Western Libraries
Collections Management Policy
Anatomy & Cell Biology

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Purpose of the Collection:

The anatomy and cell biology collection of Western Libraries is intended to support the research activities of faculty and staff as well as students at the undergraduate, M. Sc. and PhD levels. The collection also supports the instructional requirements of the Department at the undergraduate and graduate levels.

Unless specified, collection in this area will focus on all aspects of human anatomy and cell biology as other life forms will be covered in collections for other subject areas such as the biological sciences.

The Allyn & Betty Taylor Library provides primary support for the research and instructional needs of Anatomy & Cell Biology with its diverse collection of print and electronic resources.

Program Information:

Besides supporting all programs in the Schulich School of Medicine & Dentistry, it is recognized that the Anatomy & Cell Biology Department also provides instruction to students in the biological sciences, communication sciences & disorders, kinesiology, health and rehabilitation sciences, nursing, occupational therapy and physical therapy programs. Collections activity will take this into consideration.

Subject Areas Covered:

Collections activity will address all aspects of anatomy and cell biology but in particular focus on materials supporting the main research themes of the department that include 1) cell communication and signaling in health and disease, 2) cell systems and behavior, 3) clinical anatomy.

A more detailed listing of topics covered for both research and instruction can be found in the Appendix at the end of this document.
Format:

Acquisitions will include monographs, book series, and journals. Resources, particularly journals, in digital format are preferentially selected over their print counterparts. Acknowledging the visually demanding nature of the study of anatomy, alternate formats such as CD-ROM, multimedia, video, and DVD, will receive consideration for acquisition. However, Western Libraries does not actively select alternate formats, preferring that this type of content be acquired following faculty, staff or graduate student recommendation.

Language:

English is the primary language of collection in anatomy and cell biology with other languages being considered upon request.

Source of Publication:

Sources of publication are primarily Canada, the United States, Australia and Europe with the language restriction applied. Material published in other regions may be considered on request and will be evaluated for quality and relevance.

Date of publication:

Materials with a recent imprint date are preferred. Older material will be considered upon request.

Exclusions:

With the exception of individual requests and some selective acquisitions, the following types of material are not acquired:

- popular literature
- conference and symposium proceedings
- theses or dissertations from other institutions
- course textbooks.

Related collections and cooperation:

The collection for anatomy and cell biology is further supplemented by collection activities in related fields such as the allied health sciences, basic and clinical medical sciences, biological sciences, dentistry, kinesiology and nursing.

Gifts:

The library gratefully accepts gifts of materials in good condition. As considerable expense is incurred by Western Libraries in the receipt and processing, the library only
accepts gifts of materials which support current teaching and research needs, or which are not adequately represented in the collection.

Managing the Collection:

In order to ensure that collections remain optimally useful for our patrons, it is necessary to analyze collection usage and available space regularly. Items will need to be selectively removed from the onsite collection from time to time.

Duplicate items that are no longer required to support the curriculum, and damaged items that can no longer be replaced may be removed from the collection at the discretion of the Subject Librarian.

Items that are unique to Western may be transferred to a storage facility. Material housed in these storage facilities is available on request through the Library Catalogue.

Criteria for transfer selection include, but are not limited to, the following:

1) Outdated or previous editions of titles
2) Medium- to low-use items
3) Material that is available in alternate formats, i.e., online
4) Materials that would benefit from storage in a more controlled environment.

Consult with the Subject Librarian for further details about these criteria.

Resources to aid in acquisition of material:

The majority of monograph purchases for anatomy and cell biology are acquired through the use of a monographs profile with the book vendor Coutts. Also, there is weekly monitoring of titles through Doody's Alerting Service. Finally, patrons may make recommendations for the collection through the online form available at https://www.lib.uwo.ca/acquire.html.
Appendix – Detailed Subject Listing

Subject areas in support of research:

Addiction – mechanisms and neurobiology
Alzheimer Disease
Aortic valve sclerosis - diagnosis, progression and treatment
Atherosclerosis – diagnosis, progression and treatment
Autism - neurobiology
Auditory Neuroscience
Behaviour generation with attention to the startle response
Biology of tumor invasion and metastasis
Biomaterials - attention to cellular response and tissue integration
Cancer therapy with attention to breast cancer
Cardiac Hypertrophy
Cell communication with attention to
  Adhesion molecules
  Cell-cell interactions during transendothelial migration
  Gap junctions
  Receptors in CNS and in particular dopamine and Eph
  Signaling molecules
Cell death and loss with attention to degenerative disease, epilepsy, and stroke
CNS Imaging
  Functional MRI
CNS injury and repair including spinal cord
Cognitive neuroscience and imaging
Connexins
Dental anatomical research
Duchenne Muscular Dystrophy
Emotions - attention to neuroanatomy & neurobiology
Exercise & training during pregnancy - maternal & fetal effects
Fetal – Maternal relationships
Fetal growth including growth restriction mechanisms
Histochemical processes in tissue preparation
Huntington Disease
Membrane lipids
Molecular Imaging
Motor neuron disorders
Muscle development with attention to
  Cardiac muscle
  Skeletal muscle
Myoblasts
Neurobiology with attention to
  motivation and reward
  auditory processing
  sensory information processing
Neuroinflammation
Neuronal communication with special attention to
  cholinergic system
  glutamatergic system
  cannabinoid system
Neurotransmitters with attention to
  Acetylcholine
  Glutamate
  Cannabinoids
Parkinson Disease
Peroxisomes
Placental growth and development
Pre-eclampsia
Prion diseases
Schizophrenia - neurobiology and therapeutics
Scholarship of teaching related clinical anatomy
Sensory perception with attention to
  Multisensory input integration
  Hearing loss and tinnitus
Skeletal muscle contraction - attention to neuromuscular relations
Stem cell biology and technologies with attention to embryonic stem cells
Stroke
Synaptic plasticity & learning
Tissue engineering especially coronary arteries
Translational research with attention to
  Breast cancer
  Ovarian cancer
Tumor development and progression
Unfolded protein response

Subject areas in support of instruction (U = undergraduate; G = Graduate)

Anatomy education (G)
Cancer Models (U)
Cell biology (U & G)
Clinical Anatomy (G)
Embryology (G)
Gross anatomy - general, regional and neuroanatomy (U & G)
Histology (U & G)
Integrative Neuroscience (U&G)
Medical Imaging (G)
Methods and techniques in anatomy and cell biology (U & G)
Neurobiology (U&G)