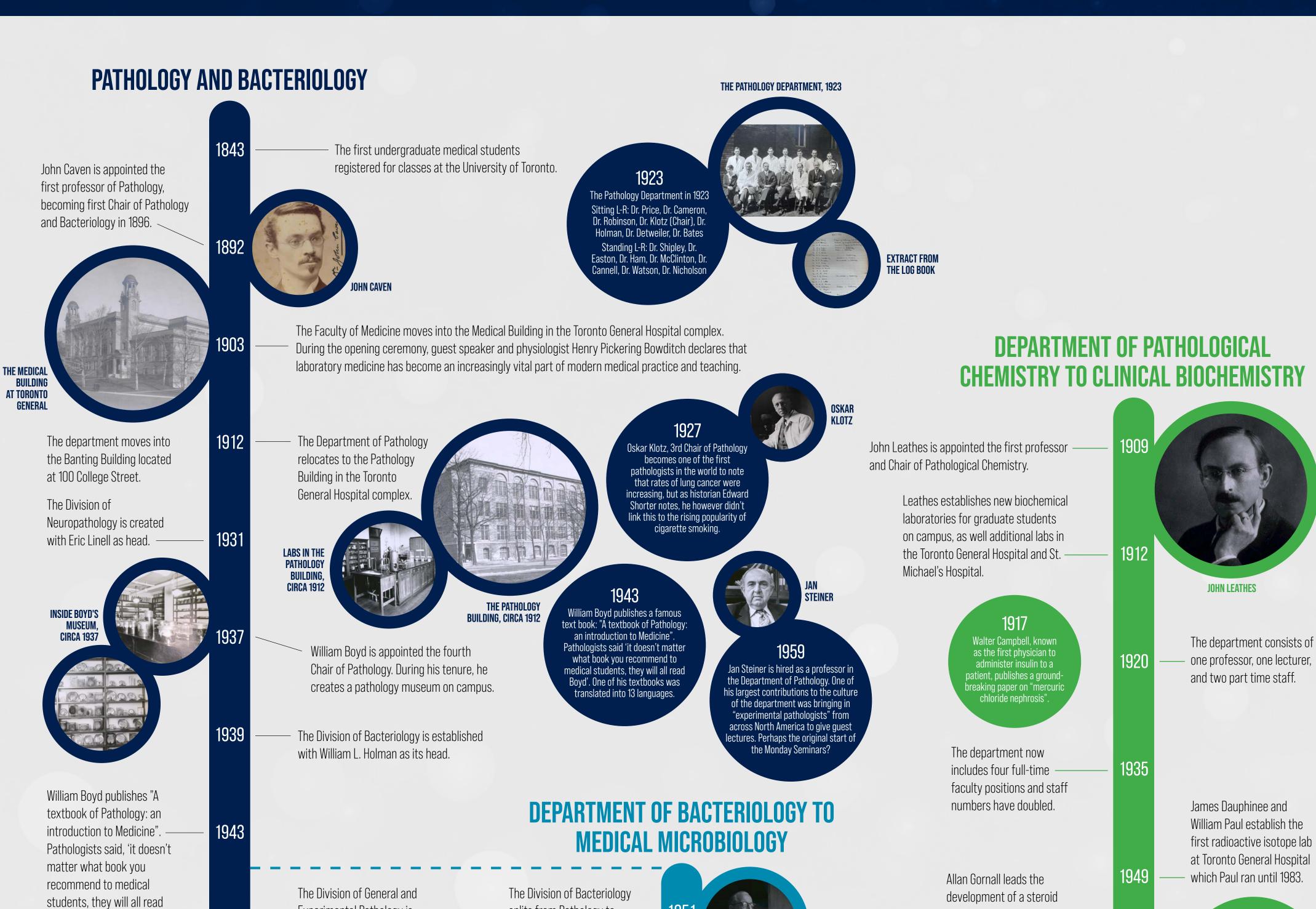
HISTORY OF LMP 1843–1993





The Department of Pathology moves into the new Medical Sciences Building which replaces the old Medical Building built in 1903.

Boyd'. One of his textbooks was

translated into 13 languages.

1968

1969

1976

1979

1987

GENERAL

The Medical Microbiology and Anatomical Pathology residency training programs become Royal College of Physicians and Surgeons of Canada approved programs.



Malcom Silver proposes to merge the departments of Pathology, Clinical Biochemistry and Medical Microbiology into a single department but it is ultimately turned down.

Experimental Pathology is splits from Pathology to become its own department created, led by Henry Movat. chaired by Phillip Greey.

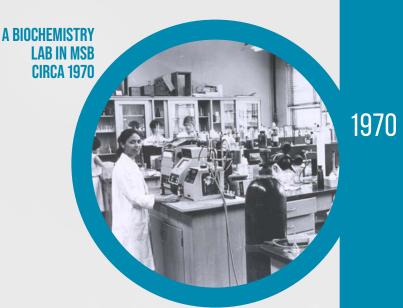


THE MEDICAL SCIENCES BUILDING, 1969

Hematological Pathology is added to the residency training programs.

Neuropathology is added to the residency training programs

The Division of Bacteriology



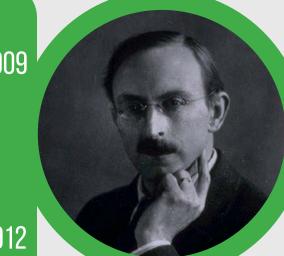
The Department of Bacteriology changes its name to the "Department of Medical Microbiology".

The Department of Medical Microbiology merges with the Department of Microbiology-Parasitology after another vote. 1951

Norman A. Hinton is appointed the third Chair after previously refusing the post due to lack of funding and resources. During his tenure, the department increases research funding and the number of tenured faculty positions. He also creates cross appointments with the Department of Microbiology in the School of Hygiene and laboratories at teaching hospitals.

Staff of the Department of Microbiology-Parasitology, chaired by Rose Shenin, are willing to - merge with Medical Microbiology, but staff of Medical Microbiology votes 22:13 against this action.

CHEMISTRY TO CLINICAL BIOCHEMISTRY



JOHN LEATHES

development of a steroid assay laboratory at Toronto General Hospital. This lab allowed for advances in research of the endocrine system in Toronto across multiple specialties.

James Dauphinee and William Paul establish the first radioactive isotope lab at Toronto General Hospital which Paul ran until 1983.

1949 James Dauphinee notes that residents who wished to pursue scientific research were limited in laboratory 1950 time. He begins working with other departments to enable residents to work at least two years in research labs.

1974



The department launches

first of its kind in Canada.

a diploma course in

The department's

name changes from

Pathological Chemistry

to Clinical Biochemistry.

Clinical Chemistry, the

James Dauphinee creates a Clinical Investigation Unit at Sunnybrook Hospital, acting as its head until 1966.



TEACHING IN CLINICAL **CHEMISTRY IN THE 1960S**

George Williams, chair of the Department of Biochemistry, suggests that Clinical Biochemistry be absorbed into his department due to a stagnation of publication and recruitment.

CHAIRS OF CLINICAL CHEMISTRY CHAIRS OF LMP CHAIRS OF PATHOLOGY CHAIRS OF BACTERIOLOGY/MICROBIOLOGY John Caven Phillip Greey Avrum Gotlieb 1951 1909 John Leathes 1997 1896 John J. Mackenzie Richard Hegele 1900 1967 Arthur E. Franklin 1915 **Andrew Hunter** 2009 Norman A. Hinton Rita Kandel 1923 Oskar Klotz 1970 Victor John Harding 2017 1920 1937 William Boyd 1983 Leslie Spence 1935 **Andrew Hunter** John Hamilton 1992 John Penner 1959 1947 James Dauphinee 1961 Alexander Charles Ritchie 1966 Allan Gornall **Emmanuel Farber** 1975 David Goldberg 1977 1985 Malcom Silver **Andrew Baines** 1988

1974

1983

HISTORY OF LMP 1994–2008



2007 An external review of LMP has become "a preeminent department on international scene'

The Goudge Inquiry into Pediatric Forensic Pathology in Ontario publishes its report. This leads to a major revamp of the practice of forensic pathology in the province with Michael Pollanen and Avrum Gotlieb providing input to the commission. Changes include the establishment, in LMP, of Canada's first residency training program in Forensic Pathology, accredited by the Royal College of Physicians and Surgeons of Canada.

2008

2004

2000

1998

1996

1995

1994



THE ADMIN TEAM, CIRCA 2007

LMP becomes the second most successful clinical department in the Faculty of

Medicine in terms of funding.

LMP FACULTY AT THE SUMMER STUDENTS POSTER PRESENTATIONS IN 2002 LMP REUNION THE CLAMPS TEAM IN 2004

The first LMP Graduate Students Day is held and later that year, the LMP Residents Research Day. (These have now merged to form the LMP Research Day (LMPRC)).

The first LMP Reunion and Awards Banquet is held at Hart House. (now the LMP Annual Celebration of Excellence)

CLAMPS, the graduate student union, is formed.

The Departments of Clinical **Biochemistry, Medical Microbiology** and Pathology form LMP, becoming the largest laboratory medicine and pathology department in Canada with Avrum Gotlieb as Chair.

1997

AVRUM GOTLIEB AT THE LMP FACULTY **RETREAT IN 2001**

establish whether a merger is feasible.

Avrum Gotlieb is appointed acting Chair of Clinical Biochemistry, Medical Microbiology and Pathology with the mandate to develop the merger and a strategic plan to be voted upon by all

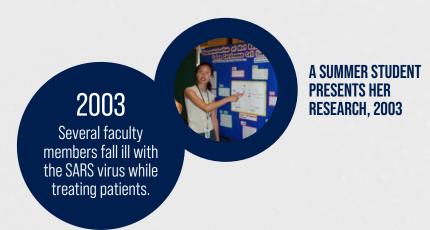
1968 The Division of Experimental Pathology taught undergraduate and graduate students, with research focussed on the "molecular mechanisms underlying pathological processes, with emphasis on inflammation and immunopathology They also supervised a histopathology service to the rest of the Faculty.

Henry Movat was at the time, the only Experimental Pathologist at UofT and reinvigorated the graduate program in the Department of Pathology.

Deciding to proceed with the merger, a new committee was struck to develop a plan.

LMP Celebrates its 10th anniversary with an exhibition at the 58th Annual Meeting of Canadian Association of Pathologists.

LMP expands presence on the 6th floor of the Medical Science Building.



UNDERGRADUATE

STUDENTS AT THE

LMP SUSHI NIGHT

THE LMP SUSHI NIGHT

2001

Undergraduate student

Lena Koh helps found the

LMP undergraduate student

union - LMPSU. One of their

best-known events is the

LMP Sushi Night.

THE FIRST SPECIALIST PROGRAM IN PATHOBIOLOGY GRADUATING CLASS

The new Undergraduate Specialist Program in Pathobiology launches, as well as the LMP undergraduate summer research program. LMP becomes the first clinical department in the Faculty of Medicine to offer a full Specialist Program through the Faculty of Arts and Science.

January 1: The LMP Executive Committee meet for the first time.

- · Division Head of Clinical Biochemistry Eleftherios Diamandis · Division Head of Medical Microbiology - Donald Low
- Division Head of Pathology Wedad Hanna
- · Chair of Clinical Chiefs Committee Laurence Baker
- · Director of Research Lowell Langille
- · Graduate Coordinator Dittakavi Sarma · Director of Education - Douglas Templeton

members of the three departments to create a new entity.

The first meetings are held between the **The Pinkerton Committee:** departments of Pathology and Clinical Biochemistry to discuss a potential merger. The Pinkerton Committee is established by Dean Arnold Aberman to

- Peter Pinkerton (Pathology)
- · Sylvia Asa (Pathology) Andrew Baines (Clinical
- Biochemistry)
- · Larry Becker (Pathology)
- · Peter Bunting (Clinical Biochemistry) · Eleftherios Diamandis (Clinical
- Biochemistry) · lan Dubé (Pathology)
- · Ori Rotstein (Surgery, Inst. Medical Science)
- · Malcolm Silver (Pathology)
- · Douglas Templeton (Clinical Biochemistry)
- · Cecil Yip (Vice-Dean, Research, Faculty of Medicine)
- The committee also collaborates with Paul Sadowski, Chair of "The Medical Genetics - Microbiology Committee" regarding the issues of medical microbiologist being included in the merger.

LMP SNAPSHOT 1997

FACULTY

212 PRIMARY APPOINTMENTS

64

CROSS APPOINTMENTS

9 TENURED/TENURE STREAM 214

LEARNERS

122 DOCTORIAL GRADUATE STUDENTS

25

RESIDENTS

67 POSTDOCTORAL TRAINEES AND CLINICAL RESEARCH FELLOWS

\$10,923,359

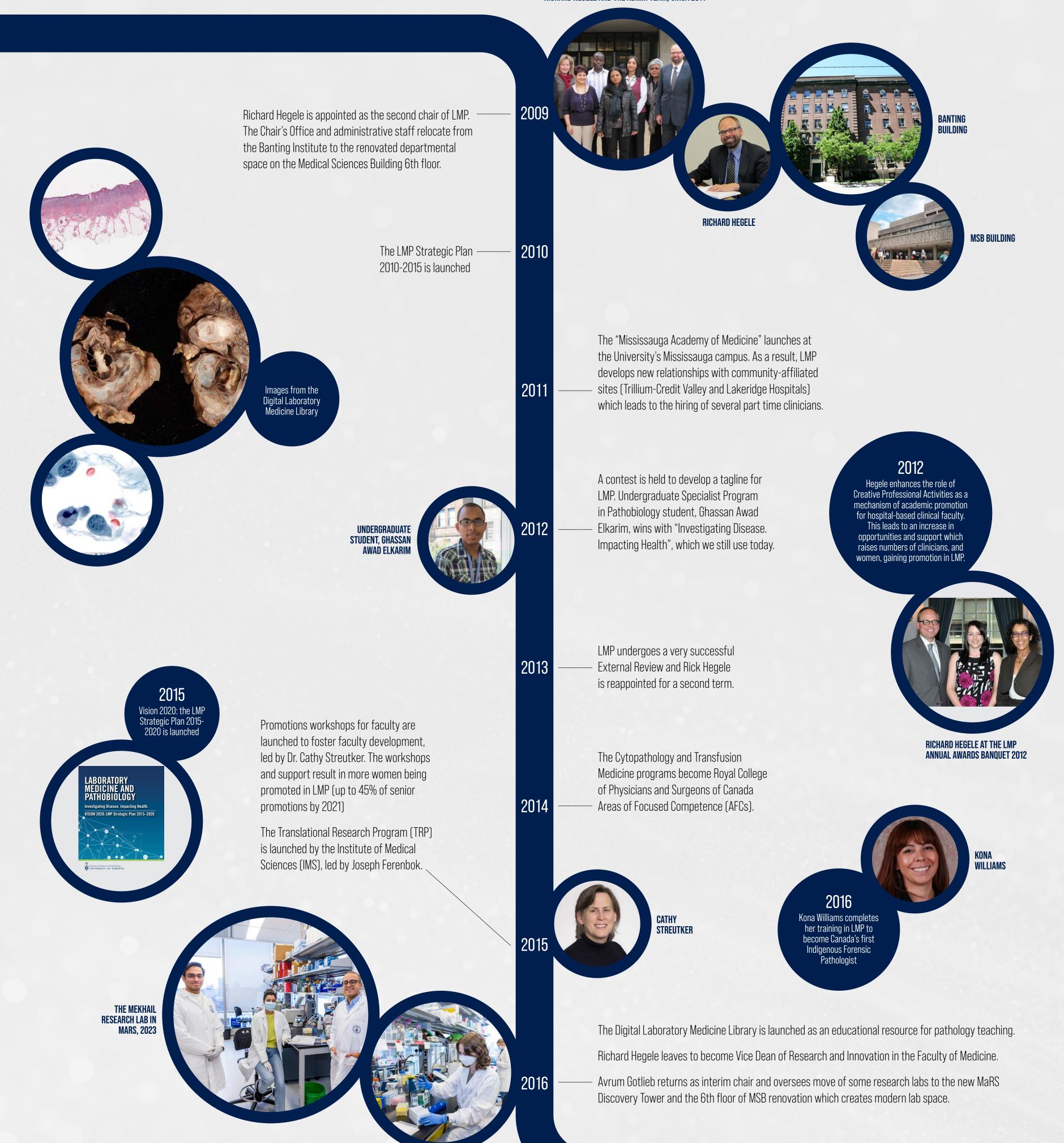
RESEARCH FUNDING FOR THE 1996/1997 ACADEMIC YEAR

Key areas of research include "cardiovascular disease, immunopathology and infectious diseases, neurobiology, endocrinology and metabolism, neoplasia, bone and connective tissue disease, clinical and molecular epidemiology and biotechnology".

HISTORY OF LMP 2009–2016







HOW THE MSB LABS HAVE EVOLVED

LABS IN MSB IN THE 1970S

A LAB IN MSB CIRCA 1970



THE OHH RESEARCH LAB IN MARS, 2023



MSB LABS, 2005

MICHAEL OHH IN THE

THE MSB LABS TODAY



THE MSB LABS TODAY (2023)

HISTORY OF LMP 2017–2023





PURNA JOSHI SPEAKS

AT THE LMPRC 2023

A new role of Vice Chair Wellness, Inclusion, Diversity and Equity (WIDE) is created, shared by Isabelle Aubert and Gino Somers as well as a Vice Chair Global Health. Michael Pollanen.

LMP launches the "Strategic Plan 2023-2028: enabling people to be their best" to fulfil LMP's mission to "prepare future leaders in laboratory medicine and pathobiology and improve the health outcomes of individuals and populations through the integration of innovative research, education, and clinical practice."

LMP holds its first ever Faculty Development Day. –

A new program is launched in partnership with the Department of Computer Science – the MScAC in Artificial Intelligence in Healthcare, led by Anna Goldenberg.



THE LMP FACULTY DEVELOPMENT DAY 2023

T-CAIREM receives the Champions Award for the Institution of the Year from AlMed.

Graduate student Atefeh Mohammadi wins the U of T 3-minute thesis competition and represents the University of Toronto at the Provincial level.

CLINICAL EMBRYOLOGY STUDENTS WITH TED BROWN (FAR LEFT) AND HEATHER SHAIPRO (FAR RIGHT), 2022

20

MHSC LAB MED

CE STUDENTS

2020

2019

2017

PATHOLOGISTS' ASSISTANT STUDENTS WITH FANG-I LU (FAR RIGHT), Avrum Gotlieb (Middle) and Will Tsui (Far right)

LMP undergoes another successful External Review and Rita Kandel is reappointed for a second term.

The LMP Art Competition is launched, showcasing microscopy images.

The graduate student mentoring program is launched jointly with the Graduate Office and CLAMPS. A committee of staff, students and alumni match over 40 mentees with student and alumni mentors in the first year.

2021

GRADUATE STUDENT KUGANYA
NIRMALARAJAH WITH HER
ALUMNI MENTOR, ALISON FOO

The MHSc in Laboratory medicine holds its first white

coat ceremony as Pathologists' Assistant and Clinical

On July 1, LMP turned 25 years old

Embryology students start training in clinical laboratories.

Paula Nixon is recognized for her work in the transition to CBME by being the first recipient of the Dan Stojimirovic Career Achievement Award from the Postgraduate Administrators Advisory Committee (PAAC) at U of T in 2022.



2020
Samira Mubareka and Robert Kozak are part of the team that isolates the novel coronavirus in Canada. An important step in understanding the virus at the centre of the COVID-19 outbreak and part of the significant impact made by LMP faculty and learners during the pandemic.

impact made by LMP faculty learners during the pander

ROBERT KOZAK AND Samira Mubareka

2019
Myron Cybulsky receives
the inaugural LMP
Outstanding Mentor Award
for his mentorship of
Sonya MacParland.

MHSC LAB MED PA STUDENT

The MHSc in Translational Research (TRP) relocates to LMP from the Institute of Medical Sciences (IMS)

An LMP initiative, led by Stephen Girardin, leads to the creation of the internal grant review system in the Faculty of Medicine.

Leadership Training grants for faculty are launched to develop leadership skills in the department and partner institutes.

The summer undergraduate research program is rebranded and expanded by Jeff Lee, becoming the SURE Program.

Department of Computer Sciences.

THE TRP WITH FRIENDS AND FAMILY

2015 – 2020 382 faculty members in LMP publish over 10,800 scholarly articles.

The professional graduate program, the MHSc in Laboratory Medicine (Clinical Embryology and Pathologists' Assistant

fields), is launched, led by Avrum Gotlieb, Juan Putra (now Fang-I Lu), Heather Shapiro, Ted Brown and George Yousef.

The Temerty Centre for Artificial Intelligence Research and Education in Medicine (T-CAIREM) is created. Expansion into

artificial intelligence is cemented with recruitment of Al professors: Bo Wang and Rahul Krishnan in partnership with the

Competency-Based Medical Education (CBME) for residency programs was implemented by the Royal College of Physicians.

LMP's Forensic Pathology program is one of the first residency programs in Canada to transition to the new model.

 The Raymond Chang Foundation is established for Forensic Fellowships - the first fund in the world that enables young physicians from the developing world to train in forensic pathology and ultimately strengthen forensic capacity in their own countries.

The Continuing Professional Development (CPD) program at LMP is launched for Pathologists and Pathology Fellows, led by Anna Plotkin.

Six new Vice Chair roles are appointed as the Executive Committee undergoes restructuring.

The LMP Faculty Mentorship Program launches.

The Quality Council is established, led by Khosrow Adeli, with the aim to harmonize clinical laboratory quality systems across the region.

The Pathology Resident Bootcamp is launched by Carlo Hojilla to help prepare trainees as they start their residencies.

The Wellness, Inclusion, Diversity and Equity (WIDE) committee is established, led by Isabelle Aubert.



RITA KANDEL

Rita Kandel, Chief of
Pathology and Laboratory —
Medicine at Mount Sinai
Hospital, is appointed as
the third Chair of LMP.

LMP SNAPSHOT 2021

445

FACULTY

43% FEMALE

57%MALE

338
PRIMARY APPOINTMENTS

107
CROSS APPOINTMENTS

16
TENURED/TENURE STREAM

487
LEARNERS

93

UNDERGRADUATES

96

PROFESSIONAL

MASTERS

S RESIDENTS

43
POSTDOCTORAL TRAINEES AND CLINICAL

215

40

RESEARCH FELLOWS

217

ATTENDEES AT CONTINUED PROFESSIONAL

DEVELOPMENT (CPD) EVENTS

DOCTORIAL GRADUATE STUDENTS

\$42,800,000

RESEARCH FUNDING FOR THE 2020/2021 ACADEMIC YEAR

Key areas of research include "Artificial Intelligence in healthcare, Brain and Neuroscience, Cancer, Cardiovascular, Genetics, genomics and proteomics, Hematopathology, Human development, aging and regenerative medicine, Infectious diseases and immunopathology, Metabolism and nutrition, Molecular and cellular biology"