

1. Record Nr.	UNINA9910794539803321
Autore	Keating Conrad
Titolo	Anthony Cerami : a life in translational medicine // Conrad Keating
Pubbl/distr/stampa	New Brunswick : , : Rutgers University Press, , [2021] ©2021
ISBN	1-9788-0142-4 1-9788-0144-0
Descrizione fisica	1 online resource (219 pages)
Disciplina	610.72
Soggetti	Medicine - Research Medical scientists Drugs - Design Biochemists
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Hard work -- The Rockefeller effect -- The shaping of a scientific mind -- The Rockefeller University and the broad horizon -- Diabetes: The creation of the hemoglobin arc test -- Glucose, aging, the cross-linking of biology and business -- The conceptual breakthrough -- Cachectin -- Tumor necrosis factor -- Leaving the Rockefeller University: The end of the dream -- Philanthropy goes awry -- Translation in transition -- Anti-TNF therapy: Changing the pharmaceutical landscape -- Taking on big pharma.
Sommario/riassunto	"Since the turn of the new millennium, 'translational research', the scientific process of bringing disease-targeted knowledge from the laboratory to treat patients in the clinic, has gone mainstream and is now practiced by large universities and institutes across the globe. Into this dynamic of the rapidly changing world of translational medical research this book sets the life of one of the discipline's most influential practitioners, Anthony Cerami. His work spans more than five decades and culminated in the discovery, invention and development of diagnostics and therapeutics used daily by millions of people. Students in molecular medicine and investigators pursuing basic science in the hope of improving human health will find

inspiration in examining the sacrifices and achievements of Cerami's career in translational medicine. During his three decades at Rockefeller University his cross-disciplinary and laboratory-without-wall approach established 'rational drug design' as the most effective means of advancing the fields of parasitology, hematology, immunology, metabolism, therapeutics and molecular medicine. Cerami's story and that of the evolution of translation are intimately entwined: the contours of Cerami's career shaped by developments in translation, and in exchange, the field itself molded by Cerami's work. To understand one is to understand the other. By examining the life of this often overlooked biochemist it is possible to intimately focus on the ideas and thought processes of a scientist who has helped to define the great acceleration in translational research over the past half century - research that, knowingly or otherwise, has most likely affected the life of almost everyone on the planet. We also gain a better understanding of the febrile creative atmosphere that percolated through the laboratories leading the way in translational medicine, and gain insight into the art, science, successes, failures and providence that underlie major scientific breakthroughs. Anybody interested in the questions of where modern medicines come from, how health outcomes around the globe are affected by research and imagination, and where the future of drug discovery is leading, will be rewarded by exploring Cerami's life in translation. This book is not restricted to those with a professional interest in science, because anyone dedicated to living a life of creativity and discovery will be rewarded by reading this book. In many respects, Cerami's life reflects the modern metaphor of the 'American dream' with his journey from humble beginnings on a chicken farm in rural New Jersey, to occupying a place in the highest echelons of the US scientific establishment. His journey in translational medicine was propelled forward by two obsessions; the idea that he could help people who were sick, and the excitement of discovery. In following his two great passions, he trained a generation of specialists in translational medicine that continue to transform our understanding of, and treatments for, human disease. Anthony Cerami's work has shown how science has become an important force for social change by laying the foundations of modern translational medicine"--
