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# **The History of Neuroscience in Autobiography**

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Hans Thoenen*

**Volume 6**

Edited by Larry R. Squire

# The History Of Neuroscience In Autobiography Hamburger Levi Montalacini

**A Loxley**



## **The History Of Neuroscience In Autobiography Hamburger Levi Montalcini:**

**The History of Neuroscience in Autobiography Volume 6** Larry R Squire, 2008-12-12 The sixth volume of The History of Neuroscience in Autobiography is a collection of autobiographical essays by notable senior scientists who discuss the major events that shaped their discoveries and their influences as well as the people who inspired them and helped shape their careers as neuroscientists Each entry also includes a complete CV so that the interested reader may see their rise through the ranks as they achieved some of the highest honors in neuroscience *The Journal of Neuroscience*, 2009

*Rita Levi Montalcini* Enrica Battifoglia, 2018-04-27T00:00:00+02:00 Dai tempi del laboratorio in camera da letto dove da giovane era costretta a lavorare per le leggi razziali gli ostacoli non erano mai stati un problema per Rita Levi Montalcini Cos come non le mai mancata la determinazione a seguire la sua passione per il pi complesso degli organi il cervello tanto da sospingerla ad affrontare esperimenti noiosissimi nella fucina di Nobel dell anatomista Giuseppe Levi Con la stessa tenacia la Montalcini ha dedicato la sua lunghissima vita alla scoperta che le ha fruttato il Nobel per la Medicina nel 1986 ossia quella che defin una molecola meravigliosa il fattore di crescita delle cellule nervose NGF Si tratta di una scoperta dalle mille implicazioni dal momento che interessa lo sviluppo del sistema nervoso come quello endocrino e immunitario ed perfino in grado di far luce su fenomeni da sempre sfuggiti a ogni formula biochimica come per esempio l innamoramento **Creating Modern Neuroscience: The Revolutionary 1950s** Gordon M. Shepherd, 2010 For modern scientists history often starts with last week s journals and is regarded as largely a quaint interest compared with the advances of today However this book makes the case that measured by major advances the greatest decade in the history of brain studies was mid twentieth century especially the 1950s The first to focus on worldwide contributions in this period the book ranges through dozens of astonishing discoveries at all levels of the brain from DNA Watson and Crick through growth factors Hamburger and Levi Montalcini excitability Hodgkin and Huxley synapses Katz and Eccles dopamine and Parkinson s Carlsson visual processing Hartline and Kuffler the cortical column Mountcastle reticular activating system Moruzzi and Magoun and REM sleep Aserinsky to stress Selye learning Hebb and memory HM and Milner The clinical fields are also covered from Cushing and Penfield psychosurgery and brain energy metabolism Kety to most of the major psychoactive drugs in use today beginning with Delay and Deniker and much more The material has been the basis for a highly successful advanced undergraduate and graduate course at Yale with the classic papers organized and accessible on the web There is interest for a wide range of readers academic and lay because there is a focus on the creative process itself on understanding how the combination of unique personalities innovative hypotheses and new methods led to the advances Insight is given into this process through describing the struggles between male and female student and mentor academic and private sector and the roles of chance and persistence The book thus provides a new multidisciplinary understanding of the revolution that created the modern field of neuroscience and set the bar for judging current and future advances *New Dictionary of Scientific Biography* Noretta

Koertge,2008 Also available online as part of the Gale Virtual Reference Library under the title Complete dictionary of scientific biography *Du feuillet au gène* Jean-Claude Dupont,Stéphane Schmitt,2004 Cette tude pr sente une histoire de l av nement de l embryologie moderne travers les grands textes portant sur cette discipline notamment ceux qui d crivent le travail exp rimental effectif du chercheur Il donne une vision d ensemble de l volution dans ce domaine son passage de l embryologie descriptive l embryologie exp rimentale **Annual Review of Neuroscience** W. Maxwell Cowan,1989 D-H Brigham Narins,2001 **Notable Twentieth-century Scientists: F-K** Emily J. McMurray,1995 This volume number 2 in a set of four contains scientists F through K *Bibliography of the History of Medicine* ,1985 *F - K.* Emily J. MacMurray,1995 Romanian Journal of Biochemistry ,2000 Creating Modern Neuroscience: The Revolutionary 1950s Gordon M. Shepherd MD, DPhil,2009-10-28 For modern scientists history often starts with last week s journals and is regarded as largely a quaint interest compared with the advances of today However this book makes the case that measured by major advances the greatest decade in the history of brain studies was mid twentieth century especially the 1950s The first to focus on worldwide contributions in this period the book ranges through dozens of astonishing discoveries at all levels of the brain from DNA Watson and Crick through growth factors Hamburger and Levi Montalcini excitability Hodgkin and Huxley synapses Katz and Eccles dopamine and Parkinson s Carlsson visual processing Hartline and Kuffler the cortical column Mountcastle reticular activating system Morruzzi and Magoun and REM sleep Aserinsky to stress Selye learning Hebb and memory HM and Milner The clinical fields are also covered from Cushing and Penfield psychosurgery and brain energy metabolism Kety to most of the major psychoactive drugs in use today beginning with Delay and Deniker and much more The material has been the basis for a highly successful advanced undergraduate and graduate course at Yale with the classic papers organized and accessible on the web There is interest for a wide range of readers academic and lay because there is a focus on the creative process itself on understanding how the combination of unique personalities innovative hypotheses and new methods led to the advances Insight is given into this process through describing the struggles between male and female student and mentor academic and private sector and the roles of chance and persistence The book thus provides a new multidisciplinary understanding of the revolution that created the modern field of neuroscience and set the bar for judging current and future advances Creating Modern Neuroscience Gordon M. Shepherd,2010-01-01 For modern scientists history often starts with last week s journals and is regarded as largely a quaint interest compared with the advances of today However this book makes the case that measured by major advances the greatest decade in the history of brain studies was mid twentieth century especially the 1950s The first to focus on worldwide contributions in this period the book ranges through dozens of astonishing discoveries at all levels of the brain from DNA Watson and Crick through growth factors Hamburger and Levi Montalcini excitability Hodgkin and Huxley synapses Katz and Eccles dopamine and Parkinson s Carlsson visual processing Hartline and Kuffler the cortical column Mountcastle reticular activating system Morruzzi and

Magoun and REM sleep Aserinsky to stress Selye learning Hebb and memory HM and Milner The clinical fields are also covered from Cushing and Penfield psychosurgery and brain energy metabolism Kety to most of the major psychoactive drugs in use today beginning with Delay and Deniker and much more The material has been the basis for a highly successful advanced undergraduate and graduate course at Yale with the classic papers organized and accessible on the web There is interest for a wide range of readers academic and lay because there is a focus on the creative process itself on understanding how the combination of unique personalities innovative hypotheses and new methods led to the advances Insight is given into this process through describing the struggles between male and female student and mentor academic and private sector and the roles of chance and persistence The book thus provides a new multidisciplinary understanding of the revolution that created the modern field of neuroscience and set the bar for judging current and future advances

**The History of Neuroscience in Autobiography** Larry R. Squire, 2014 History of Neuroscience in Autobiography Larry R. Squire, 2003-12 Interviews with two noted neuroscientists who discuss their careers

**Studies in Developmental Neurobiology** W. Maxwell Cowan, 1981 A fitting tribute to Viktor Hamburger reflecting the breadth of his scientific interests and providing a critical discussion of many of the current issues in the field of developmental neurobiology

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**History of Neuroscience in Autobiography Kravitz/Marler** Professor of Psychiatry Larry R. Squire, PhD, 2008-01-01 Minds behind the Brain Stanley Finger, 2000-03-02 Attractively illustrated with over a hundred halftones and drawings this volume presents a series of vibrant profiles that trace the evolution of our knowledge about the brain Beginning almost 5000 years ago with the ancient Egyptian study of the marrow of the skull Stanley Finger takes us on a fascinating journey from the classical world of Hippocrates to the time of Descartes and the era of Broca and Ramon y Cajal to modern researchers such as Sperry Here is a truly remarkable cast of characters We meet Galen a man of titanic ego and abrasive disposition whose teachings dominated medicine for a thousand years Vesalius a contemporary of Copernicus who pushed our understanding of human anatomy to new heights Otto Loewi pioneer in neurotransmitters who gave the Nazis his Nobel prize money and fled Austria for England and Rita Levi Montalcini discoverer of nerve growth factor who in war torn Italy was forced to do her research in her bedroom For each individual Finger examines the philosophy the tools the books and the ideas that brought new insights Finger also looks at broader topics how dependent are researchers on the work of others What makes the time ripe for discovery And what role does chance or serendipity play And he includes many fascinating background figures as well from Leonardo da Vinci and Emanuel Swedenborg to Karl August Weinhold who claimed to have reanimated a dead cat by filling its skull with silver and zinc and Mary Shelley whose Frankenstein was inspired by such experiments Wide ranging in scope imbued with an infectious spirit of adventure here are vivid portraits of giants in the field of neuroscience remarkable individuals who found new ways to think about the machinery of the mind

Delve into the emotional tapestry woven by in **The History Of Neuroscience In Autobiography Hamburger Levi Montalacini** . This ebook, available for download in a PDF format ( \*), is more than just words on a page; itis a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

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