

Annual Report
Division of Medical Biochemistry
Department of Medicine - Jewish General Hospital
April 1, 2011 - March 31, 2011

I. HIGHLIGHTS OF PAST YEAR

- Upgrade of the laboratory computer system
- Upgrade of the Point-of-Care Testing System
- Purchase of the Roche Cobas 8000 auto-analyzer for the Core Laboratory:
- This analyzer can perform up to 15 million tests per year.
- The design of the Cobas 8000 analyzer ensures a high number of reportable results, contributing to overall cost savings.
- This analyzer enhances the overall workflow efficiency for the laboratory and its environment.

The achievements of the Molecular Microbiology section are as follows:

- Co-development of a new MRSA PCR assay, with Sainte Justine's Hospital
- The validation of new qPCR instrument
- The development of 3 new PCR assays, allowing fast reaction time in adopting adequate health-care measures to avoid the spread of super-bugs
- The extension of the repertoire of molecular assays with the focus on merging better assay quality with cheaper material costs

II. PAST YEAR'S ACTIVITIES

1) Teaching activities

Innovation

A one year Clinical Nutrition Fellowship is offered under the direction of Dr. Shaun Eintracht. The training program will provide opportunities for fellows to develop clinical competence in the field of clinical nutrition. Clinical experience will include opportunities to observe and manage a sufficient number of new and follow-up inpatients and outpatients of all ages including children and older adults, of both sexes, and with a wide variety of common and uncommon nutrition-related disorders.

Partnerships

Development and implementation of a three week Laboratory Training Program for laboratory technologists of Gansu Province, China: This is part of the collaboration between the Jewish General Hospital laboratory and the Ministry of Health, Gansu, China

MacNamara, Elizabeth, MD, FRCPC

Undergraduate, McGill University

-IIM Teaching, March 21, 2011 – May 6, 2011 - 7 week period (42 hours)

-Medical Student Elective (3 week period)

Postgraduate, McGill University

-Resident Supervision/One-on-One Teaching

-McGill Medical Biochemistry Residents (12 month period)

-Journal Club (Ad hoc basis)

Eintracht, Shaun, MD, FRCPC

Undergraduate, McGill University

-Professional Skills Teaching, January 5 – January 28, 2011

Postgraduate, McGill University

-Resident Supervision/One-on-One Teaching

-McGill Medical Biochemistry Resident (6 month period)

-Journal Club, 1 hour per week (10 months per year)

2) Research Activities

The Department of Diagnostic Medicine/Division of Medical Biochemistry is actively collaborating with the other divisions of the Department of Medicine and the Lady Davis Institute in a number of research projects.

3) Clinical Activities

MacNamara, Elizabeth, MD, FRCPC

-CTU attending: 7 North West - 4 weeks

-Consultation Service: Total Parenteral Nutrition - 4 months

Eintracht, Shaun, MD, FRCPC

-Consultation Service: Total Parenteral Nutrition - 4 months

-Specialized Clinical Programs in the Division of Medical Biochemistry:

4) **Academic Staff:** There have been no changes in staffing.

5) Consulting activities

Name of Faculty Member	Private Sector Consulting (# of days)	Public Sector Consulting (# days)	Other (# of days – please explain)	Total
Dr. E. MacNamara		8		8

III OBJECTIVES AND PRIORITIES

- To increase the use of videos in teaching and training, and to start incorporating them into our policies and procedures
- Restructuring of the Microbiology and Core Laboratories, and Test Centre
- Development of tertiary level assays of the Biochemistry section in keeping with those of Hematology and Microbiology. Recruitment of another Ph.D. for Medical Biochemistry, who will be responsible for building up the specialized testing parts of the laboratory.
- Continue to find ways for improving quality of service while reducing expenses and eliminating wastage

Respectfully submitted,

Elizabeth MacNamara, MD
Chief, Division of Biochemistry