

Developments in cell biology told at meeting

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Spectacular developments in cell-biology research will be reported to more than 2,000 scientists from 42 states and 12 foreign countries when they converge on San Diego Thursday (November 19, 1970) for the 10th annual meeting of the American Society for Cell Biology.

Among the 643 technical papers scheduled for presentation during the three-day meeting are reports which will describe

- how tiny heart cells, each beating individually just as the whole heart beats, are used to measure the effects of drugs on the heart;
- how cyclamate food additives interfere with the normal activities of human cells;
- how scientists recreated a living amoeba cell from parts taken from other amoeba cells;
- how cancerous cells turn healthy when a certain biochemical is applied, then turn malignant again when the biochemical is withdrawn.

The meeting opens at 9 a.m. Thursday in the Convention Center, Civic Concourse, with a symposium on the structure of the genetic apparatus. Dr. Herbert Stern, chairman of UCSD's biology department and program chairman for the three-day conference, will preside.

Panelists at the opening session will be Dr. H. G. Callan, University of St. Andrews, Scotland; Dr. Ulrich Grossbach, Max-Planck Institut fur Biologie, Tubingen, Germany and Dr. C. A. Thomas, Jr., Harvard Medical School. The afternoon will be given over to contributed papers, followed by a business meeting at 5 p.m.

The evening session Thursday will include panel discussions chaired by Dr. Joseph Gall, Yale University, and Dr. Peter Satir, UC Berkeley. Gall's session will discuss "in situ hybridization" while Satir's will be concerned with "cell junctions."

Friday's agenda will open at 9 a.m. with a symposium on mechanisms in the cell division cycle, with Dr. Bill R. Brinkley, Anderson Hospital and Tumor Institute of Houston, presiding. Papers will be presented by Dr. Leland Hartwell, University of Washington; Dr. Lester Goldstein, University of Colorado, and Dr. Robert A. Tobey, Los Alamos Scientific Laboratory, UC-Los Alamos.

The afternoon sessions will hear additional papers from delegates.

The public is invited to a symposium on Saturday morning which will feature papers on the structure and action of genes. High school and college students are especially encouraged to attend, said Stern.

Saturday's symposium, chaired by Dr. Elizabeth R. Ray, of Harvard Medical School, will feature presentations by Dr. Oscar L. Miller, of Oak Ridge National Laboratory, Oak Ridge, Tenn., and Dr. Joel T. Rosenbaum, of Yale

University. A film, "Life Is Born," will be shown, depicting by means of time-lapse photography the first six days in the life of a chick embryo.

Reserved-section tickets for the public session may be obtained by phoning the UCSD public affairs office, Stern announced.