

PROGRAM

National Molecular Microbiology Diagnostic Users Group Annual Fall Meeting (NMG)

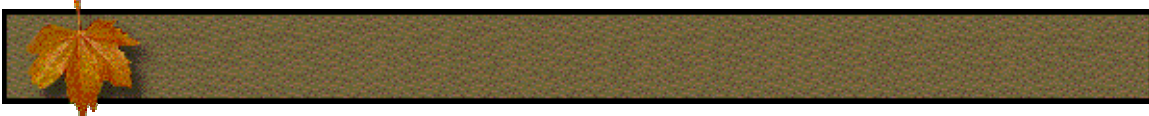
Miller Amphitheatre, Room T2203, Juravinski Tower
St. Joseph's Healthcare, Hamilton ON

Monday October 15, 2007

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|---------------|--|
| 7:30-8:30 am | Breakfast (Sponsored by BD Diagnostics) |
| 7:30-8:30 am | Registration |
| 8:30-8:40 am | Welcome
Dr. Astrid Petrich, NMG Chair |
| 8:40-9:30 am | Implementing Molecular Diagnostics: Considerations when going from the R&D Bench to the Routine Bench.
Justin Lear, Clinical Sales Consultant, BD Diagnostics

Objectives: <ul style="list-style-type: none">• Provide an overview of the major considerations when implementing molecular diagnostics.• Discuss how to win investment dollars from Administrators for new assays.• A brief summary of new developments and future directions for BD in molecular diagnostics. |
| 9:30-10:30 am | Recent Developments in Genetic Analysis and Real-time PCR for Increasing and Improving Workflow.
Alex Robertson, Field Applications Specialist, Applied Biosystems

Objective: To educate the audience of existing and new tools available for Genetic Analysis and RT-PCR that help make the process from sample prep to data analysis faster and easier. |



10:30-11:00 am

Coffee Break (Sponsored by Inter Medico)

10:30-11:00 am

Exhibits

- Copan Diagnostics
- bioMérieux Canada Inc.
- Biotage
- Applied Biosystems Inc
- Spartan Bioscience Inc
- MedOx/Inverness
- EraGen Biosciences, Inc.
- Luminex Molecular Diagnostics Inc.
- BD Diagnostics
- artus/Qiagen
- Gen-Probe

11:00-12:00 pm

Data Analysis, Controls, and Variance: Advanced Topics about Real-Time PCR.

Karine Raymond, Technical Consultant, Roche Diagnostics

Objectives:

The participants will be able to:

- To understand the algorithms and limits of Real Time PCR data analysis.
- To understand the analytical phase of the quality control measures for Nucleic Acid Testing.

12:00-1:00 pm

Lunch (Sponsored by Siemens Medical Solutions Diagnostics Inc)

1:00-1:30 pm

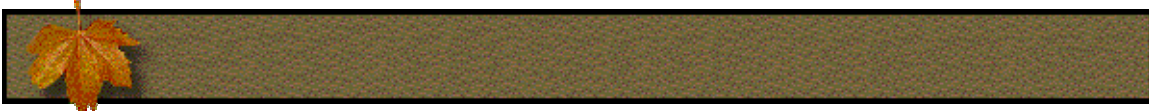
Exhibits

1:30-2:30 pm

HPV DNA Testing for Cervical Cancer Screening.

Dr. Lisa Daniels, Qiagen Inc. Molecular Diagnostics

Objectives:



2:30-3:30 pm

Microbial Identification and Drug Resistance Detection by Pyrosequencing®.

Frank Fischinger, Field Application Scientist, Biotage

Objectives:

- Inform about the Pyrosequencing Cascade and technology
- Understand the application of pyrosequencing technology to detection in the Pyromark instruments
- Interpreting “pyrograms” generated by the system
- Applying technology to clinical applications like microbial and marker identification

3:30-4:00 pm

Coffee Break (Sponsored by Abbott Laboratories)

3:30-4:00 pm

Exhibits

4:00-5:00 pm

Detection of Respiratory Viruses using the xTAG Respiratory Virus Panel (RVP) Test and Luminex xMAP Technology.

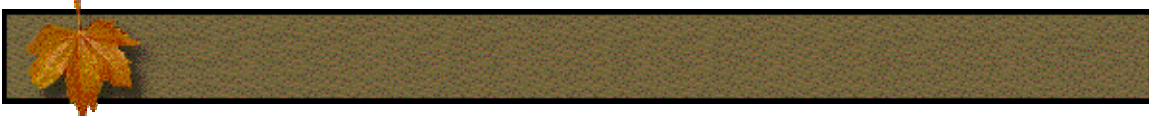
Dr. Jim Mahony, St. Joseph’s Healthcare, McMaster University.

Objectives:

- To review the epidemiology of respiratory virus infections.
- To gain an understanding of the impact of emerging respiratory virus infections in clinical disease.
- To understand the role of multiplex PCR testing for the diagnosis of respiratory viruses.

Evening

Social Event and Dinner sponsored by Roche Diagnostics (space is limited)



**Miller Amphitheatre, Room T2203, Juravinski Tower
St. Joseph's Healthcare, Hamilton ON**

Tuesday October 16, 2007

Chair, Alan McNabb, Vice-President, NMG

7:00-8:00 am **Breakfast (Sponsored by bioMérieux Canada Inc.)**

8:00-9:00 am **West Nile Virus Blood Donor Screening: The CBS Experience**
Dr. Margaret Fearon, Medical Director, Canadian Blood Services

Objectives:

- To understand basic Transmissible Disease donor screening utilized at CBS.
- To get an overview of the evolution of West Nile NAT testing from its implementation in 2003 to 2007.
- To review the data collected on West Nile NAT positive donors over the past 5 years

9:00-9:45 am **Results of the NMG WNV RNA Proficiency Panel.**
Dr. Astrid Petrich, St. Joseph's Healthcare, McMaster University

Objectives:

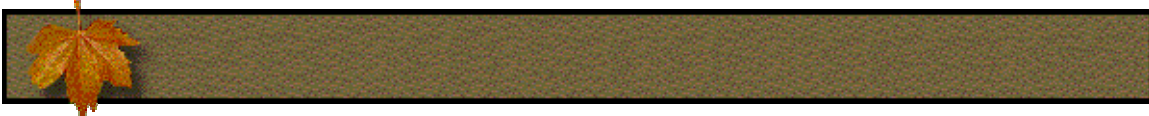
- To describe the set up and testing of a WNV RNA proficiency panel.
- To discuss the results for the WNV RNA proficiency panel sent out by the NMG.

9:45-10:15 am **Coffee Break (Sponsored by Abbott Laboratories)**

10:15-11:00 pm **MUMPS PCR, Managing the Mayhem.**
Dr. Jason LeBlanc, Nova Scotia Public Health Laboratory

Objectives:

- To provide an introduction to mumps and its diagnosis in the laboratory.
- To describe the development and use of Nested RT-PCR and Real-time RT-PCR for the diagnosis of mumps and to examine its cost effectiveness



11:00-12:00 pm **Laboratory Diagnosis of Respiratory Virus Infections using Nucleic Acid Amplification Tests**
Dr. Julie Fox, Alberta Provincial Public Health Laboratory-South

Objectives:

- To describe the impact of changes in respiratory testing on surveillance and outbreak investigations.
- To update clinical and diagnostic information on recently identified respiratory viruses.
- To outline future developments in respiratory virus diagnosis

12:00-1:00 pm **Lunch (Sponsored by CACMID)**

1:00-3:30 pm **Working Groups and Discussion (Closed to Industry)**

Chaired by Dr. Linda Chui

1. Validation and QC of Quantitative Assays
2. Sources of Control Organisms/Standards/Specimens
3. Set up of a molecular laboratory
 - a. Physical requirements
 - b. Trained staff
 - c. Sharing space/equipment with molecular genetics/pathology/immunology etc.
4. Internal Controls
 - a. What do you need?
 - b. When to use them?
5. Tracking/storing specimens for assay development
6. Molecular Assay Surveys/Database
7. QC/QA of in-house, low volume assays
8. Sequencing for identification
9. Royalties, licensing and patents, materials and procedures for assay validation

Objectives:

- To have working groups discuss current issues in molecular diagnostics.
- To allow for an interactive discussion between participants on ideas put forward by the working groups.
- To establish priorities and research objectives for NMG members to work together on.

3:30 pm **Official Close of Meeting**

3:30-4:30 pm **NMG Core Group Meeting**