



The Tower at STAR  
100 Discovery Blvd. – 7<sup>th</sup> Floor  
Newark, DE 19713  
Phone: 302-831-8370

October 23, 2018

Esther Biswas-Fiss, PhD  
Department of Medical and Molecular Sciences  
305 Willard Hall Education Bldg.  
Newark, DE 19716

Dear Esther,

Please consider this a letter of enthusiastic support for the two proposals creating professions-based Master's programs in Medical Laboratory Science, and Applied Molecular Biology and Biotechnology.

These creative new degrees will offer students advanced training to better prepare them for jobs in the medical laboratory science and biotechnology fields. They will also help to alleviate workforce shortages in these sectors.

The College of Health Sciences will be pleased to provide the resources necessary to support these programs.

Sincerely,

A handwritten signature in dark ink, reading 'Kathleen S. Matt'. The signature is fluid and cursive, with a long horizontal stroke extending from the end.

Kathleen S. Matt, PhD  
Dean, College of Health Sciences  
Professor, Department of Kinesiology & Applied Physiology  
[ksmatt@udel.edu](mailto:ksmatt@udel.edu)

**HEALTH SCIENCES**

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DEPARTMENT OF  
BIOLOGICAL SCIENCES  
OFFICE OF THE CHAIR

University of Delaware  
Newark, Delaware 19716-2590  
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E. Fidelma Boyd, Ph.D.  
Professor and Interim Chair  
Department of Biological Sciences  
118C Wolf Hall  
Telephone (302) 831-4296  
E-mail: [fboyd@udel.edu](mailto:fboyd@udel.edu)

TO: Faculty Senate Academic Affairs Committee  
FROM: Professor E. Fidelma Boyd, Interim Chair  
RE: Medical and Molecular Sciences, Letter of Support

October 29, 2018

Dear Faculty Senate Academic Affairs Committee,

The department is happy to support the two new Masters programs in Clinical Laboratory Science and in Applied Molecular Biology and Biotechnology for the College of Health Sciences.

Sincerely,

A handwritten signature in blue ink that reads "E. Boyd".

E. Fidelma Boyd  
Professor and Interim Chair



University of Delaware Library  
VICE PROVOST FOR LIBRARIES AND MUSEUMS  
AND MAY MORRIS UNIVERSITY LIBRARIAN

181 South College Avenue  
Newark, DE 19717-5267  
Phone: 302-831-2231  
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October 19, 2018

Memorandum

To: Esther E. Biswas-Fiss  
Professor and Chair  
Department of Medical and Molecular Sciences

From: Trevor A. Dawes  
Vice Provost for Libraries and Museums  
and May Morris University Librarian

I am responding to your request to supply information about the capability of the University of Delaware Library, Museums and Press to support two proposed graduate programs in the Department of Medical and Molecular Sciences. These programs are:

- Master of Science in Applied Molecular Biology & Biotechnology (MSAMBB)
- Master of Science in Medical Laboratory Science (MSMLS)

The existing online and print collections of the University of Delaware Library, Museums and Press, which are strong in the sciences and related interdisciplinary areas, are currently able to support these programs. However, no additional funding is available for new resources. Enclosed is a description of collections, resources and services available for this purpose.

I would be pleased to respond to any questions.

/nb

Enclosure

c: Kathleen S. Matt, Professor and Dean, College of Health Sciences

University of Delaware Library, Museums and Press  
Susan A. Davi, Associate Librarian and Head, Collection Management and  
Licensed Electronic Content Department  
M. Dina Giambi, Associate University Librarian for Budget and Collections  
Sarah E. Katz, Senior Assistant Librarian, Reference and Instructional Services Department,  
and UDLib/SEARCH Training Coordinator  
Sabine Lanteri, Senior Assistant Librarian and Science Liaison Librarian,  
Reference and Instructional Services Department  
Sandra Millard, Deputy University Librarian, Associate University Librarian for  
Public Services and Outreach, and Program Director, UDLib/SEARCH  
Carol Rudisell, Librarian and Head, Reference and Instructional Services Department

Faculty Senate  
Karren Helsel-Spry, Administrative Assistant IV



October 19, 2018

Report on Library Services and Collections in Support of  
Medical and Molecular Sciences

General Description

The University of Delaware Library, Museums and Press includes the Hugh M. Morris Library, where the main collection is housed; two branch libraries located on the Newark campus, the Chemistry Library and the Physics Library; and a third branch library, the Marine Studies Library, located in Lewes, Delaware. The Library collections parallel the University's academic interests and support all disciplines

Databases, full-text electronic journals and electronic books, books, periodicals, microforms, government publications, maps, manuscripts and media provide a major academic resource for the University of Delaware, the surrounding community, the state of Delaware and the nation. Library staff members provide a wide range of services.

The University of Delaware Library, Museums and Press is a U.S. depository library and a U.S. patent depository library and contains the complete file of every patent issued by the U.S. Patent and Trademark Office (USPTO).

The online catalog, DELCAT Discovery, provides access to millions of items by author, title, subject and keyword.

Library collections number over 2,720,000 and are broadly based and comprehensive. In 2016/2017, the Library Web <[library.udel.edu/](http://library.udel.edu/)> received over 3,900,000 page views.

Specific Support for Applied Molecular Biology & Biotechnology and  
Medical Laboratory Sciences

The Library's collections are strong and are able to support these proposed graduate programs. For many years, the Library has supported related graduate and undergraduate programs in biotechnology, bioinformatics, biology, chemistry, biochemistry, health sciences, and medical/laboratory science. The collections in these areas are excellent and continue to grow.

An experienced librarian, Sarah E. Katz ([sekatz@udel.edu](mailto:sekatz@udel.edu)), Senior Assistant Librarian, Reference and Instructional Services Department, serves as the Library liaison to the Department of Medical Laboratory Sciences.

As Library liaison, Ms. Katz works with the Department to:

- Further develop Library collections, both print and electronic to support the teaching, learning and research needs of the Department
- Provide research support for faculty and students in a consultation setting
- Provide instruction in a classroom setting
- Serve as a resource for the information needs of the Department as they relate to the Library, Scholarly Communication, Open Access and other topics

Another science librarian has considerable expertise in related subject areas and can provide additional specialized services, as needed:

- Sabine Lanteri ([slanteri@udel.edu](mailto:slanteri@udel.edu)) – Biological Sciences, Biomedical Engineering, Chemistry & Biochemistry, Chemical & Biomolecular Engineering

More than 200 research guides <[guides.lib.udel.edu/](http://guides.lib.udel.edu/)> in all subject areas have been developed and are maintained by librarian liaisons. These research guides describe library resources and assist students in the research process. These guides introduce students to a wide array of useful resources including databases, eJournals, eBooks, reference materials, visual material and more. The librarians mentioned above are also available to work with faculty to develop research guides for specific courses within this program.

The Library subscribes to more than 400 online databases <[library.udel.edu/databases/](http://library.udel.edu/databases/)> which support research in all areas. Among the most important databases for the study and research of applied molecular biology, biotechnology, and medical laboratory science are: *Cochrane Library*, *PubMed*, *Scopus*, *Web of Science*, *Springer Nature Experiments*, *BIOSIS Citation Index*, *SciFinder Scholar*, *Compendex*, *TOXNET*, and *National Center for Biotechnology Information (NCBI)*.

The Library also provides online access to *Bates' Visual Guide to Physical Examination*, the *LWW Health Library* (anatomical sciences and physical therapy sections), *Lippincott Advisor*, and *Primal Pictures*, "the world's most detailed 3D model of human anatomy online." Access to *JoVE Video Journal* and *JoVE Science Education* is also available. These resources may be useful to students in this program.

In addition to its extensive print-based collections, the Library provides access to more than 100,000 electronic journals <[library.udel.edu/ejournals/](http://library.udel.edu/ejournals/)> and more than 670,000 electronic books <[library.udel.edu/ebooks/](http://library.udel.edu/ebooks/)>. Within the Library's eJournal collection, the sciences are particularly strong, including almost all the journals published by Elsevier, Springer, and Wiley as well as smaller publishers such as American Society for Microbiology, American Medical Association, American Society for Clinical Pathology, BioMed Central, PubMed Central, Oxford University Press, Nature, and Annual Reviews.



Esther E. Biswas-Fiss

October 19, 2018

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Within the eBook collection, online access to most books published by Springer from 2005-present is of particular importance. Other related eBooks are available from the NCBI Bookshelf, the Colloquium Digital Library of Life Sciences, National Academies Press, ProQuest Ebook Central, and EBSCOhost eBooks

The Library subscribes to *RefWorks*, a web-based citation management tool that can be used with most databases. Access to *EndNote Online* via the Library's *Web of Science* subscription is also available.

The Library has strong collections of film and video <[library.udel.edu/filmandvideo/](http://library.udel.edu/filmandvideo/)> which support study and teaching in all subject areas.

The Library has a nationally recognized Student Multimedia Design Center <[library.udel.edu/multimedia/](http://library.udel.edu/multimedia/)> which provides access to equipment, software, and training related to the creation of multimedia projects. The Student Multimedia Design Center includes over 80 workstations, six studios, and two hands-on instruction rooms focused on multimedia creation. University of Delaware users also may borrow a wide variety of multimedia equipment. Through its Multimedia Literacy program, the Student Multimedia Design Center provides instructional support for faculty seeking to incorporate multimedia into their assignments.

The Library also maintains an Institutional Repository <[udspace.udel.edu/](http://udspace.udel.edu/)>, which archives research reports, documents, and other resources produced by University of Delaware faculty and students.



Trevor A. Dawes

Vice Provost for Libraries and Museums  
and May Morris University Librarian