MEMORANDUM

TO: Craig Beyrouty
   Dean, College of Agriculture and Natural Resources

FROM: Elizabeth Beise
   Associate Provost for Academic Planning and Programs

SUBJECT: Proposal to Rename the Master of Science in "Veterinary Medical Sciences" to "Comparative Biomedical Sciences" (PCC Log No. 19033)

On July 1, 2020, Chancellor Perman approved your proposal to rename the Master of Science in "Veterinary Medical Sciences" to "Comparative Biomedical Sciences." On July 15, 2020, the Maryland Higher Education Commission gave final approval. A copy of the approved proposal is attached.

The new program title is effective Fall 2020. The Graduate Catalog entry for the program will be updated by the Graduate School (contact Angela Ambrosi at aambrosi@umd.edu for more information). Please ensure that the new title is fully described in all other relevant descriptive materials.

MDC/
Enclosure

cc: Janna Bianchini, Chair, Senate PCC Committee
    Barbara Gill, Office of Enrollment Management
    Reka Montfort, University Senate
    Huifang Pan, Division of Information Technology
    Pam Phillips, Institutional Research, Planning & Assessment
    Lae’l Hughes-Watkins, University Archives
    Linda Yokoi, Office of the Registrar
    Brooke Liu, Graduate School
    Joe Sullivan, College of Agriculture and Natural Resources
    Xiaoping Zhu, Department of Veterinary Medicine
July 15, 2020

Dr. Darryll J. Pines  
President  
University of Maryland, College Park  
1122 Main Administration Building  
College Park, MD 20742

Dear Dr. Pines:

The Maryland Higher Education Commission reviewed a request from University of Maryland, College Park to change the title of the program listed below.

I am pleased to inform you that the program proposal is approved. This decision is based on an analysis of the program proposal in conjunction with the laws and regulations governing academic program approval, in particular Code of Maryland Regulation (COMAR) 13B.02.03. The program meets COMAR’s requirement and demonstrates potential for success, an essential factor in making this decision.

For the purposes of providing enrollment and degree data to the Commission, please use the following HEGIS and CIP codes.

<table>
<thead>
<tr>
<th>Old Program Title</th>
<th>New Program Title</th>
<th>Award Level</th>
<th>HEGIS</th>
<th>CIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veterinary Medical Sciences</td>
<td>Comparative Biomedical Sciences</td>
<td>M.S.</td>
<td>1299.58</td>
<td>51.2504</td>
</tr>
</tbody>
</table>

I wish you continued success in your educational endeavors.

Sincerely,

Dr. James D. Fielder  
Secretary

JDF:KKS:bb

C: Dr. Antoinette Coleman, Associate Vice Chancellor, USM  
   Mr. Mike Colson, Senior Coordinator for Academic Programs, UMD

File: 20252
July 1, 2020

Dr. Darryll Pines  
President  
University of Maryland, College Park  
Office of the President  
Main Administration Building  
College Park, MD 20742

Dear Darryll,

Thank you for the request of the University of Maryland College Park to change the names of the M.S. in Veterinary Medical Science to "M.S. in Comparative Biomedical Sciences" and the Ph.D. in Veterinary Medical Science to "Ph.D. in Comparative Biomedical Sciences." I understand that there will be no change to the curricular requirements of the programs, and that this request is to change the names to distinguish these research-oriented programs from the college’s professional Doctor of Veterinary Medicine (D.V.M.).

I am pleased to approve these actions. I have confidence that both programs will continue to meet with success under the new titles.

Sincerely,

Jay A. Perman  
Chancellor

Cc: Mary Ann Rankin, Senior Vice President and Provost  
Antoinette Coleman, Associate Vice Chancellor for Academic Affairs
PCC Proposal to Rename the Master of Science in “Veterinary Medical Science” to “Comparative Biomedical Sciences” (Senate Document #19-20-41)

TO: Wallace D. Loh | President

FROM: Pamela Lanford | Chair, University Senate

I am pleased to forward the accompanying legislation for your consideration and approval. Betsy Beise, member of the Programs, Curricula, and Courses Committee, presented the PCC Proposal to Rename the Master of Science in “Veterinary Medical Science” to “Comparative Biomedical Sciences” (Senate Document #19-20-41), which the University Senate approved at its meeting on March 3, 2020. Please inform the Senate of your decision and any administrative action related to your conclusion.

Approved: [Signature]

Wallace D. Loh
President

Date: 03-25-2020

Copies of this approval and the accompanying legislation will be forwarded to:

Mary Ann Rankin, Senior Vice President and Provost
Reka Montfort, Executive Secretary and Director, University Senate
Michael Poterala, Vice President and General Counsel
Cynthia Hale, Associate Vice President for Finance and Personnel
John Bertot, Associate Provost for Faculty Affairs
Elizabeth Beise, Associate Provost for Academic Planning & Programs
Sylvia B. Andrews, Academic Affairs
Craig Beyrouty, Professor and Dean, College of Agriculture and Natural Resources
Yanjin Zhang, Associate Professor, Veterinary Medicine Program
Janna Bianchini, Chair, Programs, Curricula, and Courses Committee
The Department of Veterinary Medicine proposes to rename its M.S. and Ph.D. programs in Veterinary Medical Sciences to Comparative Biomedical Sciences. This research-based curriculum is distinct from the department’s professional Doctor of Veterinary Medicine (D.V.M.). The latter is offered on the Virginia Tech campus, is jointly administered by the University of Maryland and Virginia Tech through the Virginia-Maryland College of Veterinary Medicine, and is the practitioner program designed for those students who wish to pursue a career as a veterinarian. In contrast, the Veterinary Medical Sciences programs (offered on the College Park campus) are focused on educating the next generation of scientists in the techniques for and approaches to analyzing infectious diseases and therapeutic development. The name change to Comparative Biomedical Sciences (CBSC) is intended to help students better distinguish the goals of the research-based program from the professional doctorate. CBSC covers both basic and applied veterinary and biomedical sciences for improving animal, human, and environmental health. The integration of the animal, human, and environmental health is a relatively new thrust in the field, known as “One Health.” Several graduate programs, at the colleges of veterinary medicine in comparable universities, have already adopted the CBSC title.

A minimum of 24 semester with hours of graduate coursework and six hours of thesis research credit (VMSC799) is required for the M.S. degree.

The proposed name change was endorsed by the Graduate School Programs, Curricula, and Courses committee on January 30, 2020, and by the Senate Programs, Curricula, and Courses committee on February 7, 2020.

RECOMMENDATION(S)

The Senate Committee on Programs, Curricula, and Courses recommends that the Senate approve this name change.
COMMITTEE WORK

The committee considered this proposal at its meeting on February 7, 2020. The committee met with the graduate program director, Dr. Yanjin Zhang, who made a brief presentation and responded to questions. The committee voted to endorse the name change.

ALTERNATIVES

The Senate could decline to approve the name change.

RISKS

If the Senate declines to approve this degree program, the University will lose an opportunity to better market and recruit this degree program to prospective graduate students.

FINANCIAL IMPLICATIONS

There are no significant financial implications.
473: COMPARATIVE BIOMEDICAL SCIENCES (CBSC)

In Workflow
1. D-VMSC Chair (xzhu1@umd.edu)
2. AGNR Curriculum Manager (ecooper@umd.edu;%20tgallman@umd.edu)
3. AGNR PCC Chair (jsull@umd.edu;%20mcarroll@umd.edu)
4. AGNR Dean (jsull@umd.edu)
5. Academic Affairs Curriculum Manager (mcolson@umd.edu)
6. Graduate School Curriculum Manager (aambrosi@umd.edu)
7. Graduate PCC Chair (aambrosi@umd.edu)
8. Dean of the Graduate School (sfetter@umd.edu;%20aambrosi@umd.edu)
9. Senate PCC Chair (jcwb@umd.edu;%20mcolson@umd.edu)
10. University Senate Chair (mcolson@umd.edu)
11. President (mcolson@umd.edu)
12. Chancellor (mcolson@umd.edu)
13. MHEC (mcolson@umd.edu)
14. Provost Office (mcolson@umd.edu)
15. Graduate Catalog Manager (aambrosi@umd.edu)

Approval Path
1. Tue, 19 Nov 2019 14:53:35 GMT
   Xiaoping Zhu (xzhu1): Approved for D-VMSC Chair
   Tyra Monnity (tgallman): Approved for AGNR Curriculum Manager
3. Thu, 05 Dec 2019 16:10:21 GMT
   Mark Carroll (mcarroll): Rollback to Initiator
4. Fri, 06 Dec 2019 16:32:22 GMT
   Xiaoping Zhu (xzhu1): Approved for D-VMSC Chair
5. Thu, 12 Dec 2019 18:30:29 GMT
   Tyra Monnity (tgallman): Approved for AGNR Curriculum Manager
6. Thu, 12 Dec 2019 20:02:01 GMT
   Mark Carroll (mcarroll): Approved for AGNR PCC Chair
7. Thu, 12 Dec 2019 21:07:20 GMT
   Joseph Sullivan (jsull): Approved for AGNR Dean
   Michael Colson (mcolson): Approved for Academic Affairs Curriculum Manager
   Angela Ambrosi (aambrosi): Approved for Graduate School Curriculum Manager
10. Fri, 14 Feb 2020 13:42:03 GMT
    Angela Ambrosi (aambrosi): Approved for Graduate PCC Chair
11. Fri, 21 Feb 2020 15:13:06 GMT
    Steve Fetter (sfetter): Approved for Dean of the Graduate School
    Janna Bianchini (jcwb): Approved for Senate PCC Chair
    Michael Colson (mcolson): Approved for University Senate Chair
    Michael Colson (mcolson): Approved for President
15. Fri, 31 Jul 2020 20:44:32 GMT
    Michael Colson (mcolson): Approved for Chancellor
16. Fri, 31 Jul 2020 20:45:01 GMT
    Michael Colson (mcolson): Approved for MHEC
17. Fri, 31 Jul 2020 20:45:26 GMT
    Michael Colson (mcolson): Approved for Provost Office
History
1. Sep 16, 2019 by Angela Ambrosi (aambrosi)
2. Oct 18, 2019 by William Bryan (wbryan)

Date Submitted: Thu, 05 Dec 2019 17:29:54 GMT

Viewing: 473 : Comparative Biomedical Sciences (CBSC)

Last approved: Fri, 18 Oct 2019 20:23:28 GMT
Last edit: Fri, 31 Jul 2020 20:38:58 GMT

Changes proposed by: Yanjin Zhang (zhangyj)

Proposed Action
Rename Program

Program Name
Comparative Biomedical Sciences (CBSC)

Program Status
Active

Effective Term
Fall 2020

Catalog Year
2020-2021

Program Level
Graduate Program

Program Type
Master’s

Delivery Method
On Campus

Departments

<table>
<thead>
<tr>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veterinary Medicine Program</td>
</tr>
</tbody>
</table>

Colleges

<table>
<thead>
<tr>
<th>College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture and Natural Resources</td>
</tr>
</tbody>
</table>

Program/Major Code
VMSC

MHEC Inventory Program
Veterinary Medical Sciences

CIP Code
512504 - Veterinary Microbiology and Immunobiology.

HEGIS
129958
Degree(s) Awarded

<table>
<thead>
<tr>
<th>Degree Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science</td>
</tr>
</tbody>
</table>

Proposal Contact

Yanjin Zhang: zhangyj@umd.edu, 301-314-6596

Proposal Summary

Change the program name from Veterinary Medical Science (VMSC) to Comparative Biomedical Science (CBSC).

Program and Catalog Information

Catalog Program Requirements:

**Thesis only:** 30 credits

Students with adequate undergraduate training usually complete the master’s degree within two years.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
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<td></td>
<td>Select one graduate level biometrics or biochemistry course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select at least 12 credits of VMSC courses</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Select eight additional credits</td>
<td>8</td>
</tr>
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<td></td>
<td>Total Credits</td>
<td>30</td>
</tr>
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</table>

During the first semester the student selects an advisor, and with the help of the advisor forms an Advisory Committee with the approval by the program’s Graduate Education Committee. By the end of the second semester with the advice of the Advisory Committee, the student files a proposed schedule of course work including at least one credit of seminar (VMSC698). A minimum of 24 semester with hours of graduate courses and six hours of thesis research credit (VMSC799) is required for the degree. No less than 12 credits should be from courses 600 level or higher; at least 12 credits must be earned in the major subject. Three credits of graduate biometrics or biochemistry and one seminar credit (VMSC698) are required. No more than two credits of Special Problems (VMSC699) are acceptable as part of the 24 required course credits.

Students must maintain an overall GPA of 3.0 or better in courses taken for graduate credit. The committee may require remedial courses if the student enters with inadequate prerequisites or deficiencies in the undergraduate program. By the end of the second semester, a thesis research proposal must be approved and filed. The student must present the thesis in a public seminar and pass a final oral examination given by the Advisory Committee.

Details on the Graduate School policy on the Master’s Thesis Examination may be found in the Graduate School Catalog at [http://www.gradschool.umd.edu/catalog/masters_degree_policies.htm](http://www.gradschool.umd.edu/catalog/masters_degree_policies.htm). The thesis must be submitted to the Graduate School in electronic format after final approval of the document by the Thesis Examining Committee. See the University of Maryland Thesis and Dissertation Style Guide ([http://www.gradschool.umd.edu/etd](http://www.gradschool.umd.edu/etd)) for the details of this process.

Program Modification Information

Impact on current students. It should be specifically acknowledged that students enrolled in the program prior to the effective date of any curriculum change may complete their program under the old requirements if they wish. The courses required must remain available, or suitable substitutions specifically designated.

Just the program name change. There is no impact on current students.

Linked Programs

Renaming Program

Provide a rationale for renaming the program.

The Department of Veterinary Medicine operates the Veterinary Medical Sciences (VMSC) graduate program, which concentrates on zoonotic infectious disease research. The VMSC graduate program offers Master of Science (MS) and Doctor of Philosophy (Ph.D.) degrees in the academic fields of veterinary medical, biomedical, and comparative medical sciences.

The current name, VMSC, is often misinterpreted as a professional track for those desiring to become practicing veterinarians. However, the VMSC program focuses on a much broader spectrum with educating the next generation of scientists in the techniques and approaches to analyze infectious diseases and therapeutic development. We sincerely believe that this misinterpretation is based solely on the program name and is actively discouraging applicants. The change is necessary for the development and success of the graduate education program in the Department of Veterinary Medicine.
Changing the graduate program name to Comparative Biomedical Sciences (CBSC) more closely aligns with the academic and training of the degree program and conforms with the department’s research areas of virology, bacteriology, immunology, epidemiology, and vaccinology. Currently, several other research-based Veterinary schools across the country, including Louisiana State University, University of Wisconsin-Madison, University of Georgia, Iowa State University, North Carolina State University, and Cornell University, successfully use the name of Comparative Biomedical Sciences as a graduate program title.

The proposed name change from VMSC to CBSC has been fully endorsed by all faculty members in the graduate program. This change will clearly define the goals of the graduate program and ultimately attract students who are interested in our research.

**Supporting Documents**

**Administrative Documents**

- Presidential_Approval_19-20-41.pdf
- 20252 UMCP Title Change MS Veterinary Medical Sciences.pdf
- Chancellor Approval Letter Rename UMCP MS and PhD in Veterinary Medical Science Programs 7-1-2020.pdf

**Reviewer Comments**

**Mark Carroll (mcarroll) (Thu, 05 Dec 2019 16:10:21 GMT):** Rollback: Please remove the attachment and all wording pertaining to changes in the program curriculum from the proposal, and then resubmit. Curriculum changes are a separate item from a program name change and need to submitted as a separate proposal.

Key: 473
Program Change Request

Date Submitted: 12/05/19 12:29 pm

Viewing: **473: Comparative Biomedical Sciences (CBSC)** Veterinary Medical Sciences (VMSC)

Last approved: 10/18/19 4:23 pm

Last edit: 07/31/20 4:38 pm

Changes proposed by: Yanjin Zhang (zhangyj)

Catalog Pages Using this Program
- Veterinary Medical Sciences, Master of Science (M.S.)

Proposed Action

Rename Program

In Workflow
1. D-VMSC Chair
2. AGNR Curriculum Manager
3. AGNR PCC Chair
4. AGNR Dean
5. Academic Affairs Curriculum Manager
6. Graduate School Curriculum Manager
7. Graduate PCC Chair
8. Dean of the Graduate School
9. Senate PCC Chair
10. University Senate Chair
11. President
12. Chancellor
13. MHEC
14. Provost Office
15. Graduate Catalog Manager

Approval Path
1. 11/19/19 9:53 am
   Xiaoping Zhu (xzhu): Approved for D-VMSC Chair
2. 11/25/19 12:30 pm
   Tyra Monnity (tgallman): Approved for AGNR Curriculum Manager
3. 12/05/19 11:10 am  
Mark Carroll  
(mcarroll): Rollback to Initiator

4. 12/06/19 11:32 am  
Xiaoping Zhu  
(xzhu1): Approved for D-VMSC Chair

5. 12/12/19 1:30 pm  
Tyra Monnity  
(tgallman): Approved for AGNR Curriculum Manager

6. 12/12/19 3:02 pm  
Mark Carroll  
(mcarroll): Approved for AGNR PCC Chair

7. 12/12/19 4:07 pm  
Joseph Sullivan  
(jsull): Approved for AGNR Dean

8. 01/22/20 5:27 pm  
Michael Colson  
(mcolson): Approved for Academic Affairs Curriculum Manager

9. 02/07/20 10:19 am  
Angela Ambrosi  
(aambrosi): Approved for Graduate School Curriculum Manager

10. 02/14/20 8:42 am  
Angela Ambrosi  
(aambrosi): Approved for
Graduate PCC Chair
11. 02/21/20 10:13 am
Steve Fetter
(sfetter): Approved for Dean of the Graduate School
12. 04/15/20 11:05 am
Janna Bianchini
(jcwb): Approved for Senate PCC Chair
13. 07/31/20 4:39 pm
Michael Colson
(mcolson): Approved for University Senate Chair
14. 07/31/20 4:42 pm
Michael Colson
(mcolson): Approved for President
15. 07/31/20 4:44 pm
Michael Colson
(mcolson): Approved for Chancellor
16. 07/31/20 4:45 pm
Michael Colson
(mcolson): Approved for MHEC
17. 07/31/20 4:45 pm
Michael Colson
(mcolson): Approved for Provost Office

History
1. Sep 16, 2019 by Angela Ambrosi
   (aambrosi)
**Comparative Biomedical Sciences (CBSC) Veterinary Medical Sciences (VMSC)**

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<thead>
<tr>
<th>Program Status</th>
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<tr>
<td>Effective Term</td>
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<td>Program Level</td>
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<td>Program Type</td>
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<td>Departments</td>
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<td>CIP Code</td>
<td>512504 - Veterinary Microbiology and Immunobiology.</td>
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<tr>
<td>HEGIS</td>
<td>129958</td>
</tr>
<tr>
<td>MHEC Recognized Area(s) of Concentration</td>
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</tr>
<tr>
<td>Degree(s) Awarded</td>
<td>Master of Science</td>
</tr>
</tbody>
</table>

If other, new degree award:

**Proposal Contact**

**Yanjin Zhang: zhangyj@umd.edu, 301-314-6596**
Proposal Summary

Change the program name from Veterinary Medical Science (VMSC) to Comparative Biomedical Science (CBSC).

Program and Catalog Information

Provide the catalog description of the proposed program. As part of the description, please indicate any areas of concentration or specializations that will be offered.

Catalog Program Requirements:

**Thesis only:** 30 credits

Students with adequate undergraduate training usually complete the master's degree within two years.

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Sample plan. Provide a term by term sample plan that shows how a hypothetical student would progress through the program to completion. It should be clear the length of time it will take for a typical student to graduate. For undergraduate programs, this should be the four-year plan.

List the intended student learning outcomes. In an attachment, provide the plan for assessing these outcomes.

**Program Modification Information**

Impact on current students. It should be specifically acknowledged that students enrolled in the program prior to the effective date of any curriculum change may complete their program under the old requirements if they wish. The courses required must remain available, or suitable substitutions specifically designated.

**Just the program name change. There is no impact on current students.**

**Linked Programs**

Indicate in the space below all programs to which this program is formally linked (e.g., approved combined bachelor's/master's programs, dual master's programs, or joint-programs with other universities). If the proposed modification will affect the linked program, provide as an attachment the new curriculum for each arrangement and provide supporting correspondence from the director of the linked program.

**Renaming Program**
Provide a rationale for renaming the program.

The Department of Veterinary Medicine operates the Veterinary Medical Sciences (VMSC) graduate program, which concentrates on zoonotic infectious disease research. The VMSC graduate program offers Master of Science (MS) and Doctor of Philosophy (Ph.D.) degrees in the academic fields of veterinary medical, biomedical, and comparative medical sciences.

The current name, VMSC, is often misinterpreted as a professional track for those desiring to become practicing veterinarians. However, the VMSC program focuses on a much broader spectrum with educating the next generation of scientists in the techniques and approaches to analyze infectious diseases and therapeutic development. We sincerely believe that this misinterpretation is based solely on the program name and is actively discouraging applicants. The change is necessary for the development and success of the graduate education program in the Department of Veterinary Medicine.

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The proposed name change from VMSC to CBSC has been fully endorsed by all faculty members in the graduate program. This change will clearly define the goals of the graduate program and ultimately attract students who are interested in our research.
Reviewer
Comments

**Mark Carroll (mcarroll) (12/05/19 11:10 am):** Rollback: Please remove the attachment and all wording pertaining to changes in the program curriculum from the proposal, and then resubmit. Curriculum changes are a separate item from a program name change and need to submitted as a separate proposal.

Key: 473
April 10, 2020

Dr. James D. Fielder, Jr.
Secretary of Higher Education
Maryland Higher Education Commission
6 N. Liberty Street
Baltimore, MD 21201

Dear Secretary Fielder:

I am writing to request approval for a proposal by our College of Agriculture and Natural Resources to change the name of its Master of Science program in “Veterinary Medical Science” (HEGIS: 129958; CIP: 512504) to “Comparative Biomedical Sciences.” The curriculum for the program is not changing. In a separate proposal, we also request the same title change for the Ph.D. program in Veterinary Medical Science.

We request these changes in order to distinguish these research-oriented programs from the college’s professional Doctor of Veterinary Medicine (D.V.M.). The D.V.M. is offered on the Virginia Tech campus and jointly administered by the University of Maryland and Virginia Tech through the Virginia-Maryland College of Veterinary Medicine. The D.V.M. is a practitioner program designed for those students who wish to pursue a career as a veterinarian. In contrast, the Veterinary Medical Sciences M.S. and Ph.D. programs (offered on the College Park campus) are focused on educating the next generation of scientists in the techniques for and approaches to analyzing infectious diseases and therapeutic development.

The name change to Comparative Biomedical Sciences is intended to help students better distinguish the goals of the research-based program from the professional doctorate. Comparative Biomedical Sciences covers both basic and applied veterinary and biomedical sciences for improving animal, human, and environmental health. The integration of the animal, human, and environmental health is a relatively new thrust in the field, known as “One Health.” Several graduate programs, at the colleges of veterinary medicine in comparable universities, have already adopted the Comparative Biomedical Sciences title.

This proposal has been endorsed by the appropriate faculty and administrative committees. I have accepted this recommendation and request approval. This request is also being sent concurrently to the Chancellor of the University System of Maryland.
Sincerely,

Wallace D. Loh
President

WDL/mdc

cc: Antoinette Coleman, Associate Vice Chancellor for Academic Affairs
    Mary Ann Rankin, Senior Vice President and Provost
    Craig Beyrouty, Dean, College of Agriculture and Natural Resources