

July 16, 2007

To: Robert Fink, Undergraduate Council Chair  
Stuart Brown, Undergraduate Council Chair Designate

From: Vivek Shetty, Academic Senate Chair

RE: Appendix V Actions

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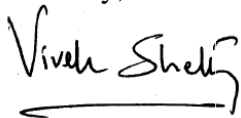
Dear Colleagues:

Attached please find two proposals for the amicable disestablishment of (1) the Plant Biology Degree and (2) the Plant Biotechnology Degree. The proposals each require Academic Senate approval. However, as there is consensus between the FEC and relevant departmental faculties, these proposals qualify for “Alternative Dispute Resolution” under Appendix V, which expedites Senate review by limiting review only to the primary curricular committee, in this case, the Undergraduate Council. Final approval of the proposals will still require Legislative Assembly approval.

I realize that most committees have completed their work for the academic year. I trust that this matter can be taken up as soon as possible in the fall. If that is the case, kindly direct your response to my successor, Elizabeth Bjork.

Thank you in advance for your assistance with this matter.

Sincerely,



Vivek Shetty  
Academic Senate Chair

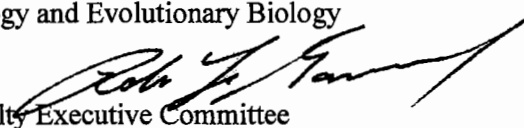
Cc: Elizabeth Bjork, Academic Senate Vice Chair and Chair Elect  
Jaime Balboa, Academic Senate CAO  
Francine Alexander, Institutional Coordinator, AIM  
Tom Nykiel, Undergraduate Council Principal Analyst

# UCLA MEMORANDUM

Office of the Deans  
UCLA College  
2300 Murphy Hall  
143801

May 24, 2007  
EC8479

To: Pegg Fong, Vice Chair, Undergraduate Studies  
Department of Ecology and Evolutionary Biology

From: Robin Garrell, Chair   
UCLA College Faculty Executive Committee

**Re: Proposal to Disestablish the Plant Biology Degree**

I am pleased to inform you that at its May 4, 2007 meeting, the Faculty Executive Committee (FEC) of the UCLA College unanimously approved the request from the Department of Ecology and Evolutionary Biology to disestablish the Plant Biology Bachelor of Science degree, as described in your proposal dated April 17, 2007 (copy attached).

This request was a discussion item on the agenda. The effective date approved was Fall 2007, as requested. Your proposal will be forwarded to the Undergraduate Council for final approval. They will inform you of their decision. The FEC respectfully requests that the Undergraduate Council undertake a friendly Appendix V action for this proposal.

The FEC appreciates and thanks you for your efforts to revitalize your curriculum.

Attachment

cc: Francine Alexander  
Kim Alexander  
Randy Cirilo  
Kathleen Copenhaver  
Robert Fink  
Penny Hein-Unruh  
Leann Hennig  
Robert Kilgore  
Masai Minters  
Roxanne Neal  
Alison Nickerson  
Tom Nykiel



DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY  
621 CHARLES E. YOUNG DRIVE SOUTH  
BOX 951606  
LOS ANGELES, CALIFORNIA 90095-1606  
FAX: (310) 206-3987

April 17, 2007

To: Robin Garrell  
Chair, UCLA College Faculty Executive Committee  
UCLA College  
A265 Murphy Hall  
Box 157101

From: Peggy Fong, Vice Chair Undergraduate Studies  
Department of Ecology and Evolutionary Biology

Re: Disestablishment of the Plant Biology major B.S.

Dear Dr. Garrell:

The Department of Ecology and Evolutionary Biology (EE Biol) proposes to disestablish the Plant Biology major and its B.S. degree, effective Fall 2007. On October 9, 2006, the faculty of Ecology and Evolutionary Biology met and voted to approve this action with 17 in favor, zero opposed, and one abstention.

The Plant Biology was first established as a separate major program from the general Biology major in Fall 1998. The program has continually experienced low numbers since its inception. In the past two years, the major has held no more than eight students, with a lower limit of four students. During this time, only three students have graduated, all in Spring 2006.

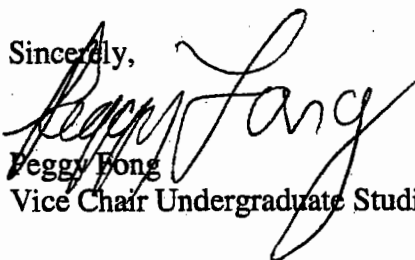
There are currently four students in the major: one junior and three sophomores. One of the four students has indicated to the department that she will be switching to a non-science major by the end of Spring 2007. The remaining three students have completed no major courses as of this writing. Each is more than one year away from graduating and will be offered the option to switch to the Biology or Ecology, Evolution, and Behavior (EBE) majors through Spring 2008, while being granted credit for any coursework that would have counted on the Plant Biology major, but not on their new major. We anticipate that most of these students will opt for the Biology major where most plant biology courses are already accepted, so the transition should be relatively straightforward.

Two years ago, we consulted with the Department of Molecular, Cell and Developmental Biology (MCD Bio) in an effort to fuse together the Plant Biology major with their Plant Biotechnology major in an IDP. But since that time, a shift in focus and faculty retirements within our department rendered this option no longer viable. We understand that the MCD Bio faculty has also recently voted (March 12, 2007) to disestablish their Plant Biotechnology major and have already submitted a proposal to formally do so.

Disestablishing the Plant Biology major should not have a widespread effect on future University of California matriculates with aspirations to pursue a plant biology curriculum. We still have several plant ecologists and evolutionary biologists in the department for students to study under and the Biology or EBE major would accommodate people with plant interests. In addition, prospective plant biologists currently have many options within the UC system including Berkeley, Davis, Irvine, Riverside, and Santa Cruz.

Thank you in advance for your consideration of this proposal. If you have any further questions, please contact Dr. Peggy Fong at x55444 (pfong@biology.ucla.edu) or Mark Gray at x51680 (markg@lifesci.ucla.edu).

Sincerely,



Peggy Fong  
Vice Chair Undergraduate Studies



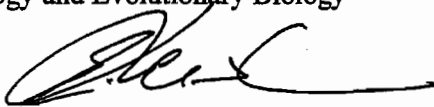
# MEMORANDUM

Office of the Dean of Life Sciences  
UCLA College  
2300 Murphy Hall  
143801

DATE: April 17, 2007

TO: Letters and Science Executive Committee

CC: Peggy Fong, Vice Chair Undergraduate Studies  
Department of Ecology and Evolutionary Biology

FROM: Emil Reisler, Dean   
Life Sciences

RE: Letter of support for Disestablishment of the Plant Biology major B.S.

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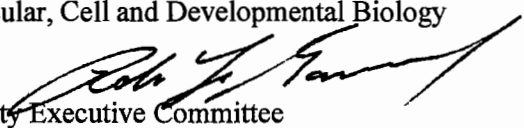
The proposed disestablishment of the major in Plant Biology – in the Department of Ecology and Evolutionary Biology (EEB) – has the full support of the Division of Life Sciences. This program, started in Fall 1998, has not attracted a sufficient number of students to justify its continuation, with only four to eight students selecting this major in the last two years. The Department has a plan to transition the few students in the Plant Biology major – none of whom completed any coursework in the major - to other existing majors in the department.

# UCLA MEMORANDUM

Office of the Deans  
UCLA College  
2300 Murphy Hall  
143801

April 25, 2007  
EC8475

To: Luisa Iruela-Arispe, Vice Chair  
Department of Molecular, Cell and Developmental Biology

From: Robin Garrell, Chair   
UCLA College Faculty Executive Committee

**Re: Proposal to Disestablish the Plant Biotechnology Degree**

I am pleased to inform you that at its April 6, 2007 meeting, the Faculty Executive Committee (FEC) of the UCLA College unanimously approved the request from the Department of Molecular, Cell and Developmental Biology to disestablish the Plant Biotechnology Bachelor of Science degree, as described in your proposal dated March 23, 2007 (copy attached).

This request was a discussion item on the agenda. The effective date approved was Fall 2007, as requested. Your proposal will be forwarded to the Undergraduate Council for final approval. They will inform you of their decision. The FEC respectively requests that the Undergraduate Council undertake a friendly Appendix V action for this proposal.

The FEC appreciates and thanks you for your efforts to revitalize your curriculum.

## Attachment

cc: Francine Alexander  
Kim Alexander  
Randy Cirilo  
Kathleen Copenhaver  
Robert Fink  
Penny Hein-Unruh  
Leann Hennig  
Robert Kilgore  
Masai Minters  
Roxanne Neal  
Alison Nickerson  
Tom Nykiel



March 23, 2007

# MEMORANDUM

Department of Molecular, Cell and Developmental Biology  
160606

TO: Faculty Executive Committee  
College of Letters and Science  
A-265 Murphy Hall 143801

From: Luisa Iruela-Arispe, Vice Chair  
Molecular, Cell and Developmental Biology Department

Re: Disestablishment of the Plant Biotechnology major B.S.

The Department of Molecular, Cell and Developmental Biology (MCDB) proposes to disestablish the Plant Biotechnology major and its B.S. degree, effective Fall 2007. On March 12, 2007, the faculty of Molecular, Cell and Developmental Biology met and voted unanimously to propose this action.

The Plant Biotechnology major originally went into effect in Winter 2002. Our initial proposal for this major, dated May 30, 2001, stated the following:

It is projected at this time that the major will be a small one. Initially, we expect less than 5 students; however we plan for the major to grow to at least 25 students within 2-3 years.

But at no time since Winter 2002, have there been more than three students in the Plant Biotechnology major. There are currently three students in the major, two juniors and one freshman. None has completed more than two major courses as of this writing. As all three are more than one year away from graduating, all three students will be offered the option to switch to the Molecular, Cell, and Developmental Biology (MCDB) major through Spring 2008, while being granted credit for any coursework that would have counted on the Plant Biotechnology major, but not on the MCDB major.

Two years ago, we consulted with the Department of Ecology & Evolutionary Biology (EEB) in an effort to fuse together the Plant Biotechnology major with their Plant Biology major in an IDP. But since that time, a shift in focus and faculty retirements within Ecology & Evolutionary Biology rendered this option no longer viable. We understand that the EEB faculty has also recently voted to disestablish their Plant Biology major and will soon seek to do so formally.

Thank you in advance for your consideration of this proposal. Should you have any questions, or require further information, please contact Dr. Pamela Hurley in our Student Affairs Office (X57109 or [pamelah@mcdb.ucla.edu](mailto:pamelah@mcdb.ucla.edu)).

Sincerely,

Luisa Iruela-Arispe  
Vice Chair



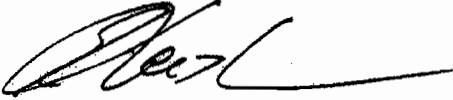
# MEMORANDUM

Office of the Deans  
UCLA College  
2300 Murphy Hall  
143801

March 26, 2007

TO: Faculty Executive Committee

CC: Luisa Iruela-Arispe, Vice Chair, Molecular, Cell and Developmental Biology  
Department

FROM: Emil Reisler, Dean   
Life Sciences Division

RE: Disestablishment of the Plant Biotechnology major B.S.

I am writing to express my agreement with the proposal submitted by the faculty of the MCDB department to disestablish the plant biotechnology major and its B.S. degree, due to the fact that the major never reached its projected enrollment and did not attract a sufficient number of students.

If granted, this change would be effective in the Fall of 2007 and the 3 students who are enrolled in the major will be offered the opportunity to pursue their course of study within the MCDB major should they so decide.

Thank you.

# UCLA General Catalog 2005-2007 Archival Edition

[Contents](#)   [About UCLA](#)   [College/Schools](#)   [Curricula/Courses](#)   [Updates](#)  
[Schedule](#)   [Catalog](#)   [Calendars](#)   [Fees](#)   [Forms](#)   [Archives](#)   [MyUCLA](#)   [URSA](#)   [Registrar Home](#)



## Molecular, Cell, and Developmental Biology Undergraduate Study

### Molecular, Cell, and Developmental Biology B.S.

The Bachelor of Science degree in Molecular, Cell, and Developmental Biology (MCDB) is designed especially for students who intend to go on to postgraduate work in biology or medicine and for students aiming for entry-level positions in biotechnology-related fields. Students are exposed to basic biological and molecular concepts underlying recent technical advances in molecular, cell, and developmental biology of animals and plants. Areas of emphasis include cell biology, immunology, molecular biology, plant biology, developmental biology, and neurobiology, among others.

#### Preparation for the Major

##### Life Sciences Core Curriculum

**Required:** Life Sciences 1, 2, 3, 4; Chemistry and Biochemistry 14A, 14B, 14BL, 14C, 14CL, and 14D, or 20A, 20B, 20L, 30A, 30AL, 30B, and 30BL; Mathematics 3A, 3B, and 3C, or 31A, 31B, and 32A; Physics 1A, 1B, 1C, 4AL, and 4BL, or 6A, 6B, and 6C.

All core curriculum courses must be passed with a grade of C- or better and must be completed with an overall grade-point average of 2.0 or better. Students receiving a grade of D or F in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

##### Transfer Students

Transfer applicants to the Molecular, Cell, and Developmental Biology major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 1 and 2, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the *UCLA Transfer Admission Guide* at [http://www.admissions.ucla.edu/prospect/adm\\_tr.htm](http://www.admissions.ucla.edu/prospect/adm_tr.htm) for up-to-date information regarding transfer selection for admission.

##### The Major

**Required Courses:** Chemistry and Biochemistry 153A, 153L, Molecular, Cell, and Developmental Biology 100 or C139 or M140 or 165A, 104, 138 or C141, 144.

**Electives:** At least 20 upper division elective units, of which at least 10 must be in courses offered by the department. Any upper division departmental course, except Molecular, Cell, and Developmental Biology 192A, 192B, or 199, is acceptable. The following courses outside the department may be taken to satisfy a maximum of 10 units in this category: Biological Chemistry CM153G, Biomathematics 160 or Statistics 100A, Chemistry and Biochemistry 153C, 156, C159A, C159B, C160, Ecology and Evolutionary Biology 110, 121, 146, 157, 162, Life Sciences 100HA or 100HB or 100HC, Microbiology, Immunology, and Molecular Genetics 101, 102, C106, C159, C168, C174, 185A, Physiological Science C126, 166.

**Laboratory:** At least 4 units of upper division laboratory experience selected from Chemistry and Biochemistry 154, Ecology and Evolutionary Biology M158, 162, Life Sciences 100HA or 100HB or 100HC, Microbiology, Immunology, and Molecular Genetics 101 and 101L (both courses must be taken), 102 and 102L (both courses must be taken), Molecular, Cell, and Developmental Biology 120, 155, 198A through 198D, 199, 199A through 199D, Physiological Science 166.

A maximum of 12 units of Molecular, Cell, and Developmental Biology 198A through 198D or 199A through

199D and no more than one course from 199 may be applied toward the major. Credit for 199 courses from other departments may not be applied except by petition.

Any single course may be applied toward only one category within the major (e.g., course C141 may be applied toward the required or elective category but not toward both).

Courses applied toward requirements for preparation for the major and the major must be taken for a letter grade. Majors must earn a C- or better in each preparation for the major course, and at least a 2.0 (C) overall average in all courses applied toward the major.

\*

The Plant Biotechnology major is designed to prepare students for careers in biotechnology or for entrance into graduate school. Industries, particularly those that have traditionally dealt with agricultural products, are increasingly turning to biotechnology to improve the production as well as the nutritional value of food. These emerging industries are also developing products to lessen the dependence on nonrenewable resources and to restore soil and water quality. Students are trained in plant biology as well as in concepts and techniques in molecular biology. These skills should enable students who successfully complete the curriculum to find challenging careers in the diverse biotechnology arena, academics, industry, or government.

### Preparation for the Major

#### Life Sciences Core Curriculum

**Required:** Life Sciences 1, 2, 3, 4; Chemistry and Biochemistry 14A, 14B, 14BL, 14C, 14CL, and 14D, or 20A, 20B, 20L, 30A, 30AL, 30B, and 30BL; Mathematics 3A, 3B, and 3C, or 31A, 31B, and 32A; Physics 1A, 1B, 1C, 4AL, and 4BL, or 6A, 6B, and 6C; Statistics 13.

All core curriculum courses must be passed with a grade of C- or better and must be completed with an overall grade-point average of 2.0 or better. Students receiving a grade of D or F in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

#### Transfer Students

Transfer applicants to the Plant Biotechnology major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 1 and 2, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the *UCLA Transfer Admission Guide* at [http://www.admissions.ucla.edu/prospect/adm\\_tr.htm](http://www.admissions.ucla.edu/prospect/adm_tr.htm) for up-to-date information regarding transfer selection for admission.

### The Major

**Required:** A minimum of 10 courses as follows:

Group 1: Chemistry and Biochemistry C160, Ecology and Evolutionary Biology 162, Molecular, Cell, and Developmental Biology 104, 120, C141 or C150, and 4 units of plant biology laboratory internship (Molecular, Cell, and Developmental Biology 198A and 198B, or 199, or 199A and 199B).

Group 2: Four additional courses selected from Chemical Engineering C115, C125, Chemistry and Biochemistry 110A, 156, Ecology and Evolutionary Biology 121 or Molecular, Cell, and Developmental Biology 144, Microbiology, Immunology, and Molecular Genetics 101 and 101L (counts as one course), 102 and 102L (counts as one course), C120, C133 (counts as a half course), and any courses in Group 1 not applied toward Group 1.

Courses applied toward requirements for preparation for the major and the major must be taken for a letter grade. Majors must earn a C- or better in each preparation for the major course, and at least a 2.0 (C) overall average in all courses applied toward the major.

### Honors Program

#### Admission

The honors program provides exceptional Molecular, Cell, and Developmental Biology and Plant Biotechnology majors with the opportunity to do research culminating in an honors thesis. Junior and senior majors who have completed all university-level coursework, including all preparation courses and requirements for the major with an overall grade-point average of 3.0 or better and a 3.5 GPA or better in the required major courses, may apply for admission to the honors program. Students must have the

sponsorship of an approved faculty adviser; those intending to pursue highest honors must have faculty sponsorship from within the department.

For further information and application forms, students should consult the Student Affairs Office, 2128 Life Sciences, early in their educational planning. Completed applications should be submitted at least two weeks prior to the term in which students plan to begin the honors program.

### **Requirements**

The core of the program consists of at least one undergraduate seminar selected from Molecular, Cell, and Developmental Biology C174A through C174D and three research courses (12 units minimum) from 198A, 198B, and 198C, culminating in a thesis.

To qualify for graduation with honors, students must satisfactorily complete all requirements for the honors program and the major and obtain at least an overall 3.0 grade-point average and a 3.5 GPA or better in coursework required for the major. On recommendation by the faculty sponsor and with approval of the thesis by the departmental honors committee, students are awarded no honors, departmental honors, or highest departmental honors.

At the discretion of the departmental honors committee, students who have (1) a GPA of 3.6 or better, both overall and in the major, (2) research sponsorship from a faculty adviser within the department, and (3) demonstrated exceptional accomplishment on the research thesis are awarded highest departmental honors.

### **Computing Specialization**

Majors in Molecular, Cell, and Developmental Biology and Plant Biotechnology may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the major, (2) completing Program in Computing 10A, 10B, 10C, 30, and 60, and (3) completing one course from Computer Science M186B or Ecology and Evolutionary Biology C159. A grade of C- or better is required in each course, with a combined grade-point average in the specialization of at least 2.0. Students must petition for admission to the program and are advised to do so after completing Program in Computing 10B (petitions should be filed in the Student Affairs Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

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