

A PORTRAIT OF THE IMMUNE SYSTEM

Scientific Publications
of R. M. Jerne

Edited by
Hans Kottmann

With an Introduction by
Hans Kottmann

Portrait Of The Immune System Scientific Publications Of Niels Kaj Jerne

Thomas Soderqvist



Portrait Of The Immune System Scientific Publications Of Niels Kaj Jerne:

Portrait Of The Immune System, A: Scientific Publications Of N K Jerne Ivan Lefkovits, 1996-12-05 Using the published work of Nobel Laureate Niels Kaj Jerne this book shows how he developed his ideas The book is a compilation of his published work but in fact it is much more than that Whether the reader wants to read the book systematically or only browse it opens a fascinating world of hypotheses theories facts and vistas His selection theory his view of how immunological diversity is created and his concept of lymphocytes interacting as a network reveals Jerne's revolutionary spirit The book ought to be a rich source of inspiration for everyone interested in science and how science is made *Science as Autobiography* Thomas Soderqvist, 2008-10-01 This biography probes the unusual mind the dramatic life and the outstanding scientific work of Danish born immunologist Niels Jerne 1911-1994 Jerne's Nobel Prize winning achievements in the field of immunology place him in the pantheon of great twentieth century biomedical theorists yet his life is perhaps even more interesting than his science *Science as Autobiography* tells Jerne's story weaving together a narrative of his life experiences emotional life and extraordinarily creative scientific work A legendary figure who preferred an afternoon of conversation in a Paris wine bar to work in the laboratory Jerne was renowned for his unparalleled powers of concentration and analytical keenness as well as his dissonant personal life The book explores Jerne the man and scientist making the fascinating argument that his life experience and view of himself became a metaphorical resource for the construction of his theories The book also probes the moral issues that surrounded Jerne's choice to sacrifice his family in favor of scientific goals and the pursuit of excellence

Chemical Biology, Selected Papers Of H G Khorana (With Introductions) H Gobind Khorana, 2000-05-24 The first two chapters of this invaluable book trace the developments of the chemistry and macromolecular structures respectively of proteins and nucleic acids Similarly the introductions to the succeeding chapters review step by step the historical landmarks in the topics covered These include discoveries of biological phosphate esters nucleotides and nucleotide coenzymes important in intermediary metabolism the nature of the genetic material and biological synthesis of proteins formulation of the problem of the genetic code and perspectives on bioenergetics The selected papers illustrate the developments of the chemical synthesis of nucleotides and nucleotide coenzymes of ribo and deoxy ribo polynucleotides RNA DNA of the total synthesis of genes in the laboratory and principles for gene amplification PCR Another major section covers studies of enzymes that degrade nucleic acids the structure of transfer RNA and its role in protein synthesis and the author's work on the elucidation of the genetic code Finally there are descriptions of the studies on biological membranes and the membrane protein bacteriorhodopsin a biological proton pump These studies elucidated the mechanism of proton translocation which is central to bioenergetics Selected Papers Of Frederick Sanger (With Commentaries) Margaret Dowding, Frederick Sanger, 1996-08-30 This important volume is mainly concerned with the development of methods for sequencing that is determination of the order of the amino acids in proteins and of nucleotides in RNA and DNA In 1943 the position of only one

amino acid in a protein insulin was known and Sanger's first paper resulted in finding a second amino acid. In his final paper in 1982 he describes the determination of a DNA sequence of 48 502 nucleotides. The papers describe the steady improvements in techniques and exciting biological results revealed by the sequences.

On Musical Self-similarity
Gabriel Pareyón, 2011

The Saga of the Nerve Growth Factor Rita Levi-Montalcini, 1997 This volume is a collection of articles written by Nobel Laureate Rita Levi Montalcini and published from 1942 to 1995. Studies described in the first part set the stage for the discovery of a protein molecule which became known as the Nerve Growth Factor (NGF) described in detail in the second part. The NGF synthesized in minute amounts in all vertebrate tissues plays an essential role in the differentiation and survival of several nerve cell populations in the peripheral and central nervous system. The discovery of the NGF was defined by the Nobel Foundation as a milestone in developmental neurobiology and the author was awarded in 1986 with this prestigious award. Studies pursued in subsequent years and still in progress have unveiled other fundamental properties of the NGF described in the third part of this volume.

The Aging Gap Between Species Anca Ioviță, 2016-12-18

Aging is a puzzle to solve. This process is traditionally studied in a couple of biological models like fruit flies, worms, and mice. What all these species have in common is their fast aging. This is excellent for lab budgets. It is a great short-term strategy. Who has time to study species that live for decades? But lifespan differences among species are magnitudes of order larger than any lifespan variation achieved in the lab. This is the reason for which I studied countless information resources in an attempt to gather highly specialized research into one easy-to-follow book. I wanted to see the forest among the trees. I wanted to expose the aging gap between species in an easy-to-follow and logical sequence. This book is my attempt at doing just that. What are the mechanisms underlying the aging gap between species? I intentionally chose to write the answer to this question in plain English. Aging research is too important to hide it behind the closed doors of formal scientific jargon. This book could not have existed if green tea libraries and the Internet were not invented. The amount of data I had to browse in order to keep the essential patterns is huge. Yet this book is not exhaustive. This is not a dry academic textbook. I tried to instill life in a topic that is hugely important for the extension of human lifespan. Only you can decide if I achieved this.

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Annual Report Basel Institute for Immunology, 1997 *Medical and Health Care Books and Serials in Print*, 1997

La Brecha del Envejecimiento Entre las Especies Anca Ioviță, 2018-09-07 El envejecimiento es un rompecabezas a resolver Este proceso es tradicionalmente estudiado en algunos modelos biológicos como moscas de fruta gusanos y ratones Lo que todas estas especies tienen en común es su rápido envejecimiento Esto es excelente para el presupuesto del laboratorio Es una gran estrategia a corto plazo Quién tiene tiempo de estudiar especies que viven por décadas Pero las diferencias de duración de vida entre las especies son magnitudes de orden mayor que cualquier variación lograda en el laboratorio Esta es la razón por la cual estudié incontables fuentes de información en un intento por reunir información altamente especializada en un libro fácil de seguir Quería ver el bosque entre los árboles Quería exponer la brecha del envejecimiento entre las especies en una secuencia lógica y fácil de seguir Este libro es mi intento de hacer precisamente eso Cuáles son los mecanismos subyacentes de la brecha de envejecimiento entre las especies He elegido intencionalmente escribir la respuesta a esta cuestión en un lenguaje claro La investigación del envejecimiento es muy importante como para enconderla tras las puertas cerradas del argot científico formal Este libro podrá no haber existido si el tiempo verde las bibliotecas y el internet no hubieran sido inventados La cantidad de datos que tuve que explorar para mantener los patrones esenciales es enorme Sin embargo el libro no es exhaustivo No es un aburrido y académico libro de texto Intenté infundir vida en un tema que es enormemente importante para la extensión de la esperanza de vida humana Solo tú puedes decidir si lo logré Tabla de Contenidos Encontrando el Bosque Entre los árboles Ser Confiable Cuenta Las Matemáticas del Envejecimiento La Velocidad de la Senescencia Caso de Estudio Envejecimiento en Peces Cómo Estimar Hoe Soorten Anders Oud Worden Anca Ioviță, 2019 *Nem todas as espécies envelhecem* Anca Ioviță, 2018-06-30 O envelhecimento um enigma a ser solucionado Esse processo tradicionalmente estudado por meio de alguns modelos biológicos como a mosca das frutas algumas espécies de nematoides ratos e camundongos O que todas essas espécies têm em comum seu rápido envelhecimento o que excelente em termos de oramento para um laboratório é uma ótima estratégia a curto prazo quem dispõe do tempo necessário para estudar

espécies que vivem por décadas Mas as diferenças de expectativa de vida de uma espécie para outra são ordens de grandeza maiores do que qualquer variação de expectativa de vida que possa ser observada em laboratório Foi isso o que me levou a estudar incontáveis fontes de informação numa tentativa de reunir pesquisas altamente especializadas em um livro de fácil compreensão Queria enxergar a floresta além das árvores Queria apresentar as diferenças de expectativa de vida entre as espécies por meio de uma sequência lógica e acessível Este livro minha tentativa de fazer justamente isso Quais são os mecanismos subjacentes às diferenças identificadas no processo de envelhecimento entre uma espécie e outra Escolhi intencionalmente escrever a resposta a essa pergunta em linguagem clara O envelhecimento um assunto importante demais para ficar escondido atrás das portas do jargão científico formal Este livro não existiria se o dinheiro verde das bibliotecas e a Internet não tivessem sido inventados Embora a quantidade de dados que pesquisei para identificar os padrões essenciais seja enorme este livro não é exaustivo Não se trata de um ridículo livro acadêmico Tentei dar vida a um tópico extremamente importante para a extensão da expectativa de vida humana Apenas você pode decidir se consegui atingir esse objetivo Índice Enxergando a floresta além das árvores Confiabilidade importante A matemática do envelhecimento *Whitaker's Books in Print* ,1998

Issues in Feminism Sheila Ruth,2001 This best selling text reader offers 65 interdisciplinary readings drawn from work in the humanities and the social sciences Classic and contemporary selections represent both feminist and anti feminist viewpoints in an examination of women's lives and the ways in which women can effect alternatives to traditional gender roles Extensive chapter introductions place selections in context define and explain concepts and terminology and provide a cohesive framework for the collection Illustrated Dictionary of Immunology Julius M. Cruse,Robert E. Lewis,2009-04-20 From the beginning immunologists have maintained a unique nomenclature that has often mystified and even baffled their colleagues in other fields causing them to liken immunology to a black box With more than 1200 illustrations the Illustrated Dictionary of Immunology Third Edition provides immunologists and nonimmunologists a single volume resource for the many terms encountered in contemporary immunological literature Encyclopedic in scope and including more than 1200 illustrations the content ranges from photographs of historical figures to molecular structures of recently characterized cytokines the major histocompatibility complex molecules immunoglobulins and molecules of related interest to immunologists These descriptive illustrations provide a concise and thorough understanding of the subject To reflect modern advances the third edition includes entries on immunopharmacology newly described interleukins comparative immunology immunity to infectious diseases and expanded definitions in all of the immunological subspecialties Providing unprecedented breadth and detail this readily accessible book is not only a pictorial reference but also a primary resource **Sexo y género en medicina** Montserrat Cabré i Pairet,2013-07-16 Los trabajos reunidos en este libro abordan con rigor el peso que los prejuicios y las creencias culturales sobre lo masculino y lo femenino han tenido y tienen sobre la medicina y las prácticas de salud El sistema de valores prevalente en las sociedades patriarcales ha impulsado como sujeto de la medicina un cuerpo

masculino que ha convertido en universal ignorando la singularidad de los cuerpos de las mujeres No es casualidad que en este contexto social y cultural los saberes y las aportaciones de las mujeres a los sistemas de salud hayan sido devaluados o abiertamente ignorados Con un lenguaje alejado de tecnicismos el volumen cuestiona el supuesto carácter neutro del conocimiento médico y de la investigación que lo sostiene Aspira asimismo a promover que las aportaciones de los estudios de las mujeres y de género formen parte de una reflexión crítica sobre los sistemas de salud **Scientific American** ,1973
Monthly magazine devoted to topics of general scientific interest Books in Print Supplement ,1982

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