



# Biotechnology and the Design of Human Life

**A Five-Day Residential Seminar  
for Secondary Teachers  
in Humanities and Sciences**

SPONSORED BY

Bioethics-In-Action, Inc.,  
Cambridge, MA

The Integral Program,  
Saint Mary's College  
of California

The BEIA/Integral Program  
2004 Summer Teacher's Institute

**June 20 – 25, 2004**

Saint Mary's College  
Moraga, California

## *Future Hopes and Challenges*

Examine ethical questions  
concerning three compelling issues in  
the application of biotechnology:

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Extending Human Life-Spans

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Enhancing Human  
Performance and Capacity

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Modifying Moods and  
Social Behavior

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This seminar prepares teachers  
to develop course offerings for  
today's students, who will face the  
ethical dilemmas and complications  
of these technical efforts  
throughout the 21st Century.

### **Who Should Attend**

The BEIA Institute is for teachers,  
grades 7-12, who are interested in  
learning about the ethical issues  
related to biotechnology, and about  
curricular approaches to exploring  
them with their students.

BEIA Institutes bring history and  
literature to bear on biotechnology.  
This is not a science and  
technology course. Educators from  
all parts of the curriculum are  
encouraged to apply.

### **Institute Objectives**

The objectives of *Biotechnology and the Design of Human Life: Future Hopes and Challenges* are to:

- Enable teachers to explore specific ethical challenges of biotechnology in the context of fundamental questions about the nature of human life.
- Provide practical training in techniques to investigate those challenges through discussion of short literary texts and films.
- Make available resources and bibliographies that will assist teachers in formulating curricular approaches to meet the specific needs of their students.



**Biotechnology**  
**Design of Human Life**  
*Future Hopes  
and Challenges*

## Educational Approach

We believe that one mode of effective teaching is to integrate discussion of contemporary problems with vivid intellectual engagement in classical and modern texts.

We seek above all to engage teachers as co-participants—as thoughtful citizens, eager to learn about and freely discuss the issues of bioethics.

Participant teams will develop curricular models based on a specific bioethics topic for use in their classrooms. These models become part of a curricular bibliography made available to the entire group.

## Instructors

**JIM FORKIN** teaches in the Integral Program of Saint Mary's College of California, and has been an advisor on ethical issues for the National Center for Genome Research.

**DAVID NEIDORF** is currently Director of the Integrated Studies Program, Middlebury College, VT, and a board member of Bioethics-In-Action, Inc.

## Post-Institute Support

Bioethics-In-Action (BEIA) is committed to assisting educators to develop and implement bioethics curricula. Institute participants are invited to join a network for the development of curricula and resources through BEIA and its contacts in the bioethics field.

## Participant Experience

**MEALS AND LODGING** are included at Saint Mary's College in Moraga, California, located in the East Bay 12 miles east of San Francisco. Recreational and library facilities, including Internet access, are available on campus.

**CLASS MEETS** 4 hours per day Monday through Friday, 9 to 11 a.m. and 2 to 4 p.m.

**FILMS AND DISCUSSIONS** on Tuesday and Thursday evenings anticipate the themes of the upcoming day.

**MATERIALS** are provided without additional charge. Materials for the first day are forwarded to participants, who are requested to complete the readings in advance of the first class.

**DETAILED CLASS SCHEDULE** and other information is available at [www.bioethics-in-action.org](http://www.bioethics-in-action.org).

**CEUs.** Participants earn two California Continuing Education Units.

## Institute Materials

The Institute integrates selections from a variety of sources:

Classical and modern literature, film, the National Science Foundation, The President's Council on Bioethics, the history of science, contemporary ethical works on biotechnology.

We use selections from authors such as:

Francis Bacon, Jose Luis Borges, John Donne, Andrea Dworkin, Nathaniel Hawthorne, Thomas Hobbes, Homer, Hans Jonas, Gina Kolata, Friedrich Nietzsche, Ovid, Plutarch, Edward Rollin, William Shakespeare, Gregory Stock, Alexis de Tocqueville, and E.O. Wilson, among others.

## Seminar Fee

A seminar fee of \$295 includes all meals, lodging, materials, and two continuing education units.

## Applications and Information

Applications are online at [www.bioethics-in-action.org](http://www.bioethics-in-action.org)

For inquiries please contact:  
[teachersinstitute@bioethics-in-action.org](mailto:teachersinstitute@bioethics-in-action.org)  
617.876.1751, Bioethics-In-Action, Inc.

- **Limited Enrollment**
- **Only 20 Spaces Available**
- **Rolling Applications Close May 1, 2004**

S P O N S O R E D B Y



SAINT MARY'S COLLEGE  
*of California*

[www.stmarys-ca.edu](http://www.stmarys-ca.edu)

The Integral Program at Saint Mary's College of California asks students to pursue fundamental questions in diverse areas of human thought, while emphasizing the need to consider the relationships between fields, especially the humanities and sciences.

**bioethics**  
*in action*

[www.bioethics-in-action.org](http://www.bioethics-in-action.org)

Bioethics-In-Action, Inc. (501c3) is a non-partisan organization dedicated to promoting education and responsible public policy based on thoughtful inquiry, discussion and deliberation about issues of science and technology.