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| 1. Record Nr.           | UNINA9910827167303321   |
| Titolo                  | An introduction to pain and its relations to nervous system disorders / / edited by Anna A. Battaglia   |
| Pubbl/distr/stampa      | Chichester, West Sussex, UK ; ; Hoboken, NJ : , : Wiley Blackwell, , 2016   |
| ISBN                    | 1-118-45593-2<br>1-78785-088-9<br>1-118-45597-5<br>1-118-45595-9  |
| Descrizione fisica      | 1 online resource (439 p.)  |
| Classificazione         | SCI089000   |
| Disciplina              | 616/.0472   |
| Soggetti                | Pain - Research<br>Nervous system - Diseases  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | Machine generated contents note: List of contributors ix Foreword xiii Acknowledgements xv Notes on authors xvii Introduction 1 Section I: Neurobiology of pain: Recent advances 11 1 Anatomy of pain pathways 13 Andrew J. Todd 2 Spinal plasticity of the nociceptive system: The role of central sensitization in chronic pain states 35 Alban Latremoliere 3 Symptoms and pathology in neuropathic pain 89 Matthew Thakur and Stephen B. McMahon 4 Recent advances in neuroimmune interactions in neuropathic pain: The role of microglia 123 Elizabeth A. Old, Louise S. C. Nicol and Marzia Malcangio 5 Genetics and epigenetics of pain 149 Franziska Denk and Stephen B. McMahon 6 The cannabinoid system and its role in nociception 169 Massimiliano Beltramo 7 EphB receptors and persistent pain 201 Isabella Gavazzi Section II: Pain in the brain 225 8 Brain imaging in experimental pain 227 Massieh Moayedi and Tim V. Salomons 9 Placebo effects in pain 249 Luana Colloca, Adam P. Horin and Damien Finniss 10 Psychology and pain 267 Lance M. McCracken Section III: Pain in the lifecycle and in nervous system disorders 281 11 Pain in neonates and infants 283 Fiona Moultrie, Sezgi Goksan, Ravi Poorun and Rebeccah Slater 12 How do people with autism spectrum disorders |

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#### Sommario/riassunto

"Introduction to Pain and its relations to Nervous System Disorders provides an accessible overview of the latest developments in the science underpinning pain research, including, but not limited to, the physiological, pathological and psychological aspects. This unique book fills a gap in current literature by focussing on the intricate relationship between pain and human nervous system disorders such as Autism, Alzheimer Disease, Parkinson's Disease, Depression and Multiple Sclerosis. This fully illustrated, colour handbook will help non-experts, including advanced undergraduate and new postgraduate students, become familiar with the current, wide-ranging areas of research that cover every aspect of the field from chronic and inflammatory pain to neuropathic pain and biopsychosocial models of pain, functional imaging and genetics. Contributions from leading experts in neuroscience and psychiatry provide both factual information and critical points of view on their approach and the theoretical framework behind their choices. An appreciation of the strengths and weaknesses of brain imaging technology applied to pain research in humans provides the tools required to understand current cutting edge literature on the topic. Chapters covering placebo effects in analgesia and the psychology of pain give a thorough overview of cognitive, psychological and social influences on pain perception. Sections exploring pain in the lifecycle and in relation to nervous system disorders take particular relevance from a clinical point of view. Furthermore, an intellectually stimulating chapter analysing the comorbidity of pain and depression provides a philosophical angle rarely presented in related handbooks. The references to external research databases and relevant websites aim to prompt readers to become critical and independent thinkers, and motivate them to carry out further reading on these topics. Introduction to Pain and its relations to Nervous System Disorders is essential reading for advanced undergraduate and postgraduate students in neuroscience, medical and biomedical sciences, as well as for clinical and medical healthcare professionals involved in pain management"--

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