

PATHOLOGY AT A GLANCE

Department of Pathology & Laboratory Medicine 2015-2016

The UBC Department of Pathology and Laboratory Medicine is the academic home to a wide variety of exceptional individuals who create and convey knowledge into the causes and mechanisms of disease, enabling its translation into improved diagnosis, prognosis and management of patients and populations, and who provide education to medical and allied health professions.

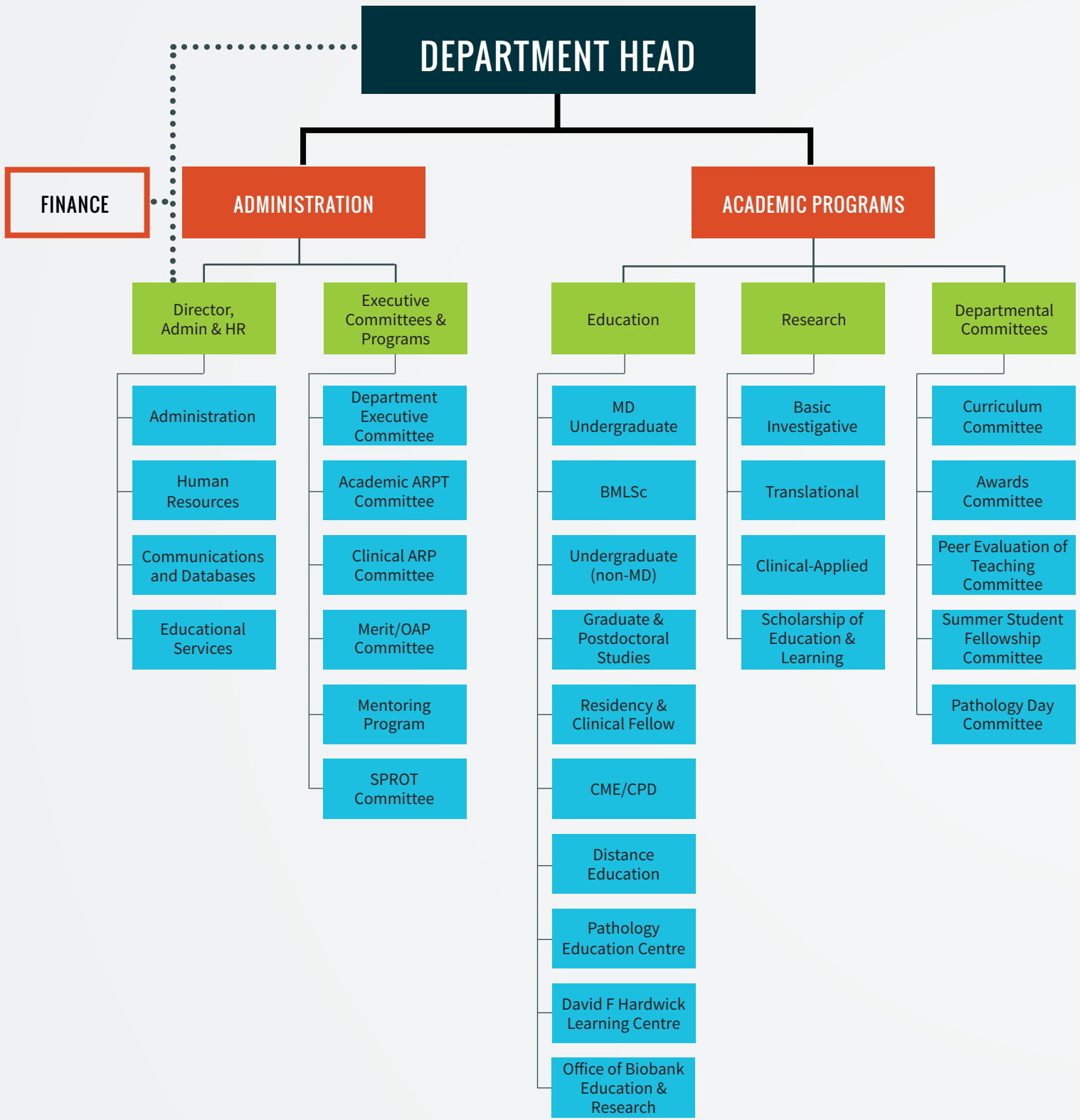


a place of mind

THE
UNIVERSITY
OF BRITISH
COLUMBIA

DEPARTMENT OF PATHOLOGY
& LABORATORY MEDICINE

PATHOLOGY ORGANIZATIONAL CHART



UBC-AFFILIATED
PATHOLOGY & LABORATORY
MEDICINE DIAGNOSTIC
SERVICES

Anatomical Pathology

Cytopathology

General Pathology

Molecular Pathology

Hematopathology

Medical
Biochemistry

Medical
Microbiology

Neuropathology

Pediatric Pathology

Transfusion Medicine

ASSIGNABLE SPACE

33,226 (ft²) TOTAL

898 (FT²)
ST. PAUL'S HOSPITAL
Providence Phase I

5,282 (FT²)
**BC CHILDREN'S &
WOMEN'S HOSPITAL**

UBC HOSPITAL
1,339 (FT²)
Purdy Pavilion

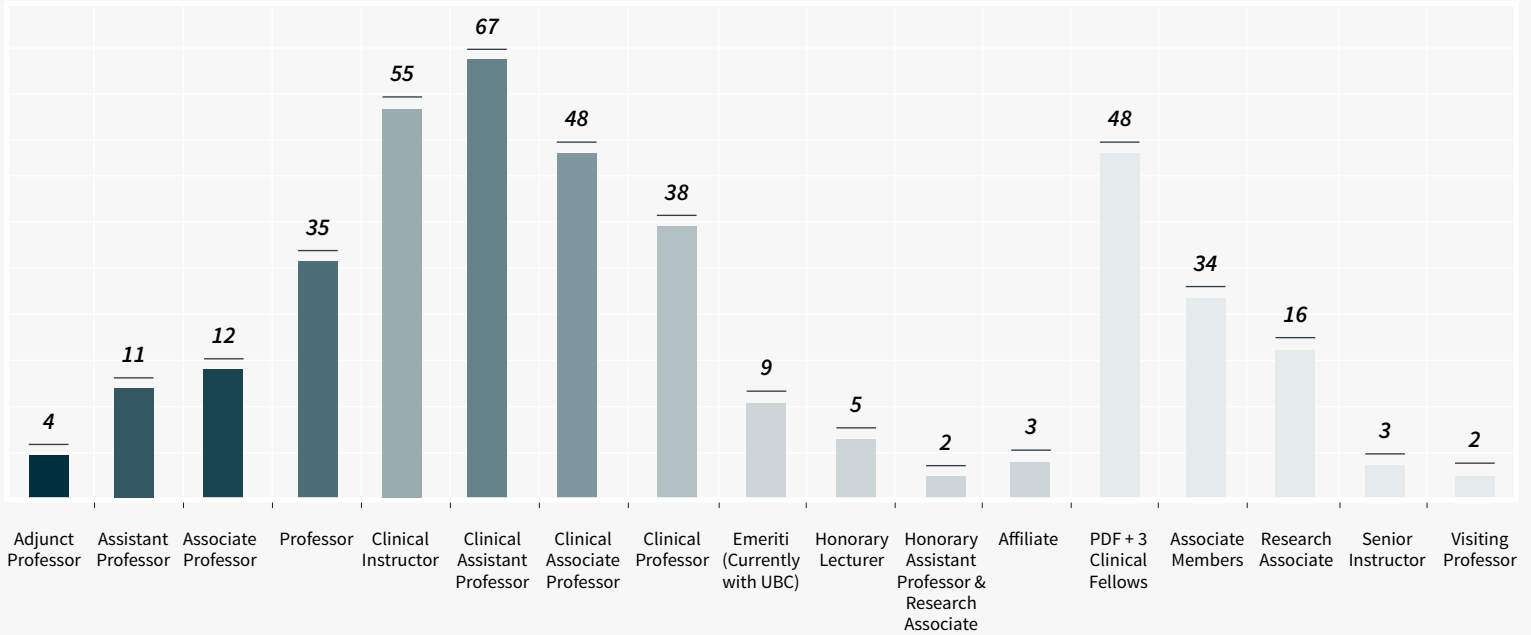
VGH
2,164 (FT²)
Gordon & Leslie Diamond
Health Care Centre

16,327 (FT²)
Koerner Pavilion

7,216 (FT²)
Jim Pattison Pavilion North

FACULTY BY RANK

TOTAL: 358 (+ 34 ASSOCIATE MEMBERS)

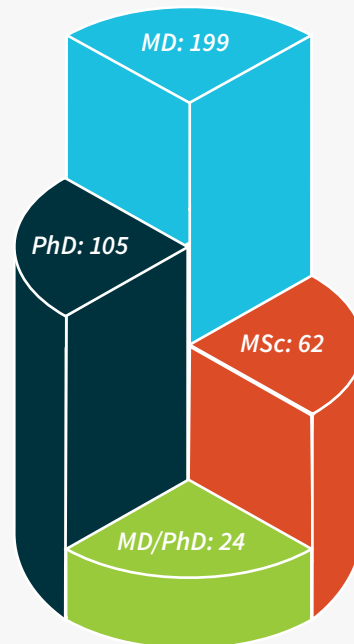


FACULTY BY DEGREE

EXCLUDING: PDF, RESEARCH ASSOCIATE, ASSOCIATE MEMBERS & VISITING MEMBERS

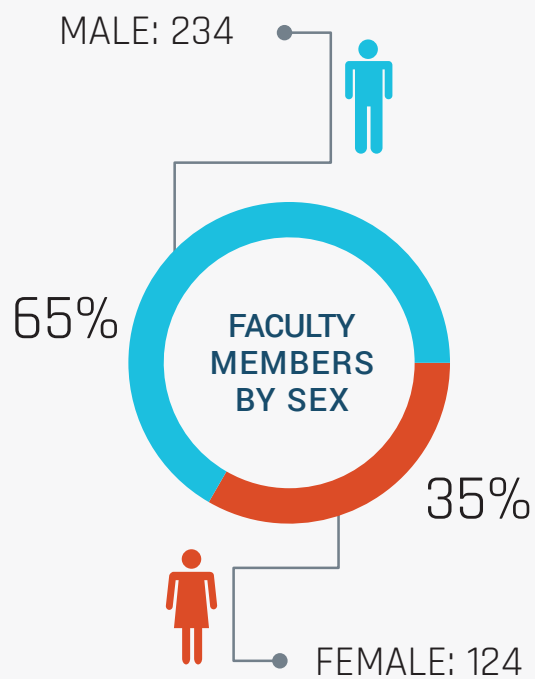
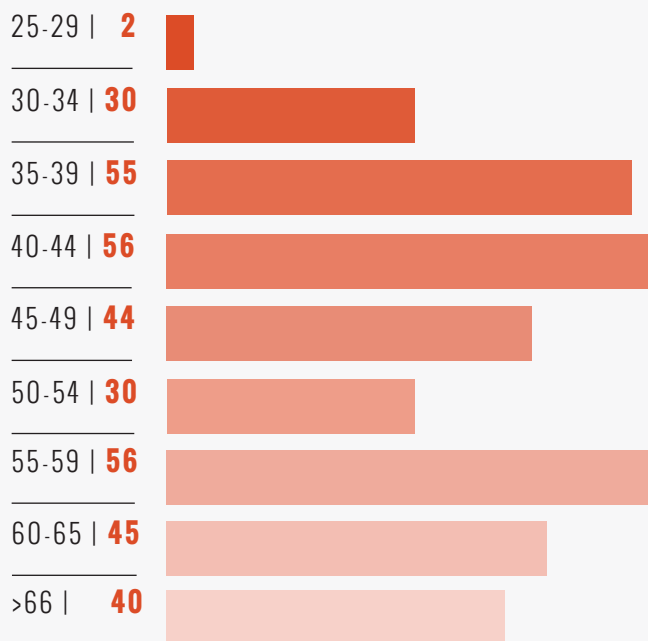
- **199** Doctor of Medicine (MD)
- **105** Doctor of Philosophy (PhD)
- **62** Master of Science (MSc)
- **24** Doctor of Medicine (MD) / Doctor of Philosophy (PhD)

4 Faculty Members with MD, MSc & PhD



FACULTY BY AGE GROUP

EXCLUDING ASSOCIATE MEMBERS



EMPLOYEE GROUPS

STAFF APPOINTMENTS

- 7 *Secreterial/Clerical (CUPE 2950)*
- 27 *Management and Professional*
- 50 *Non-Union Technicians & Research Assistants*
- 58 *Student Services Appointees*

FACULTY APPOINTMENTS

- 78 *Adjunct, Honorary, & Academic Faculty*
- 208 *Clinical Faculty*
- 9 *Emeriti (Currently with UBC)*
- 63 *PDF, Research Associates & Visitors*

FACULTY BY MEDICAL PROGRAM & SITE

TOTAL: 358 (EXCLUDING ASSOCIATE MEMBERS)

NORTHERN [6]

Fort St. John Hospital [1]

Wrinch Memorial Hospital Hazelton [1]

Mill Memorial Hospital Terrace [1]

Prince George Regional Hospital [3]

ISLAND [21]

Nanaimo Regional General Hospital [2]

Royal Jubilee Hospital, Victoria [19]

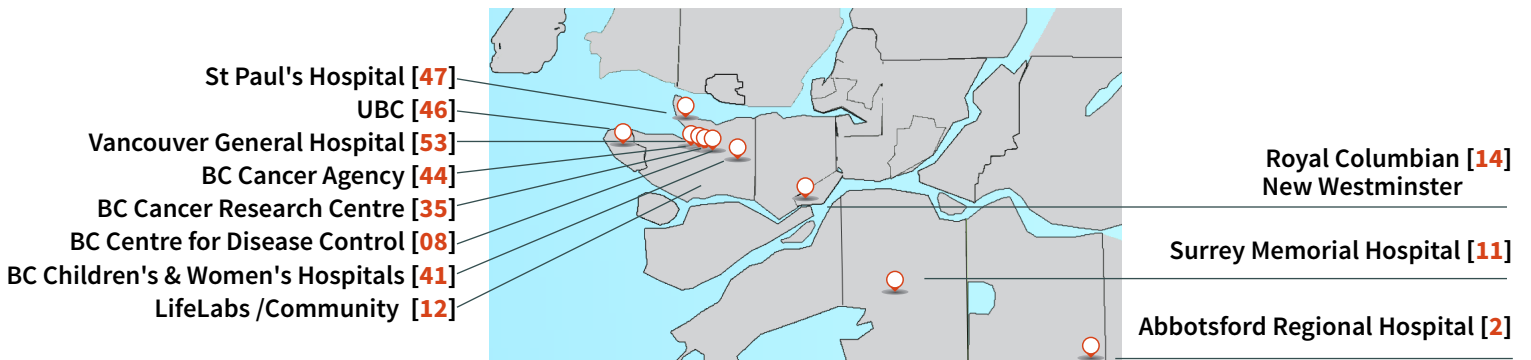
SOUTHERN [18]

Royal Inland Hospital Kamloops [4]

Vernon Jubilee Hospital [2]

Kelowna General Hospital [12]

VANCOUVER/FRASER [313]



AFFILIATED CLINICAL ACADEMIC FACILITIES

2015/16

01

CLINICAL ACADEMIC CAMPUSES

01. BC Children's and Women's Hospital
02. BC Cancer Agency - Vancouver
03. Vancouver General Hospital & related facilities
04. St. Paul's Hospital
05. Royal Columbian Hospital
06. Surrey Memorial Hospital
07. Royal Jubilee Hospital
08. Victoria General Hospital
09. Kelowna General Hospital
10. University Hospital of Northern BC

02

UBC AFFILIATED RESEARCH CENTRES

01. Biomedical Research Centre
02. Brain Research Centre
03. Centre for Blood Research
04. Centre for Molecular Medicine & Therapeutics
05. ICORD
06. BC Centre for Disease Control
07. Centre for Heart and Lung Innovation
08. BC Cancer Research Centre

03

AFFILIATED REGIONAL CENTRES

01. Lion's Gate Hospital
02. Richmond Hospital
03. Abbotsford Regional Hospital & Cancer Centre
04. Chilliwack General Hospital
05. Royal Inland Hospital, Kamloops
06. Vernon General Hospital
07. Penticton General Hospital
08. Nanaimo Regional Hospital
09. Island Affiliated Regional Centres
(Campbell River, Comox, Duncan)

04

COMMUNITY EDUCATION FACILITIES

01. Burnaby General Hospital

05

UBC AFFILIATED RESEARCH INSTITUTES

01. Child and Family Research Institute
02. Providence Health Care Research Institute
03. Vancouver Coastal Research Institute

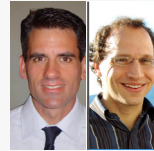
AWARD RECIPIENTS

2015/16

EXTERNAL AWARDS 2015



APARICIO, SAM Professor
Award Sponsor: The Canada Research Chairs (CRCP)
Award Name: Canada Research Chair Tier 1



HOLMES, DAN Clinical Associate Professor
MATTMAN, ANDRE Clinical Associate Professor
Award Sponsor: Canada Health Infoway
Award Name: Judges' Choice Award



CHURG, ANDREW Professor
Award Sponsor: Pulmonary Pathology Society
Award Name: Lifetime Achievement Award



HUNTSMAN, DAVID Professor
Award Sponsor: The Canada Research Chairs (CRCP)
Award Name: Canada Research Chair Tier 1



DEVINE, DANA Professor
Award Sponsor: Canadian Academy of Health Sciences
Award Name: Canadian Academy of Health Sciences Fellow



LANGE, PHILIPP Assistant Professor
Award Sponsor: The Canada Research Chairs (CRCP)
Award Name: Canada Research Chair Tier 2



GRANT, JENNIFER Clinical Assistant Professor &
WONG, TITUS Clinical Assistant Professor
Award Sponsor: Health Employers Association of BC
Award Name: Collaborative Solutions (Award of Merit)



MACKENZIE, IAN Professor
Award Sponsor: Vancouver Acute Medical, Dental + Allied Staff Association
Award Name: Scientific Achievement Award



HARDWICK, DAVID, Professor Emeritus
Award Sponsor: British Columbia Medical Association
Award Name: Dr. Cam Cody Medal of Excellence



MCMANUS, BRUCE Professor
Award Sponsor: Canadian Blood Services
Award Name: Lifetime Achievement Award

Award Sponsor: International Academy of Cardiovascular Sciences
Award Name: Howard Morgan Award for Distinguished Achievements in Cardiovascular Research

UBC & FACULTY OF MEDICINE AWARDS 2015



MCMANUS, BRUCE Professor
Award Sponsor: Faculty of Medicine
Award Name: Overall Excellence - Senior Faculty



VERCHERE, BRUCE Professor
Award Sponsor: Faculty of Medicine
Award Name: Excellence in Mentoring Early Career Faculty

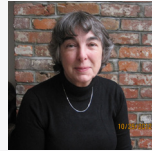


SHAH, SOHRAB Associate Professor
Award Sponsor: Faculty of Medicine
Award Name: UBC Killam Research Prize

DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE AWARDS 2015



BERTANJOLI, DEBBIE Database Manager
Award Sponsor: Pathology & Laboratory Medicine
Award Name: Staff Service Award in the Administration Category



ISSA, MARIA Clinical Associate Professor
Award Sponsor: Pathology & Laboratory Medicine
Award Name: Most Valuable Player



GADAWSKA, IZABELLE Research Assistant
Award Sponsor: Pathology & Laboratory Medicine
Award Name: Staff Service Award in the Technologist/Technician Category



KARSAN, ALY Professor
Award Sponsor: Pathology & Laboratory Medicine
Award Name: Excellence in Research and Discovery



GASCOYNE, RANDY Clinical Professor
Award Sponsor: Pathology & Laboratory Medicine
Award Name: David Hardwick Lifetime Achievement



PUDEK, MORRIS Clinical Professor
Award Sponsor: Pathology & Laboratory Medicine
Award Name: Excellence in Research and Discovery



HALEY, LAWRENCE Clinical Associate Professor
Award Sponsor: Pathology & Laboratory Medicine
Award Name: Excellence in Education



SHAH, SOHRAB Associate Professor
Award Sponsor: Pathology & Laboratory Medicine
Award Name: Early Career Excellence in Research and Discovery

PATHOLOGY RESIDENCY and BMLSc PROGRAMS AWARDS 2015



HALEY, LAWRENCE Clinical Associate Professor
Award Sponsor: Pathology Residency Program
Award Name: Dr. Melvyn Bernstein Resident Teaching Award (for non-AP staff)



GARAND, MATHIEU Postdoctoral Fellow
Award Sponsor: PALM BMLSc Program
Award Name: Graduates' Choice for Teaching Excellence Award



NIELSEN, TORSTEN Professor
Award Sponsor: Pathology Residency Program
Award Name: Dr. Roberta Miller Resident Teaching Award (for AP Staff)



XENAKIS, JENNIFER BMLSc Honorary Lecturer
Award Sponsor: PALM BMLSc Program
Award Name: Graduates' Choice for Teaching Excellence Award



PUDEK, MORRIS Clinical Professor
Award Sponsor: PALM BMLSc Program
Award Name: Graduates' Choice for Teaching Excellence Award



BRADLEY, AMANDA Senior Instructor
Award Sponsor: PALM BMLSc Program
Award Name: The Reid Memorial CUP

EDUCATIONAL PROGRAMS

BMLSc PROGRAM

The Bachelor of Medical Laboratory Science (BMLSc) is an undergraduate science degree in the Faculty of Medicine:

• Number of Students	43
• Program Courses (PATH:15; non PATH: 3)	18
• Program Credits	67
• Instructors (Faculty, Technologists, Others)	85
• Lecture Hours	980
• Other types of Instruction - hours	250

UNDERGRADUATE COURSES

The Department of Pathology and Laboratory Medicine offers several stand alone undergraduate courses:

	# Credits	# Students
• PATH 375	3	74
• PATH 417	3	21
• PATH 437/Micb407	3	30
• PATH 438	6	7

THE INFECTION PREVENTION AND CONTROL (IPC) CERTIFICATE

The IPC Certificate is a continuing education certificate designed to meet the basic educational needs of front line health care professionals in, or considering a career in, the field of infection prevention and control:

	# Credits	# Students
• PATH 427	3	13
• PATH 451	3	2
• PATH 467	3	12
• PATH 477	3	11

PATHOLOGY MEDICAL UNDERGRADUATE TEACHING MD UNDERGRADUATE PROGRAM

The Department provides teaching in all four years of the undergraduate curriculum:

	1st & 2nd year	# Of Instructors	# Hours
• Lectures		41	104
• CPCs		57	224
• PBL sessions		8	

4th year Electives: 49 students; 169 weeks

RESIDENCY PROGRAM

There is a wide variety of specialties and areas of practice that medical residents may consider to pursue:

Program of Study	# Residents
• <i>Anatomical Pathology</i>	22
• <i>General Pathology</i>	1
• <i>Neuropathology</i>	2
• <i>Hematopathology</i>	8
• <i>Medical Microbiology</i>	5
• <i>Medical Biochemistry</i>	0
• <i>Fellows</i>	4

This includes both MOH and Visa trainees and does not include the off-service & visiting residents that rotate through the various Pathology Residency Programs.

GRADUATE STUDIES

Graduate Studies at the Department of Pathology and Laboratory Medicine offers three degree programs: MSc; PhD; MD/PhD Program:

Program of Study	# Students
• <i>MSc</i>	28
• <i>PhD</i>	46
• <i>MD/PhD Program</i>	4
• <i># of Supervisors</i>	40

Total # of Students = 78

GRADUATE COURSES

CORE PATHOLOGY COURSES

- PATH 501: Foundations of Human Histopathology (2 credits)
- PATH 502: Current Topics in Pathology Research (2 credits)
- PATH 535/635: Graduate Studies Seminar (GSS) (2 credits)

RECOMMENDED PATHOLOGY COURSES

- PATH 547 (3 credits) Techniques in Molecular Biology and Experimental Pathology

ELECTIVE PATHOLOGY COURSES

- PATH 518B (3 credits) Pulmonary Pathophysiology
- PATH 521 (3 credits) Introduction to the Pathogenesis of Human Disease
- PATH 530 (3 credits) Nutrition and Metabolic Aspects of Human Disease
- PATH 531 (3 credits) Molecular and Cell Biology of Cancer
- PATH 570 (3 credits) Cardiovascular Pathophysiology

DIRECTED STUDIES COURSES

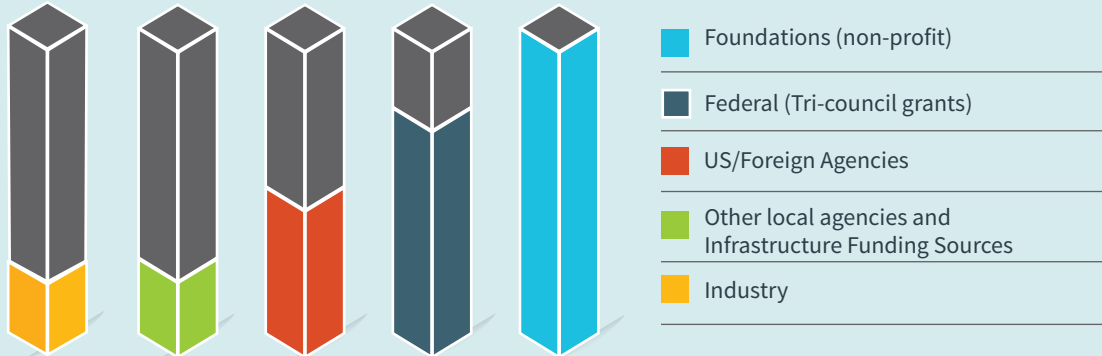
- PATH 548C (3 credits) The Pathophysiology of Types 1 and 2 Diabetes
- PATH 548K (3 credits) Hemostasis Biochemistry
- PATH 548L (3 credits) Experimental Design and Considerations for Data Collection, Presentation, Analysis and Interpretation
- PATH 548Q (6 credits) Human Pathology

RESEARCH

(INCLUDES FUNDS HELD AT BOTH UBC AND AGENCIES)

RESEARCH FUNDS

1,221,250 1,229,933 4,086,693 7,310,113 8,656,962



Total: \$22,504,950

RESEARCH FUNDS -
SUM OF AMOUNT FUNDED

\$8,656,962
FOUNDATIONS (NON-PROFIT)
39%

\$7,310,113
FEDERAL (TRI-COUNCIL GRANTS)
33%

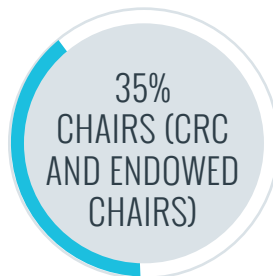
\$4,086,693
US/FOREIGN AGENCIES
18%

\$1,229,933
OTHER LOCAL AGENCIES AND
INFRASTRUCTURE FUNDING
SOURCES
5%

\$1,221,250
INDUSTRY
5%

SUM OF AMOUNT FUNDED
PERSONNEL AWARDS

Total: \$2,022,463



\$707,705



\$670,851

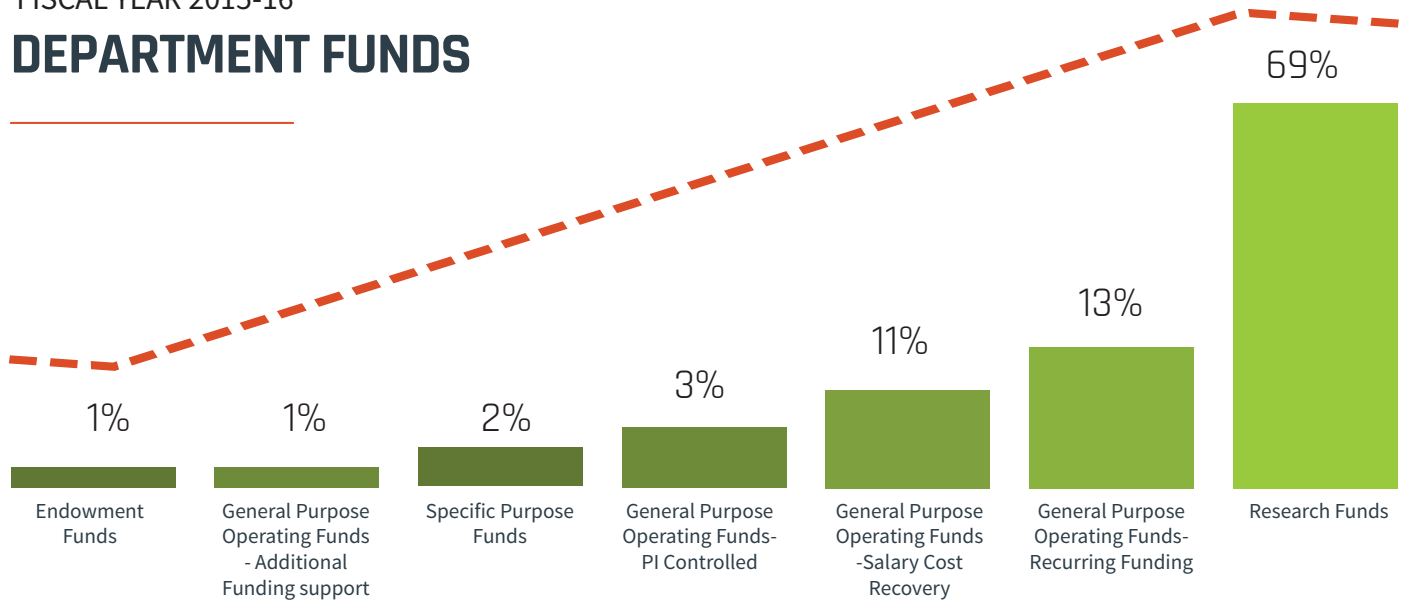


\$643,907

REVENUE & BUDGET

FISCAL YEAR 2015-16

DEPARTMENT FUNDS



Total: \$32,460,014

DEPARTMENT FUNDS FISCAL YEAR 2015/16

\$3,482,946
GENERAL PURPOSE
OPERATING FUNDS -SALARY
COST RECOVERY

Funds recovered for salaries by bill back arrangement with partner institutions

\$430,383
GENERAL PURPOSE
OPERATING FUNDS -
ADDITIONAL FUNDING SUPPORT

Non-recurring/one-time support for dept. i.e. Head's support, research overhead, and CRC overhead returns

\$22,416,745
RESEARCH FUNDS

Funds awarded to individuals or groups from various research granting agencies

\$1,134,572
GENERAL PURPOSE
OPERATING FUNDS- PI
CONTROLLED

Revenue generated from fee for service accounts and misc. accounts

\$200,365
ENDOWMENT FUNDS

Funds generated from endowments

\$4,204,508
GENERAL OPERATING FUNDS
FROM UBC

General purpose operating funds-recurring funding

\$590,496
SPECIFIC PURPOSE FUNDS

Funds from PGME, contracts and agreements

GENERAL PURPOSE OPERATING (GPO) BUDGET

	2014-15 ACTUALS	2015-16 ACTUALS	2016-17 PLAN
GPO – Recurring Funding	\$4,222,453	\$4,204,508	\$4,204,508
GPO – Non-recurring/one-time support	\$761,897 **	\$430,383	\$468,034
TOTAL REVENUE	\$4,984,350	\$4,634,890	\$4,672,542
Salaries	\$3,926,487	\$3,997,083	\$3,991,976 *
Benefits	\$545,875	\$576,215	\$659,723
Operational Supplies & Expenses	\$479,159	\$137,133	\$198,057
Inter-fund Transfers (includes transfers for Dept committed research support)	\$438,701 **	\$222,311	\$137,500
ALL EXPENSES	\$5,390,222	\$4,932,742	\$4,987,256
Structural Deficit	(\$405,872)	(\$297,852)	(\$314,714)
Carry-Forward Balance	\$1,061,514	\$655,642	\$357,790
NET STATEMENT OF BUDGET	\$655,642	\$357,790	\$43,076

* Total salaries slightly lower than previous year despite faculty salary increases; due to savings from multiple CRC awards

** ~\$340K in one-time support and inter-fund transfer to correct discrepancies in salary cost recovery account

OUR LEADERSHIP

EDUCATIONAL PROGRAMS IN PATHOLOGY

PROGRAM DIRECTORS

BRADLEY, AMANDA

- *BMLSc Program Director*

HUYNH, HANH

- *Interim MEDD 411/412 Site Director for VFMP*

PRITCHARD, HAYDN

- *Graduate Advisor & Program Director*

CÔTÉ, HÉLÈNE; BENNEWITH, KEVIN; QUANDT, JACQUELINE; PRYZDIAL, ED; PALLÉN, CATHERINE; WELLINGTON, CHERYL

- *Associate Graduate Program Directors*

YIP, STEPHEN

- *Program Director - Neuropathology*

DeMARCO, MARI

- *Associate Program Director - Medical Biochemistry*

IONESCU, DIANA NORA

- *Program Director - Anatomical Pathology*

LOWE, CHRISTOPHER

- *Program Director - Medical Microbiology*

VERCAUTEREN, SUZANNE

- *Program Director - Hematopathology*

WONG, SOPHIA

- *Program Director - Medical Biochemistry*

PETRASZKO, TANYA

- *Transfusion Medicine (Fellowship program)*

NIMMO, MICHAEL

- *Program Director - General Pathology*
Interim MEDD 448 Course Director
Program Director - Med Undergraduate

CLINICAL ACADEMIC CAMPUSES

SITE HEADS

TROTTER, MARTIN

- *Site Head, St. Paul's Hospital*

GILKS, BLAKE

- *Site Head, Vancouver Coastal Health*

VAN NIEKERK, DIRK

- *Site Head, BC Cancer Agency*

MCFADDEN, DEBORAH

- *Site Head, Children's & Women's Health Centre of British Columbia*

KRAJDEN, MEL

- *Site Head, BC Centre for Disease Control (Acting)*

COUPLAND, ROBERT

- *Site Head, Kelowna General Hospital*

HOAG, GORDON

- *Site Head, Royal Jubilee Hospital*

LO, JUSTIN

- *Site Head, Prince George Regional Hospital*

PRYZDIAL, EDWARD

- *Associate Director of Centre for Blood Research*

ISSA, MARIA

- *Pathology Education Centre (PEC) Director*
PALS Coordinator

GARG, ARUN

- *Site Head, Royal Columbian Hospital and Surrey Memorial Hospital*



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