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Physics I, Episode 2: Biological Physics.

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Education for Science Majors: (AISS)**

~~What Does Diversity Have to Do with  
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~~Happiness, You Create It | Katarina Blom |~~  
~~TEDxGöteborg~~ Does God Exist? 4 New  
Arguments How To Say Heterochrony  
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*Biological Progress Transform the World?*

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~~and Experiences "The Ideal~~

~~Education" Sir Ken Robinson with~~

~~Sadhguru Rob Phillips (Cal Tech): A~~

*Vision for Quantitative Biology Bio2010*

*Transforming Undergraduate Education*

*For*

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Education for Future Research Biologists.

Washington, DC: The National Academies Press. <https://doi.org/10.17226/10497>.

*BIO2010: Transforming Undergraduate Education for Future ...*

Bio2010 : transforming undergraduate education for future research biologists /

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Committee on Undergraduate Biology  
Education to Prepare Research Scientists  
for the 21st Century, Board on Life  
Sciences, Division on Earth and Life  
Studies, the National Research Council of  
the National Academies.

*BIO2010: Transforming Undergraduate*

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*Education for Future ...* Education

Bio2010: Transforming Undergraduate  
Education for Future Research Biologists.

National Research Council (US)

Committee on Undergraduate Biology

Education to Prepare Research Scientists

for the 21st Century. Washington (DC):

National Academies Press (US); 2003.

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education for future research biologists /

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Committee on Undergraduate Biology Education to Prepare Research Scientists for the 21st Century, Board on Life Sciences, Division on Earth and Life Studies, the National Research Council of the National Academies. p. cm. Includes bibliographical references and index.

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*BIO2010: Transforming Undergraduate Education for Future ...*

Amazon.com: BIO 2010: Transforming Undergraduate Education for Future Research Biologists (9780309085359): National Research Council, Division on Earth and Life Studies, Board on Life Sciences, Committee on Undergraduate

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Scientists for the 21st Century: Books

*Amazon.com: BIO 2010: Transforming  
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BIO2010: Transforming Undergraduate  
Education for Future Research Biologists.

The report discusses incorporating more

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math, physics, chemistry, engineering and computer science into classes and laboratory work and emphasizing independent research will help undergraduate education reflect real-world science. Schools, professional societies and funding agencies should develop new teaching materials and facilitate faculty

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collaboration. Undergraduate Education

For Future Research

*BIO2010: Transforming Undergraduate  
Education for Future ...*

The National Academies' report,  
Bio2010: Transforming Undergraduate  
Education for Future Research Biologists ,  
identifies potential changes in

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undergraduate education designed to improve the preparation of students in the life sciences, with a particular emphasis on the education needed for

*BIO 2010: Transforming Undergraduate Education for Future ...*

This article presents a report entitled

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"Bio2010: Transforming Undergraduate Education for Future Research Biologists."  
The report is the product of an 18-month study by a committee of 11 eminent scientists. It examines ways to integrate mathematics and physical and information sciences into the education of undergraduate biology students.

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*ERIC - EJ852326 - Fueling Educational Reform: "Bio2010 ...*

In 2003, the National Research Council (NRC) published *Bio2010: Transforming Undergraduate Education for Future Research Biologists*, 1 which outlines a strategy to improve the quantitative skills

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and math, chemistry, and physics  
comprehension of undergraduate biology  
students preparing for biomedical careers.

The report also encourages faculty to  
implement teaching strategies that prepare  
future research biologists to become more  
engaged in their own learning and that  
promote the skills ...

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*AIBS Education Office | The Influence of  
Bio2010 : Results ...*

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The National Research Council completed

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a major study of undergraduate biology education, BIO 2010? Transforming Undergraduate Education For Future Research Biologists (BIO 2010), funded by the Howard Hughes Medical Institute and the National Institutes of Health.

*A response to BIO 2010: Transforming*  
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*undergraduate...* Education

National Research Council (US)

Committee on Undergraduate Biology

Education to Prepare Research Scientists

for the 21st Century. Bio2010:

Transforming Undergraduate Education

for Future Research Biologists.

Washington (DC): National Academies

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*Biographical Information on Committee  
Members - Bio2010 ...*

The National Research Council's (NRC)  
study Bio2010: Transforming  
Undergraduate Education for Future  
Research Biologists (1) presents

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Recommendations for educating  
undergraduate students planning...

*Bio2010 Misinterpreted? | Science*

While Bio2010 strongly urges upgrading  
course content, the need for students to  
participate actively in research is  
presented as an essential component of

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Undergraduate biology education. Bio2010 suggests project-based laboratory exercises, seminar courses with project components, independent research for credit, and interdisciplinary courses in modeling. For help in developing or upgrading these activities, a variety of sources is identified.

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*Review of: Bio2010: transforming  
undergraduate education ...*

Transforming Undergraduate Education in  
Biology: Mobilizing the Community for  
Change. The disciplines of biology and  
science education have undergone a  
revolution in the past two decades. The

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major focus of the biological sciences – understanding life – remains unchanged, but breakthrough discoveries of the second half of the 20th century ...

*Vision and Change in Undergraduate  
Biology Education*

National Research Council. 2003.

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BIO2010: Transforming Undergraduate Education for Future Research Biologists. Washington, DC: The National Academies Press. National Research Council. 2009. A New Biology for the 21st Century. Washington, DC: The National Academies Press.

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*Vision and Change in Undergraduate  
Biology Education | NSF ...*

The recently issued committee report,  
called Bio2010: Transforming  
Undergraduate Education for Future  
Research Biologists(National Research  
Council, 2003), makes eight  
recommendations designed to inspire

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changes in undergraduate biology education that are tuned to these new realities.

Biologists

*Commentary: Bio2010—New Challenges for Biology Educators ...*

BIO2010: Transforming Undergraduate Education for Future Research Biologists.

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Committee on Undergraduate Biology  
Education to Prepare Research Scientists  
for the 21st Century, Board on Life  
Sciences, National Research Council.

*Biological ESTEEM: Excel Simulations  
and Tools for ...*

The AAC&U Conference on

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Transforming Undergraduate Higher Education  
For Future Research Biologists

questions and examines the entire range of contemporary challenges to—and opportunities for—STEM higher education reform. This conference focuses on advancing undergraduate STEM education reform that brings diverse perspectives and world-views to bear on levers of

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