

**Neuroscience  
to Neuropsychology**  
**The study of the human brain (Volume II)**

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# General Content

## Chapter 1

### **Rhythm in the brain: Is music special?**

*Susana Silva, Karl Magnus Petersson & São Luís Castro* ..... 29

## Chapter 2

### **Semantic memory: Behavioral, Electrophysiological and Neuroimaging approaches**

*Louis Renoult* ..... 57

## Chapter 3

### **Towards a comprehensive understanding of the consequences of literacy training for online speech processing: Integrating behavioural, cognitive neuroscience, and computational approaches**

*Alastair Smith & Falk Huettig* ..... 101

## Chapter 4

### **Brain sensitivity to words and the “word recognition potential”**

*Susana Araújo, Alexandra Reis, Luís Faísca & Karl Magnus Petersson* ..... 137

## Chapter 5

### **Aging of memory and brain functions – Usual and successful**

*Sara Pudas* ..... 163

<b>Chapter 6</b>	
<b>The neural foundations of economic decision-making</b>	
<i>Nicola Canessa, Alessandra Dodich, Chiara Crespi &amp; Stefano F. Cappa</i> .....	193
<b>Chapter 7</b>	
<b>Theoretical and historical aspects of developmental neuropsychology</b>	
<i>Janna Glzman</i> .....	221
<b>Chapter 8</b>	
<b>Luria's classification of aphasias and syndrome analysis principle</b>	
<i>Tatiana Akhutina</i> .....	241
<b>Chapter 9</b>	
<b>Tactile activity and success of learning at younger school children</b>	
<i>Elena Karimulina &amp; Natalia Zvereva</i> .....	265

# Descriptive Content

## Section 1: Cognitive Neurosciences Section

### Chapter 1

#### Rhythm in the brain: Is music special?

Introduction.....	29
Music Rhythm, Isochrony and Hierarchy .....	30
Isochrony Matters .....	34
The function: isochrony affords cooperative action .....	34
Brain substrates for isochronous input.....	35
Different brain areas for isochronous vs. non-isochronous input .....	35
<i>Oscillatory responses to isochrony</i> .....	36
<i>Independence from experience: development and     expertise</i> .....	38
<i>Musical expertise: a case against the isochronous brain?</i> .....	39
Isochrony in phrase perception: is music special? .....	41
Isochrony does not Matter .....	43
<i>Music rhythm and language syntax</i> .....	45
<i>Music rhythm and metrically regular speech</i> .....	45
Music and speech rhythm as non-random signals.....	45
Conclusion .....	46
References .....	47

## Chapter 2

### Semantic memory: Behavioral, Electrophysiological and Neuroimaging approaches

Introduction .....	57
Behavioral and Theoretical Conceptualizations of Semantic Memory .....	59
What is Semantic Processing? .....	59
Semantic Tasks .....	59
Non-Semantic Tasks .....	60
Meaning Dimensions .....	61
Semantic Effects .....	61
Concepts and Semantic Representations .....	63
Event-related Potentials (ERPs) Studies of Semantic Memory: The N400 .....	65
Main characteristics .....	65
The N400 and Meaning Dimensions .....	66
Effects of Semantic Priming and Congruity .....	67
Effects of Semantic Expectancy .....	68
Effects of Concreteness .....	68
Effects of Semantic Category .....	69
Effects of Semantic Richness .....	69
Lexical Effects .....	70
N400 Generators .....	70
The N400: Binding Semantic Features in Coherent Conceptual Representations? .....	71
Functional Neuroimaging and the Structure of Concepts .....	72
Brains regions most commonly associated with semantic processing .....	72
A Property based network .....	72
Convergence zones: Representing or working with semantic knowledge? .....	76
Effects of Semantic Category .....	79
Conclusions .....	81
References .....	82

### Chapter 3

#### **Towards a comprehensive understanding of the consequences of literacy training for online speech processing: Integrating behavioural, cognitive neuroscience, and computational approaches**

Introduction .....	101
Isolating the Neural Apparatus of the Reading System: What Brain Imaging Methods can (and cannot) tell us .....	102
The effects of literacy on cognitive processing: A multidisciplinary approach .....	108
Behavioural evidence for literacy effects on speech processing .....	109
Does granularity of phonological processing affect language-mediated eye gaze? .....	112
Neuroscience evidence for literacy effects on speech processing .....	116
Examining the plausibility of phonological restructuring using computational models .....	121
References .....	125

### Chapter 4

#### **Brain sensitivity to words and the “word recognition potential”**

Introduction .....	137
Visual Word Recognition: An Incredibly Fast Skill .....	138
Brief Overview of fMRI Evidence .....	141
The Particular Case of the “Visual Word Form Area” in Reading .....	143
An Electrophysiological Marker of Visual Expertise for Print ....	145
The N170: Modulated by Lower- or Higher-order Linguistic Properties? .....	151
Concluding Remarks .....	153
References .....	154

### Chapter 5

#### **Aging of memory and brain functions – Usual and successful**

Introduction .....	163
How do Brain Changes in Aging Relate to Memory Function?.	165

Prefrontal Cortex Function in Aging.....	166
Hippocampal Function in Aging .....	168
Defining and Characterizing Successful Neurocognitive Aging....	171
What Determines Successful Aging?.....	175
Summary .....	181
References .....	181

## **Chapter 6**

### **The neural foundations of economic decision-making**

Introduction: Interdisciplinary Cross-roads in the Study of Decision-making in the Brain .....	193
The Origins of Neuroeconomics: The Ventromedial Prefrontal Cortex and Emotion-based Decision-making .....	195
The Computational Side of Neuroeconomics: Reinforcement Learning.....	198
The basic mechanisms of adaptive behavioral learning: rewards, punishers, reinforcers.....	199
The computational approach to adaptive behavioral learning .....	200
The neural bases of reinforcement learning.....	202
Adaptive Learning from Complex Emotions: Counterfactual Reasoning and Regret.....	204
The neural bases of regret: ventromedial prefrontal cortex and fictive prediction-errors.....	205
Social Decision-making: Learning from Others' Regret.....	207
The Clinical Side of Economic Decision-making.....	209
Conclusions .....	211
References .....	212

## Historical-Cultural Neuropsychology

### **Chapter 7**

#### **Theoretical and historical aspects of developmental neuropsychology**

Natural, Theoretical and Practical Premises of the Creation of Developmental Neuropsychology .....	221
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Trends in progress of developmental neuropsychology .....	227
Conclusion .....	233
References .....	235

## **Chapter 8**

### **Luria's classification of aphasias and syndrome analysis principle**

Introduction .....	241
Efferent Motor Aphasia .....	244
Dynamic Aphasia.....	245
Sensory Aphasia .....	248
Acoustic-mnestic Aphasia .....	250
Semantic Aphasia .....	251
Afferent Motor Aphasia .....	255
References .....	259

## **Chapter 9**

### **Tactile activity and success of learning at younger schoolchildren**

Introduction .....	265
Hypothesis.....	267
Materials of study.....	268
Methods .....	268
Method of tactile memory assessment.....	269
Conclusions .....	273
References .....	274



## Preface

In the last decades, interest and development of investigations referred to *Neurosciences* and *Neuropsychology* has increased worldwide.

In the field of *Neurosciences*, the role of *Cognitive Neurosciences* has underlined the understanding of brain functioning. On the other hand, *Neuropsychology's* thematic streams such as *Cognitive Neuropsychology* and *Historical-Cultural Neuropsychology* have contributed to the study of human behavior and its connection with superior cognitive processes.

*Cognitive Neuropsychology* is a trend mostly used by American and European classical schools. *Historical-Cultural Neuropsychology* has its roots in the Russian neuropsychology school, from A.R Luria and L. Vigotsky's theoretical and methodological postures.

Nowadays it is difficult to find specialized material that integrates recent investigations made in the aforementioned areas. Which gives the work "*Neuroscience to neuropsychology. The study of the human brain*" an unique character.

This book arose from the idea of integrating works around *Neurosciences* and *Neuropsychology* in the same writing, allowing the reader to identify complementarity among current work topics. Nevertheless, the conception of such idea would have never been possible without the support of many professionals who are specialized in each of the fields presented.

This work is organized in two volumes, the first one written in Spanish and Portuguese, the second one in English, thereby maintaining the original language of the chapters received in every section. Important thematic editors supported this work's development, finally organizing this work in three fields: *Cognitive Neuropsychology* (Volume I), *Historical-Cultural Neuropsychology* (Volume I, II) and *Cognitive Neuroscience* (Volume II).

In *Cognitive Neuropsychology*, Drs. José Góis Horácio and Naide Ferreira were invited. Both of them specialized in the field of cognitive neuropsychology and currently work at Egas Moniz hospital in Lisboa, Portugal. They not only have nationally contributed in the formation of neuropsychologists but also have supported the development of neuropsychology as a science.

Drs. Yulia Solovieva and Luis Quintanar from Benemérita University (Puebla, Mexico) supported *Historical-Cultural Neuropsychology* section. They teach in postgraduate degrees at the same university and many other postgraduate degrees all over South America. Both of them have over 20 published books in this field and have contributed actively in the diffusion of *Historical-Cultural Neuropsychology* nationally and internationally.

In *Cognitive Neurosciences* field, we considered Drs. Alexandra Reis and Luis Faísca as ideal people to coordinate this section. They are professors at Do Algarve University (Faro, Portugal). They also lead the Cognitive Neurosciences research group at the same university. Both of them have made important contributions to this field nationally and internationally.

We thank all of the thematic editors for having embraced this idea and for every important contribution in order to develop it jointly. This way, this work includes fresh, innovative investigations from authors in nine countries, such as: Colombia, Portugal, Mexico, Spain, Russia, Sweden, Holland, United Kingdom and Italy.

We also highlight the support provided by the editorial group of *Corporación Universitaria Reformada* (Barranquilla, Colombia) for their unconditional availability in the achievement and completion of the work.

We are confident that this work will be of great importance in the fields of neuroscience and neuropsychology. Likewise, we hope you enjoy reading it as much as we enjoyed its construction.

*Daniela da Silva Marques*