral Detection.
J.A. Houskeeper

ID61. Performance Evaluation of Commercial Multianalyte Control Materials Calibrated Against the 1st WHO International Standards for Quantification of CMV, EBV and BKV in Transplant Patients
F. Sabato

ID62. Rapid and Sensitive Isothermal Molecular Amplification of Group A Streptococcus (GAS) with Alere i Molecular Platform
N. Moore

ID63. Improved Cost and Turnaround Time Using an Extraction-Free Amplification and Detection Method for Respiratory Viruses in Clinical Specimens
M. Elkan

ID64. Optimization of Metatranscriptomic Method for Rapid and Unbiased Detection of Microbial Pathogens in Bronchoalveolar Lavage Specimens
C. Yin

ID65. Development and Validation of the Alert MGB ASR for BK Virus Quantitative Viral Load Testing on the ELITEe InGenius Sample-to-Answer System
D. Banerjee

ID66. Using Independent Run Controls to Monitor Relative Amplification Efficiency in a STI Assay
J. Yundt-Pacheco

ID67. A Two-Step RT-LAMP Provides Improved Sensitivity for Point of Care Detection of Arboviruses
J. Benzine

ID68. Early Detection of Fungi and Yeast Using Species Specific Dual Amplification PCR (MycoDART) for Clinical Diagnosis.
S.S. Sutton

ID69. Detection of Group B *Streptococcus* Using the Simplexa GBS Direct Assay
R. Martin

ID70. WITHDRAWN

ID71. WITHDRAWN

ID72. Evaluation of the Abbott Real-Time RT-PCR EBV Assay for EBV Detection and Quantification
M. Yoon

Poster Listing

ID73. Concordance of *C. difficile* Detection by Use of a Multiplex Molecular Panel with a Singleplex, Diagnostic Assay
T. Hall

ID74. Detection of Resistance-Associated Substitutions in the Hepatitis C Viral Genome Using the Sentosa SQ Hepatitis C Virus Genotyping Next-Generation Sequencing Assay
M. Campan

ID75. Comparative Evaluation of the Omniplex-HPV and RFMP HPV PapilloTyper for the Detecting of Human Papillomavirus Genotypes in Cervical Specimen
Y. Yoon, Y. Choi

ID76. A Clinical Performance Evaluation of QPLEX STI Detection Kit
S. Cho

ID77. Comparison of the Hologic Panther Fusion Respiratory Assays to BioFire FilmArray Respiratory Panel for Detection of Respiratory Viruses in Children
A. Lebe

ID78. Stability of Zika Virus and Recombinant Zika Controls
H. Greiss

ID79. Evaluation of Cross Reactivity and Inhibitory Effects of Sexually Transmitted and Mosquito Borne Pathogens on Zika Testing Using Aptima Zika Virus Assay on the Fully Automated Panther System
H. Greiss

ID80. Evaluation of the Abbott Real-Time RT-PCR EBV Assay for EBV Detection and Quantification
M. Yoon

ID81. Performance of the Hologic GBS Assay on the Fully Automated Panther Fusion System
C. Hentzen

ID82. HPV Genotypes in Precancerous Lesions and Cervical Cancer of Korean Women
E. Lee

INFORMATICS

I01. An End-to-End Bioinformatics Pipeline Optimized for Somatic Variant Analysis Returns Clinically Actionable Results with a Rapid Turnaround Time
R. Kamal

I02. Informatics to Illuminate Real-World Genetic Test Ordering Practices at a Large Academic Institution
V.A. Arboleda

I03. Real-Time Thermodynamics and Local Variant Display for Primer Selection
Z.L. Dwight

I04. Cloud-Based Somatic Pipeline Development and Validation for Clinical Somatic Variant Detection, Including Large Indels, from Targeted Panels
A. Bolia

I05. A Computational Framework for Large-Scale Analysis of TCRβ Immune Repertoire Sequencing Data on Cloud-Based Infrastructure
L. Lin

I06. A New Allele-Centric VCF File for Variants in ClinVar
M.J. Landrum

I07. Custom-Built Heuristic Approach to Variant Calling Tools Development
D. Thakral

I08. Advancing Genomic Knowledge Curation: Piloting the Use of Enhanced Literature Curation Tools
R.J. Schmidt

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