

## UCSD awarded grant for course on biology of aging

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What causes the human body to age?

How does environment influence aging?

These and other challenging questions will be explored by 49 scientists during an intensive course on the biology of aging which begins June 23 at the University of California, San Diego.

To organize and administer the unique course, UCSD has been awarded a \$41,520 contract by the National Institute of Child Health and Human Development, according to Dr. Herbert Stern, UCSD biology department chairman. The National Institute is a branch of the Department of Health, Education and Welfare's Public Health Service.

Twenty-seven U.S. and British experts, most of them biologists from well-known universities or research institutions, will lecture during the three-week course. Most of the 22 students enrolled are faculty members or graduate students from U.S. universities.

"Universities do not offer courses on the biology of aging," said Stern, "and relatively few investigators address themselves to the problems of aging. To stimulate more research in this field, the NICHD recently established a new branch to study adult development and aging. This branch selected UCSD to offer this special summer course."

Major subject-areas to be covered are: the aging process, environment and aging, mammalian aging, cellular aging, and sub-cellular and molecular aging. The effects of nutrition and other environmental factors will be studied, as will loss of function and increase in mortality with age. Organ and tissue changes will be considered during discussions of the physiological aspects of aging.

Students enrolled represent a wide range of U.S. universities, including Harvard, Duke, Princeton, Yale, Yeshiva, and the universities of Boston, Michigan State, Pennsylvania State, California, Delaware, Hawaii, Minnesota, Illinois and Indiana.

Scheduled to lecture are Dr. Stanley Appel, Duke University; Dr. Kim Atwood, University of Illinois; Frank Bayo, deputy chief actuary, Social Security Administration, Washington; Dr. Andrew Benson, Scripps Institution of Oceanography; Dr. Benjamin Berg, Geigy Chemicals, Ardsley, New York.

Also Dr. Alex Comfort, University College, London; Dr. Howard Curtis, senior biologist, Brookhaven National Laboratories; Dr. James Danielli, State University of New York; Dr. Christian De Duve, Rockefeller University; Dr. A. Baird Hastings, UCSD; Dr. Leonard Hayflick, Stanford University; Dr. John Holland, UCSD.

Also Dr. Hardin Jones, University of California, Berkeley; Dr. Robert Kohn, Western Reserve University; Dr. Albert Lansing, University of Pittsburgh; Dr. James McGaugh, University of California, Irvine; Dr. Leslie Orgel, Salk Institute; Dr. Morris H. Ross, Biochemical Research Foundation; Dr. George Rouser, City of Hope Medical Center, Duarte, California; George Sacher, Argonne National Laboratories.

Also Dr. John Saunders, State University of New York; Dr. F. Marott Sinex, Boston University; Dr. Jonathan Singer and Dr. Herbert Stern, UCSD; Dr. Bernard Strehler, USC; Dr. Paola Timiras, University of California, Berkeley, and Dr. William Weigle, Scripps Clinic and Research Foundation, La Jolla.