



PATHOLOGY AT A GLANCE

2011 - 2012



The UBC Department of Pathology & Laboratory Medicine Presents:



a gala evening
featuring department members' visual and performing arts

Tuesday, June 12th, 2012
doors open at 6pm

Tickets: \$5 for students, \$7 for non-students, \$10 at the door
tapas & 2 complementary drinks included

UBC Medical Student & Alumni Centre
2750 Heather Street
Vancouver

Ticket purchase: http://www.pathology.ubc.ca/pathology/Art_of_Science.html
For more info: pathartsgala@pathology.ubc.ca

all proceeds to benefit:

artsUMBRELLA™

event graciously supported by:



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a place of mind

THE UNIVERSITY OF
BRITISH COLUMBIA



A Message from The Head

Michael F. Allard BSc MD FRCPC



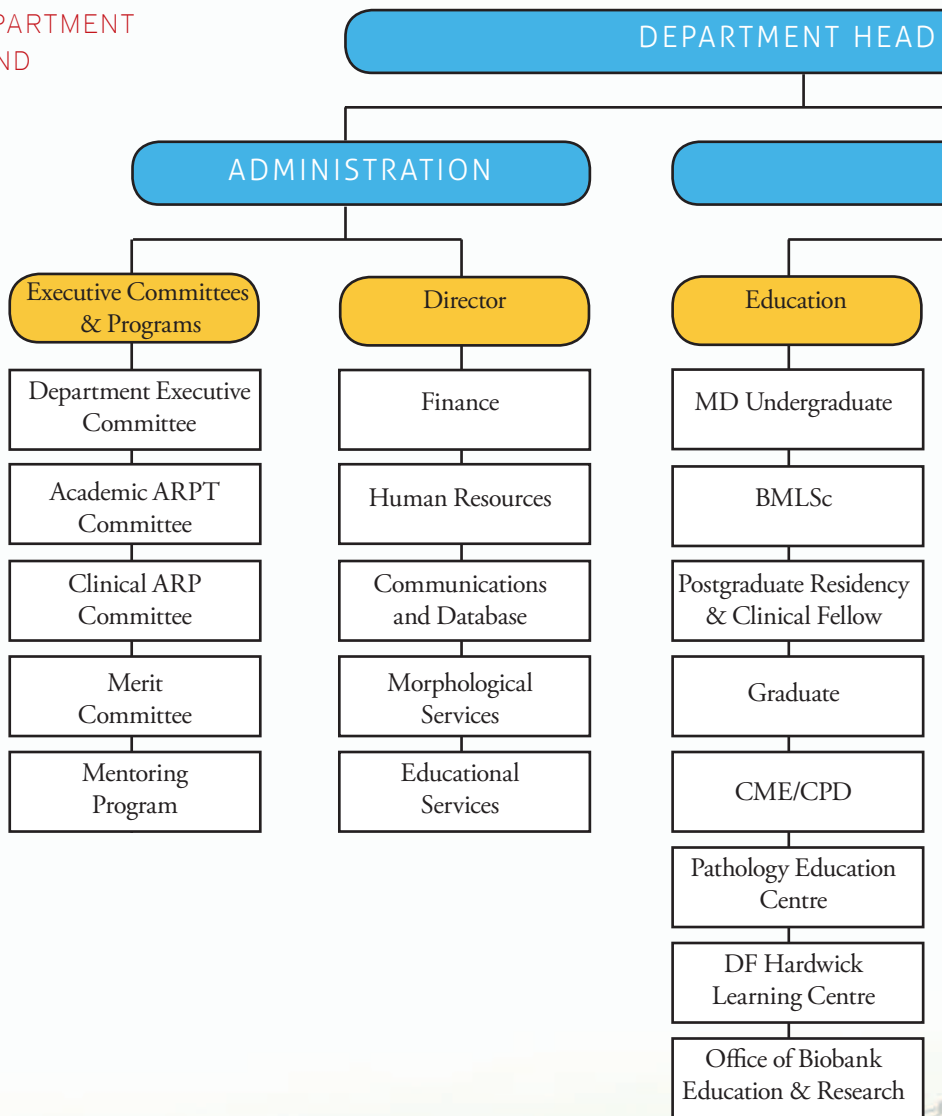
The Department of Pathology and Laboratory Medicine at UBC is a hybrid, academically intensive Department within the UBC Faculty of Medicine whose activities span a broad spectrum of teaching, research, and academic service, often performed in the milieu of clinical practice, and are ultimately devoted to improving the care, treatment, and well-being of patients. A characteristic feature common to all these activities is knowledge, with members of our department playing a foundational role in the pathway of knowledge from its creation to its integration, dissemination, application, and interpretation. This role can readily be appreciated by reflection upon specific activities and accomplishments by our department and its members. As practicing physicians and laboratory scientists, specialists in pathology and laboratory medicine are intimately involved in patient care providing critical diagnostic, interpretive, and consultative support to clinical programs at UBC affiliated health care facilities and are recognized for their expertise regionally and provincially as well as elsewhere in Canada and the world. In addition, the department has nationally and internationally recognized academic clinical outreach programs that support laboratory quality and management.

The UBC Department of Pathology and Laboratory Medicine offers academic degree programs at the bachelor's (Bachelor of Medical Laboratory Science (BMLSc)) and graduate (MSc, PhD) levels and provides or participates in undergraduate and graduate educational programs for students enrolled in other departments, faculties, and schools. The department also plays a major role in professional education, including, undergraduate education of physicians, dentists, and allied health professions; accredited residency (post-graduate) training programs of the Royal College

of Physicians and Surgeons of Canada; and continuing professional development and education. Members of the department participate in activities that span the entire spectrum of research and scholarly work. A cadre of individuals, many of whom are also pathologists and laboratory physicians (i.e., clinician scientists), performs basic investigative research into the fundamental causes and mechanisms of disease. Others are at the forefront of translating discoveries generated during basic research investigations into clinical practice by a process of robust adaptation, implementation, and validation. Department members also make significant and important clinical research contributions that lead to advances in our understanding of disease and to critical evaluation of novel therapeutic interventions, while still more are active in the scholarship of education developing innovative ways of teaching pathology and laboratory medicine to both trainees and practitioners.

Faculty members and administrative staff of the department are also extremely active in academic services of the department, the Faculty of Medicine, and external academically oriented organizations and, in many instances, hold key leadership positions. Leadership and involvement in academic service, which is often not fully appreciated for its importance, provide essential support for all departmental activities and serves as a key enabling function. Over the years, members of the department have been recognized for their accomplishments, contributions, and excellence across the spectrum of clinical, academic, and service activities. This year is no exception with department members being deservedly recognized for their accomplishments and contributions spanning the entire spectrum of departmental activities highlighting the overall broad-based excellence of our department and its faculty, trainees, and staff and indicating that we should not only be very proud but also be encouraged by demonstrating what can be accomplished.

OVERVIEW OF DEPARTMENT
OF PATHOLOGY AND
LABORATORY
MEDICINE
ORGANIZATION





ACADEMIC PROGRAMS

Research

Basic Investigative

Translational

Clinical-Applied

Scholarship of Education
& Learning

Departmental Committees

Curriculum
Committee

Awards
Committee

Peer Evaluation of
Teaching Committee

Summer Student
Fellowship Committee

Pathology Day
Committee

Teaching Dossier
Committee

UBC-affiliated Pathology & Laboratory Medicine Diagnostic Services

General Pathology

Anatomic Pathology

Neuropathology

Hematopathology

Transfusion Medicine

Medical Biochemistry

Medical Microbiology

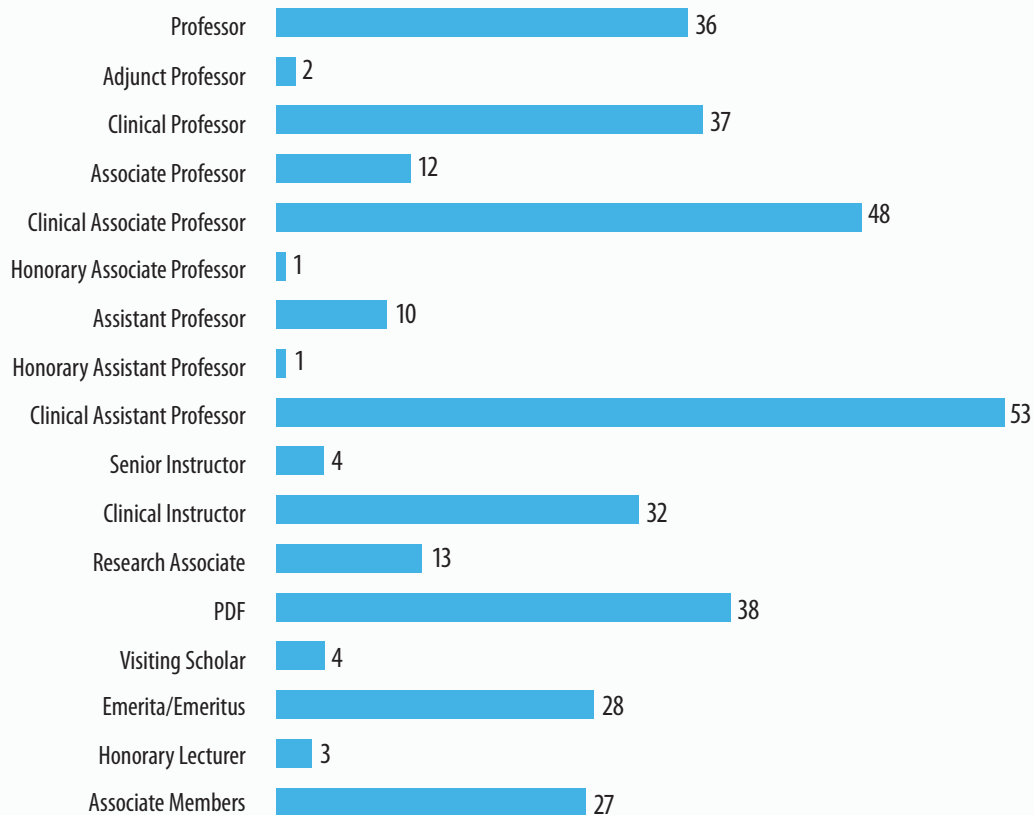
Pediatric Pathology

Genomic Pathology

Cytopathology

FACULTY BY RANK

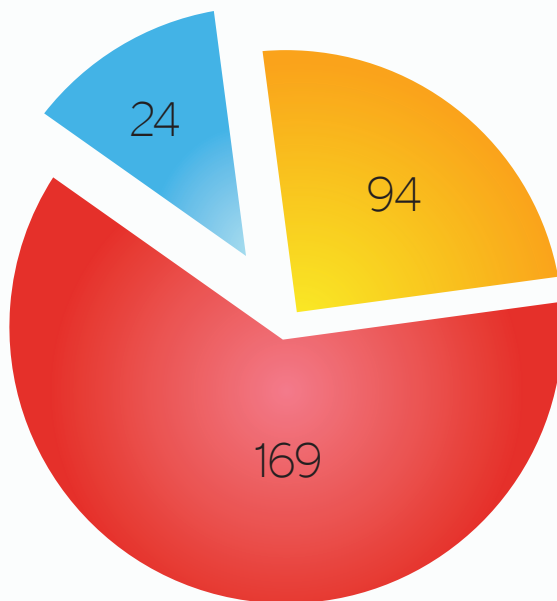
Total: 322 (excluding associate members)



DEGREES: MD & PhD

Including Emerita/Emeritus

ORGANIZATION



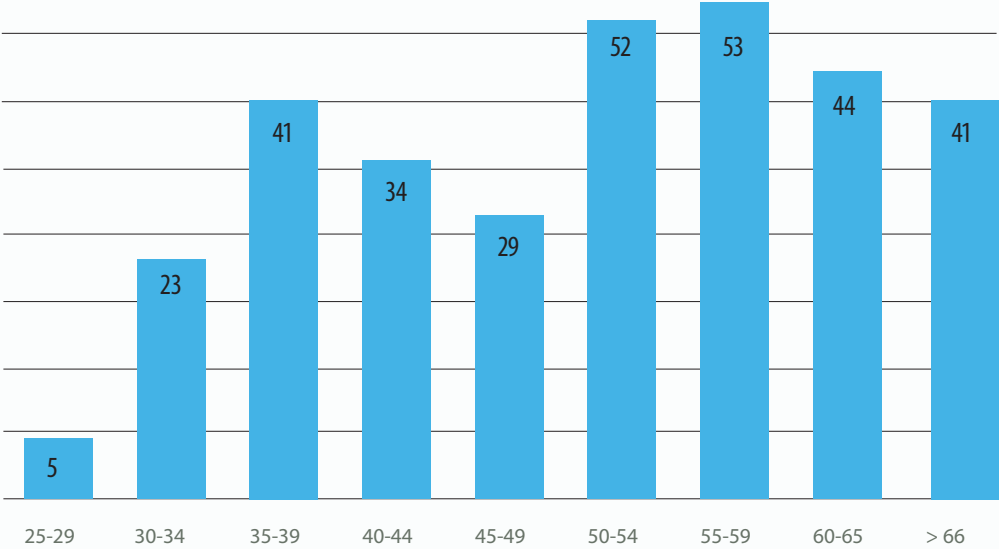
MD

PhD

MD + PhD

FACULTY BY AGE GROUP

Total: 322 (excluding associate members)



EMPLOYEE GROUPS

2011-2012

Clinical Faculty	169
Academic Faculty	65
Postdoctoral Research Fellows, Research Associates & Visitors	55
Emerita/Emeritus	28
Honorary	5
Secreterial/Clerical (CUPE 2950)	11
Management/Professional	22
Non-Union Technicians & Research Assistants	62
Non-Union Students	62

DEPARTMENT ASSIGNABLE SPACE

(sq ft)

Site	Office	Wet Lab	Other	Total
C & W	1375.85	4183.75	1589.24	7148.84
St. Paul's Hospital	1846.60	290.60	1951.10	4088.30
UBC Hospital	3002.09	6518.30	4989.56	14509.95
VGH	1222.19	3064.66	4081.35	8368.20
Total	7446.73	14057.31	12611.25	34115.29

GEOGRAPHIC SITES

2011-2012

UBC Teaching Hospitals

- a) BC Children's Hospital
- b) BC Women's Hospital
- c) Lion's Gate Hospital
- d) Prince George General Hospital
- e) Richmond General Hospital
- f) Royal Columbian Hospital
- g) Royal Jubilee Hospital
- h) St. Paul's Hospital
- i) Sunny Hill Health Centre for Children
- j) UBC Hospital & Urgent Care Centre
- k) Vancouver General Hospital
- l) Victoria General Hospital
- o) Surrey Memorial
- m) B.C. Cancer Agency

Affiliation with UBC Research Institutes & Centres

A) Providence Health Care Research Institute

- i) BC Centre For Excellence For HIV/AIDS
 - ii) James Hogg iCAPTURE Centre For Cardiovascular And Pulmonary Research
 - iii) Healthy Heart Program / Lipid Clinic
 - iv) Centre For Health Evaluation And Outcome Sciences
-

B) BC Cancer Research Centre

- i) Advanced Therapeutics
 - ii) Cancer Control Research
 - iii) Cancer Endocrinology
 - iv) Cancer Genetics
 - v) Developmental Biology
 - vi) Cancer Imaging
 - vii) BC Cancer Agency's Trev & Joyce Deeley Research Centre
 - ix) BC Cancer Agency's Michael Smith Genome Sciences Centre
 - x) Medical Biophysics
-

B) BC Cancer Research Centre

xi) Molecular Oncology and Breast Cancer Program

xii) Terry Fox Laboratory

xiii) Tumour Tissue Repository

xiv) Prostate Cancer Research Program

C) British Columbia Centre for Disease Control (BCCDC)

i) UBC Centre for Disease Control

D) Vancouver Coastal Health Research Institute

i) Jack Bell Research Centre - Hosts collaboration GPEC group

ii) Skin Care Centre

iii) Arthritis Centre

iv) Eye Care Centre

v) The Prostate Centre

vi) Clinical Microbiology Proficiency Testing Program (CMPT)

vii) BRAIN Research Centre

D) Vancouver Coastal Health Research Institute

viii) International Science of Soft Surfaces & Interfaces Project

ix) Centre for Blood Research

x) CFI Laboratory for Molecular Biophysics

xi) Biomedical Research Centre

E) Child & Family Research Institute (CFRI)

i) Centre for Microbial Diseases & Host Defense Research

ii) Centre for Molecular Medicine and Therapeutics (CMMT)

iii) Centre for Nutrition Research

iv) Centre for Growth and Development

v) Centre For Community Health And Health Evaluation

vi) Centre For Community Child Health Research

vii) BC Injury Research And Prevention Unit

viii) Clinical Research Support



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EDUCATION

section 2

MEDICAL UNDERGRADUATE TEACHING

2011-2012

Years 1&2	# of Instructors	# Hours	# Students
Lectures	40	105	336/300
Small Group CPC	47	338	Groups of 18-20
PBL Contribution	25	1816	Groups of 8

Year 4	# of Students	# Weeks
Electives/Selectives	27	88

BACHELOR OF MEDICAL LABORATORY SCIENCE PROGRAM

2011-2012

Number of Students	36
BMLSc Program Courses	14
Instructors (Faculty, Technologists, Others)	88
Lecture Hours	1009
Other types of Instruction - hours	250

BASIC SCIENCE UNDERGRADUATE COURSES

2011-2012

Course	# of Credits	# of Students
Path 375 –Intro Pathology	3	68
Path 417- Bacterial infections	6	5
Path 417- Bacterial infections (may be taken as 3 credits with instructor permission)	3	5
Path437/Micb407	3	21
Path 427 - Basic Principles of Infection Control	3	38
Path 451 - Clerkship in Laboratory Medicine and Infection Prevention and Control	3	12
Path 467 - Basic Microbiology for Infection Control	3	18
Path 477 - Basic Epidemiology for Infection Control	3	14
Total	27	181

GRADUATE STUDIES

2011-2012

Program of Study	Students
Masters	32
PhD	50
MD/PhD	3
Total	85
# of Supervisors	42

RESIDENCY PROGRAM

2011-2012

Program of Study	Residents
Anatomical Pathology	18
General Pathology	7
Neuropathology	5
Hematopathology	5
Medical Microbiology	4
Medical Biochemistry	4
Transfusion Medicine-1	1
Fellows	7

SPECIAL YEARLY EVENT

Pathology Day 2011

James Hogg Lecture

Dr. James Hogg, Professor Emeritus

Centrilobular emphysematous destruction in Chronic Obstructive Pulmonary Disease (COPD)

Pathology Day Keynote Lecture

Dr. Dario Vignali PhD, Vice Chair and Member, Department of Immunology,

St. Jude Children's Research Hospital, Memphis, TN

Immune Regulation, T-regs and Inhibitory Receptors

23

# of oral presentations by residents/trainees and graduates students	24
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# of posters:	63
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The Resident oral presentation award winners:

1st Place: Anna Lee	"Loss of BAF250a (ARID1A) is frequent in high-grade endometrial carcinomas"
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2nd place: Tyler Smith	"Using evidence and expert consensus to clarify the clinical confusion surrounding heritable thrombophilia testing"
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3rd place: Titus Wong	"Community and hospital rates of group B streptococcus resistance to penicillin, erythromycin and clindamycin in Vancouver, Canada"
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The Graduate oral presentation award winners:

1st place(tie): Clara
Westwell-Roper and
Kevin Yang

“Blockade of interleukin-1 signalling improves human islet amyloid polypeptide-induced pancreatic islet graft dysfunction”
Kevin Yang “Small molecules to inhibit prostate cancer proliferation by targeting androgen receptor”

3rd place: Jennifer
Choo

“An immunohistochemical survey of biomarkers for basal-like breast cancer against a gene expression profile gold standard”

Poster presentation award winners:

1st place: Jasmine
Hamilton

“Novel macromolecular iron chelators: an innovative approach to the treatment of transfusion associated iron overload”

2nd place: L. Apel-
Sarid

“Non-immune hydrops fetalis in Vancouver: are we different?”

3rd place: Amanda
Vanden Hoek

“Identification of a novel coagulation factor X compound heterozygous mutation associated with differential initiating clotting pathway function”

Faculty Recognition Awards:

Dr. Haydn Pritchard

Most Valuable Player

Dr. David Walker

David Hardwick Lifetime Achievement

Dr. Jayachandran
Kizhakkedathu

Award for Excellence in Research and Discovery

Dr. Carol Park and Dr.
Morris Pudek

Award for Excellence in Education

Dr. Katherine
Chipperfield

Award for Excellence in Service

Ms. Sabine
Hutchinson

Staff Service Award in the Technologist/Technician Category

Mr. John Garratt

Staff Service Award in the Administration Category



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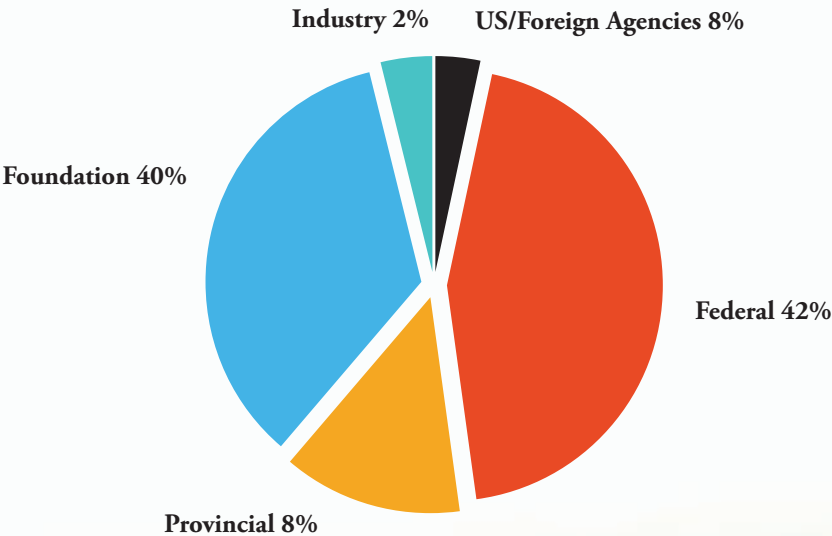
RESEARCH

section 3

RESEARCH GRANT FUNDING SOURCES

F/Y 2011-2012

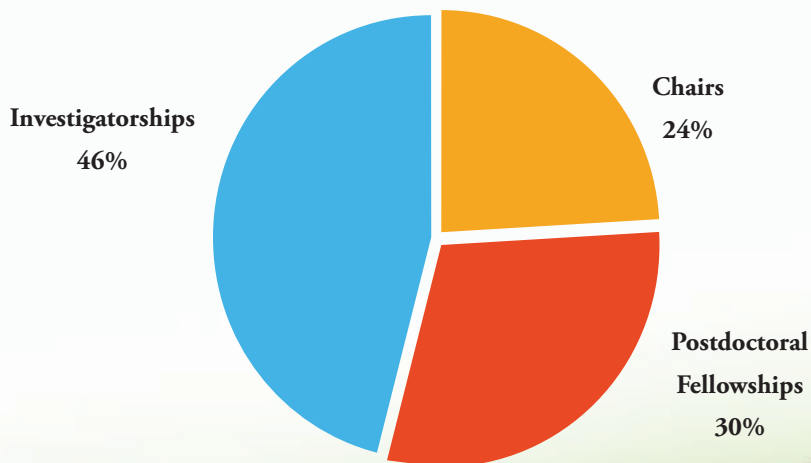
Research Awards Funding Sources (\$)	
US/Foreign Agencies	\$574,469.36
Federal	\$7,618,758.28
Provincial	\$2,299,730.00
Foundations	\$5,975,722.25
Industry	\$662,819.14
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Total	\$17,131,499.03



PERSONNEL AWARDS

F/Y 2011-2012

Personnel Awards(\$)	
Chairs	\$515,282.00
Postdoctoral Fellowships	\$640,903.26
Investigatorships	\$985,035.61
Total	
	\$2,141,220.87



4

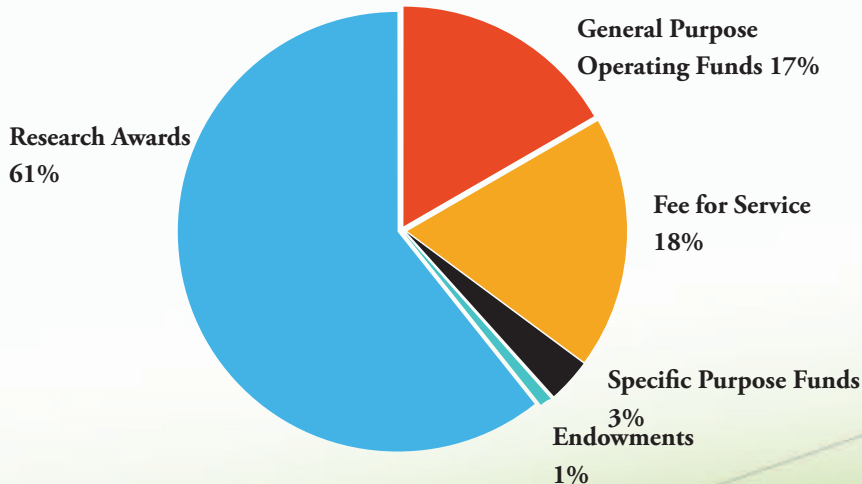
REVENUES & BUDGET

section 4

DEPARTMENT FUNDS

F/Y 2011-2012

Funds(\$)	
General Purpose Operating Funds	\$4,702,261.00
Fee for Service	\$5,213,729.16
Specific Purpose Funds	\$900,483.53
Endowments	\$269,684.25
Research Awards	\$17,131,499.03
Total	\$28,217,656.97



NOTES



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