

Oregon Institute of Science and Medicine

The Oregon Institute of Science and Medicine is a small research institute in southern Oregon. It was founded in 1980 to conduct basic and applied research in subjects immediately applicable to improvements in human life – especially in biochemistry, diagnostic medicine, nutrition, preventive medicine, and the molecular biology of aging.

The Institute is entirely supported by donations and the independent earnings of its faculty and volunteers. It does *not* solicit or accept tax-financed government funds.

The Institute has six senior faculty members, about fifteen volunteers who work actively on its projects, and a larger number of volunteers who help occasionally. It owns a 10,000 square foot building located in a rural setting about 7 miles from the town of Cave Junction in southern Oregon. 3,000 square feet of this building is now used for research, while an additional part is currently being modified for use as laboratories.

This facility and a modest complement of research equipment are the Institute's principal physical assets. The Institute has no debts and a policy of incurring none.

At present, work is proceeding on several specific projects including the effects of atmospheric carbon dioxide levels on health and longevity of mice; the role of protein amides as molecular timers of protein turnover, development, and aging; the use of urine and blood profiling for predictive and preventive medicine; the development of comprehensive materials for use in home school education; and the production of educational materials for civil defense. The Institute's most recent scientific publication reports experimental work on nutrition and cancer.

The research and development work of the Institute is carried out to the full extent permitted by donations that it receives. The Institute is classified by the IRS as a 501(c)3 public foundation, so all donations are tax deductible.

Faculty

- Professor of Chemistry Martin D. Kamen. Dr. Kamen is the discoverer of Carbon 14 and the originator of many of the techniques by which radioactive tracers are used to elucidate the chemistry of biological processes. He also carried out extensive research that underlies much of our understanding of the process of photosynthesis. For his discovery of Carbon 14 and work on tracers, Dr. Kamen has been nominated several times for the Nobel Prize in Chemistry.

- Professor of Biochemistry Fred Westall. Dr. Westall is an expert in the biochemistry of immunology and autoimmune disease. He was educated at the University of California at San Diego and then moved to the Salk Institute where he became director of laboratory work for Jonas Salk. Dr. Westall's current interests include research on the statistical implications of distributions of DNA and protein sequences and applications of protein chemistry to immunology.

- Professor of Electrical Engineering Carl Boehme. Carl Boehme founded a computer engineering company in the Silicon Valley near Stanford where he was educated. This company designed and produced computer hardware and software and sold computer equipment. As a result of his company's successes, Carl retired at an early age to work on various personal and technical projects. He provides computer hardware and software development and support for the Institute's research and supervises part of the laboratory development.

- Adjunct Professor R. Bruce Merrifield. Dr. Merrifield is the originator of solid-phase peptide synthesis with which he accomplished the first laboratory synthesis of an enzyme. In recognition of these accomplishments, he was awarded the Nobel Prize in Chemistry in 1984. Dr. Merrifield is Emeritus Professor at Rockefeller University where he directs a group of scientists working on various aspects of the development and application of solid phase synthesis in protein chemistry.

- Professor of Clinical Medicine Jane Orient. Dr. Orient is a specialist in internal medicine. In addition to her private practice of medicine, Dr. Orient is well known for her work as an advocate of national civil defense with Doctors for Disaster Preparedness and Physicians for Civil Defense. As Executive Director of the Association of American Physicians and Surgeons, she also leads a nationwide effort for more free enterprise and less socialism in medicine.

- Professor of Chemistry Arthur B. Robinson. Dr. Robinson conducts research on protein chemistry and on nutrition and predictive and preventive medicine. He also works on civil defense and on development of home schooling techniques and edits the newsletter *Access to Energy*. Dr. Robinson was a faculty member of the University of California at San Diego and was President and Research Director of the Linus Pauling Institute before founding the Oregon Institute of Science and Medicine with his wife Laurelee, who was also a scientist.



Drs. Robinson, Kamen, and Merrifield