

# *Curriculum Vitae et Studiorum*

**LEONARDO CHELAZZI M.D. PH.D.**



<b>Date of birth</b>	July 21 <sup>st</sup> , 1958
<b>Place of birth</b>	Florence, Italy
<b>Current position</b>	Full Professor and Chair of Neurophysiology, University of Verona – Medical School, ITALY.
<b>Contacts</b>	<p>Prof. Leonardo Chelazzi, Department of Neurological, Neuropsychological, Morphological and Motor Sciences, Section of Physiology and Psychology, University of Verona, Strada Le Grazie 8, 37134 Verona – I T A L Y.</p> <p>Tel.++39-045-8027149</p> <p>Fax.++39-045-8027279</p> <p>Email:leonardo.chelazzi@univr.it</p>

## **Education**

<b>July 1984</b>	Medical degree at the School of Medicine and Surgery, University of Florence, Italy.
<b>July 1989</b>	Ph.D. in Neurological Sciences at the Department of Human Anatomy and Physiology, Section of Neurophysiology, University of Turin, Italy.
<b>1990-‘94</b>	Postdoctoral training in the Laboratory of Neuropsychology, National Institutes of Healths, Bethesda MD, U.S.A.

## **Previous Appointments and Research Experience**

**Apr.'83-July '84**

**Undergraduate student** at the Institute of Human Physiology (Laboratory of Prof. Tito Pantaleo), University of Florence, Italy. Electrophysiological studies on the functional organization of the brain-stem respiratory centers in the cat. These studies have been the object of a dissertation, discussed in July 1984, entitled "Central and peripheral respiratory effects of superior laryngeal nerve electrical stimulation in the cat".

**Nov.'84-Aug.'86**

**Visiting fellow** at the Institute of Human Physiology (Laboratory of Prof. Giovanni Berlucchi), University of Verona, Italy. Behavioral studies with human subjects concerning the orienting of visuospatial attention, with special emphasis on the functional relationship between orienting of spatial attention and saccadic eye movements. Behavioral investigation on the pathophysiology of human strabismic amblyopia.

**Sep.'86-Dec.'88**

**Graduate student** at the Department of Human Anatomy and Physiology, Section of Neurophysiology (Laboratory of Prof. Piergiorgio Strata), University of Turin, Italy. Behavioral investigation on the role played by the inferior olivary nucleus and the cerebellum in the control of saccadic eye movements in the pigmented rat. The results of this research have been reported in the Ph.D. dissertation entitled "Saccadic eye movements in the intact pigmented rat and their impairment following lesions of the cerebellum and of the inferior olive".

**Jan.'89-Sep.'90**

**Postdoctoral fellow** at the Institute of Human Physiology (Laboratory of Prof. Giovanni Berlucchi), University of Verona, Italy. Behavioral studies with human observers on the automatic and volitional components of spatially selective visual attention. Further studies on the relationship between visual attention and oculomotor control in man.

**Oct.'90-Feb.'94**

**Postdoctoral fellow** at the Laboratory of Neuropsychology, Section of Behavioral Neurophysiology (Dr. Robert Desimone), NIMH, National Institutes of Health, Bethesda, MD, U.S.A. Physiological experiments in the awake macaque monkey on the neuronal mechanisms of visual attention, visual search and visual short-term memory.

**Mar.'94-May '00**

**Assistant Professor** of Psychology at the Department of Neurological and Vision Sciences, Section of Physiology, University of Verona, Italy. Psychophysical experiments with human observers investigating the mechanisms of visual selective attention and visual search. Electrophysiological experiments on the neuronal mechanisms of visual selective attention in the awake macaque monkey.

**Oct. '00-Dec. '04**

**Associate Professor** of Neurophysiology at the Department of Neurological and Vision Sciences, Section of Physiology, University of Verona, Italy. Psychophysical experiments on the serial and parallel mechanisms contributing to visual search performance in man. Psychophysical experiments on the contribution of associative factors to the deployment of visual selective attention in man. Neurophysiological experiments in the awake, behaving macaque investigating the mechanisms of feature-selective attention in ventral and dorsal extrastriate cortical visual areas.

**Jan. '05-present**

**Full Professor** of Neurophysiology and **Chair of Physiology** at the Department of Neurological and Vision Sciences, Section of Physiology, University of Verona, Italy. Psychophysical experiments on the role of (monetary) rewards in the control of visual selective attention. Neurophysiological experiments in the awake, behaving macaque investigating the mechanisms of task-set implementation and switching in posterior parietal cortex of the awake macaque monkey.

## **Principal Lines of Research**

- ▶ Cognitive mechanisms of visual selective attention
- ▶ Functional interplay between covert spatial attention and oculomotor control
- ▶ Cellular mechanisms underlying visual selective attention in the macaque monkey brain
- ▶ Cellular mechanisms underlying visual search in the macaque monkey brain
- ▶ Functional interplay between stimulus salience and top-down attentional control
- ▶ Feature- and dimension-specific attentional processing
- ▶ Role of the posterior parietal cortex in the control of spatial and non-spatial attention
- ▶ Functional interplay between associative knowledge and visual selective attention
- ▶ Functional interplay between visual selective attention and motivational factors
- ▶ Behavioral manifestations of joint attention
- ▶ Attentional disturbances in the autistic syndrome
- ▶ Attentional disturbances in dyslexia
- ▶ Role of the cerebellum in cognitive functions

## **Past and Present (main) Collaborations**

- ▶ Prof. **Claus Bundesen**, Department of Psychology, Copenhagen, Denmark.
- ▶ Dott. **Robert Desimone**, M.I.T., Boston MA, U.S.A.
- ▶ Dott. **John Duncan**, MRC Cognition and Brain Science Unit, Cambridge, U.K.
- ▶ Prof. **Steven J. Luck**, Center for Mind and Brain, University of California Davis, Davis CA, U.S.A.
- ▶ Prof. **Anna Christina Nobre**, Department of Experimental Psychology, University of Oxford, U.K.
- ▶ Dott. **John H. Reynolds**, Salk Institute, La Jolla CA, U.S.A.
- ▶ Prof. **Jan Theeuwes**, Vrije Universiteit, Amsterdam, The Netherlands.
- ▶ Prof. **Massimo Turatto**, University of Trento, Italy.

## **Fellowships and Awards**

<b>August 1987</b>	Travel grant from the European Science Foundation to attend the Second World Congress of Neuroscience (IBRO).
<b>September 1990</b>	Travel grant from the European Science Foundation to attend the 13 <sup>rd</sup> Annual Meeting of the European Neuroscience Association and the 22 <sup>nd</sup> Annual Meeting of the Brain and Behaviour Society.
<b>Nov.'89-Oct.'90</b>	Research fellowship from GLAXO.
<b>Oct.'90-Sep.'92</b>	Human Frontier Science Program (HFSP) long-term Postdoctoral Fellowship.
<b>Sep.'92-Mar.'94</b>	Postdoctoral Fellowship from the "John E. Fogarty International Center for Advanced Study in the Health Sciences".
<b>September '99</b>	1999 Novartis Italian award in basic Neuroscience.

## **Professional Activities**

<b>September 1989</b>	In the local organizing committee of the 21 <sup>st</sup> Annual Meeting of the European Brain and Behaviour Society, Turin, Italy.
<b>January 1999</b>	Together with Dr. John Duncan (Cambridge, UK) organizes the Symposium “ The neuroscience of attentional disorders and their implications for rehabilitation”, as part of the 17 <sup>th</sup> European Workshop on Cognitive Neuropsychology, Bressanone, Italy.
<b>June 2000</b>	Together with Dr. John Duncan (Cambridge, UK) organizes the symposium “Beyond the spotlight of attention: Non spatial selectivity of selective seeing”, as part of the Second Forum of European Neuroscience Meeting, Brighton, UK.
<b>January 2001-present</b>	In the scientific committee of the European Diploma in Cognitive and Brain Sciences (EDCBS).
<b>March 2001-present</b>	President of the “Associazione per le Neuroscienze – Giuseppe Moruzzi”.
<b>June 2001</b>	Together with Prof. Carlo A. Marzi (Verona, Italy) organizes the symposium “Top-down control of visual perception”, as part of the 2001 International Neuropsychological Symposium, Grado, Italy.
<b>September 2001</b>	Together with Prof. Carlo A. Marzi (Verona, Italy) organizes the symposium “Attention and spatial representation: Neural and cognitive mechanisms”, as part of the 2001 meeting of the Italian Psychological Society, Alghero, Italy.
<b>2002-2005</b>	In the executive committee of the European Brain and Behaviour Society (EBBS).
<b>June 2003-present</b>	Effective member of the International Neuropsychological Symposium.
<b>Sept. 2005-present</b>	Director of CIRSAL - Interdepartmental Center for Animal Research, University of Verona, Italy.
<b>Sept. 2005-present</b>	<b>Chairman of the Ph.D. program in Neuroscience</b> , University of Verona, Italy.



<b>2007</b>	In the scientific committee of the following international conferences: Annual Meeting of the Italian Neuroscience Society (SINS), held in Verona, Italy; Annual Meeting of the European Conference on Visual Perception (ECVP), held in Arezzo, Italy; Annual Meeting of the European Brain and Behaviour Society (EBBS), held in Trieste, Italy; Rovereto Attention Workshop 2007, held in Rovereto (TN), Italy.
<b>2008</b>	In the scientific committee of the Rovereto Attention Workshop 2008, held in Rovereto (TN), Italy.
<b>2009</b>	In the scientific committee of the Rovereto Attention Workshop 2009, held in Rovereto (TN), Italy.
<b>May 2010</b>	Organizes the symposium “Understanding the interplay between reward and attention, and its effects on visual perception and action”, as part of the VSS (Vision Sciences Society) 2010 Meeting, Naples Florida, U.S.A.
<b>July 2010</b>	Organizes the symposium “The microcircuitry of selective attention: Physiology, Pharmacology and modelling”, as part of the 7 <sup>th</sup> Forum of European Neuroscience (FENS) Meeting, Amsterdam, The Netherlands.

## **Member of the Following Scientific Societies:**

- ▶ Italian Physiological Society
- ▶ Italian Psychological Society
- ▶ Italian Society for Neuroscience
- ▶ Italian Society for Neuropsychology
- ▶ European Brain and Behaviour Society
- ▶ European Society for Cognitive Psychology
- ▶ International Brain Research Organization (IBRO)
- ▶ Society for Neuroscience
- ▶ Psychonomic Society
- ▶ Vision Science Society

## **External Referee for the Following Scientific Journals:**

- ▶ Brain Research Bulletin
- ▶ Cerebral Cortex
- ▶ European Journal of Neuroscience
- ▶ Experimental Brain Research
- ▶ Journal of Cognitive Neuroscience
- ▶ Journal of Experimental Psychology: Human Perception and Performance
- ▶ Journal of Neurophysiology
- ▶ Journal of Neuroscience
- ▶ Neuron
- ▶ Neuropsychologia
- ▶ Perception & Psychophysics
- ▶ PLoS One
- ▶ Proceedings of the National Academy of Sciences
- ▶ Psychological Research
- ▶ Psychological Reviews
- ▶ Psychological Science
- ▶ Psychonomic Bulletin & Review
- ▶ Quarterly Journal of experimental Psychology
- ▶ Science
- ▶ Trends in Neurosciences
- ▶ Vision Research
- ▶ Visual Cognition

In addition, Prof. L. Chelazzi acts regularly as *ad-hoc* reviewer for several national and international granting agencies, including the German **Volkswagen Foundation**, the American **National Science Foundation** and the British **Wellcome Trust Foundation**.

## **Research Grants**

<b>1998- to present</b>	Continual support from the University of Verona, Medical School.
<b>Jul.'97-Jun.'00</b>	Research Grant (~270,000 US dollars) from the Human Frontier Science Program Organization, in collaboration with G. Mangun, S. Luck and H. Heinze.
<b>Jan.'99-Dec.'00</b>	Research Grant (~90 Italian Million Liras) from the Italian Government (Ministero dell'Universita' e della Ricerca Scientifica e Tecnologica, MURST), in collaboration with P. Battaglini, T. Shallice, S. Aglioti and M. Gentilucci.
<b>Aug.'99-Jul.'02</b>	Research grant (~150,000 US dollars) from the James S. McDonnell-Pew Foundation, McDonnell-Pew Program in Cognitive Neuroscience, in collaboration with A. C. Nobre.
<b>Jan.'00-Dec.'01</b>	Research Grant (~130 Italian Million Liras) from the Italian Government (Ministero dell'Universita' e della Ricerca Scientifica e Tecnologica, MURST), in collaboration with G. Berlucchi, P. Viviani, M. Bentivoglio, C. Maioli, L. Bon, M. Favilla, C. Galletti and S. Squatrito.
<b>Jan.'01-Dec.'02</b>	Research Grant (~90 Italian Million Liras) from the Italian Government (Ministero dell'Universita' e della Ricerca Scientifica e Tecnologica, MURST), in collaboration with C. A. Marzi, E. Ladavas, S. Aglioti, G. Di Pellegrino, D. Burr and G. Gainotti.
<b>Sep.'01-Aug.'04</b>	Research Grant (~150,000 US dollars) from the Human Frontier Science Program Organization, in collaboration with J. Duncan, N. Kanwisher and M. Valdes-Sosa.
<b>Jan.'04-Dec.'05</b>	Research Grant (~80,000 Euros) from the Italian Government (Ministero dell'Istruzione, dell'Universita' e della Ricerca, MIUR), in collaboration with G. Berlucchi, S. Aglioti, C. Maioli and T. Manzoni.
<b>Jan.'06-Dec.'07</b>	Research Grant (~40,000 Euros) from the Italian Government (Ministero dell'Istruzione, dell'Universita' e della Ricerca, MIUR), in collaboration with G. Berlucchi, S. Aglioti, C. Maioli and T. Manzoni.

<b>Jan.'08-Dec.'09</b>	Research Grant (~260,000 Euros) from the “Fondazione Cariverona”, in collaboration with A. Fiaschi, M. Tinazzi, N. Smania, G. Moretto, P. Cesari, and others.
<b>Sep.'08-Sep.'10</b>	Research Grant (~40,000 Euros) from the Italian Government (Ministero dell'Istruzione, dell'Universita' e della Ricerca, MIUR), in collaboration with G. Berlucchi, S. Aglioti, C. Maioli and T. Manzoni.
<b>Mar.'09-Feb.'12</b>	Research Grant (~121,000 Euros) from the “Fondazione Compagnia di San Paolo - Turin”, in collaboration with A. Fiaschi, M. Tinazzi, G. Moretto, and others.

## **Invited Lectures and Talks**

Invited regularly to give lectures and seminars at major meetings and scientific institutions worldwide, including at the following locations:

**Italy** – Bologna, Bressanone, Chieti, Florence, Grado, Milan, Parma, Reggio Emilia, Pordenone, Rome, Rovereto, San Miniato, Trieste, Vietri

**Argentina** – Buenos Aires

**Belgium** – Leuven

**Canada** – Montreal, Toronto

**Denmark** – Copenhagen

**Finland** – Turku

**France** – Lyon

**Germany** – Berlin, Bielefeld, Bochum, Bremen, Delmenhorst, Goettingen, Frankfurt, Freiburg, Munich

**Portugal** – Lisbon

**Spain** – Barcelona, Madrid

**Switzerland** – Fribourg, Zurich

**The Netherlands** – Amsterdam, Maastricht

**Turkey** – Izmir

**United Kingdom** – Brighton, Birmingham, Cambridge, London, Newcastle, Oxford

**U.S.A.** – Cold Spring Harbor, Philadelphia

## **Publications**

**Number of papers published in peer-reviewed Neuroscience and Psychology journals:**

<b>Nature</b>	<b>(I.F. = 28.751)</b>	<b>1</b>
<b>Annual Review of Neuroscience</b>	<b>(I.F. = 26.077)</b>	<b>1</b>
<b>Nature Neuroscience</b>	<b>(I.F. = 15.664)</b>	<b>1</b>
<b>Neuron</b>	<b>(I.F. = 13.410)</b>	<b>1</b>
<b>Journal of Neuroscience</b>	<b>(I.F. = 7.490)</b>	<b>2</b>
<b>Cerebral Cortex</b>	<b>(I.F. = 6.519)</b>	<b>1</b>
<b>Journal of Cognitive Neuroscience</b>	<b>(I.F. = 4.997)</b>	<b>3</b>
<b>PLoS ONE</b>	<b>(I.F. = 4.351)</b>	<b>1</b>
<b>Psychological Science</b>	<b>(I.F. = 4.251)</b>	<b>2</b>
<b>Journal of Neurophysiology</b>	<b>(I.F. = 3.684)</b>	<b>3</b>
<b>European Journal of Neuroscience</b>	<b>(I.F. = 3.673)</b>	<b>3</b>
<b>Neuropsychologia</b>	<b>(I.F. = 3.630)</b>	<b>1</b>
<b>Cortex</b>	<b>(I.F. = 3.123)</b>	<b>1</b>
<b>Behavioural Brain Research</b>	<b>(I.F. = 2.626)</b>	<b>2</b>
<b>NeuroReport</b>	<b>(I.F. = 2.163)</b>	<b>1</b>
<b>Neuroscience Letters</b>	<b>(I.F. = 2.085)</b>	<b>1</b>
<b>Vision Research</b>	<b>(I.F. = 2.055)</b>	<b>5</b>
<b>Experimental Brain Research</b>	<b>(I.F. = 2.027)</b>	<b>2</b>
<b>Psychological Research</b>	<b>(I.F. = 1.847)</b>	<b>1</b>
<b>Visual Cognition</b>	<b>(I.F. = 1.727)</b>	<b>2</b>

**Total Impact Factor, as of March 2010:** **> 180**

**Total citations, as of March 2010:** **~ 3500**

**H-index, as of March 2010:** **18**

Hickey C., **Chelazzi L.**, Theeuwes J. (2010) Reward guides vision when it's your thing: Trait reward-seeking in reward-mediated visual priming. **PLoS ONE**. In press.

Hickey C., **Chelazzi L.**, Theeuwes J. (2010) Reward has a residual impact on target selection in visual search, but not on the suppression of distractors. **Visual Cognition**. In press.

Hickey C., **Chelazzi L.**, Theeuwes J. (2010) Reward changes salience in human vision via the anterior cingulate. **Journal of Neuroscience**, 30,11096-11103.

**Chelazzi L.**, Della Libera C., Sani I., Santandrea E. (2010) Neural Basis of Visual Selective Attention. In **Wiley Interdisciplinary Reviews: Cognitive Science**, Nadel L. Ed., John Wiley & Sons Ltd. In press.

Della Libera C., **Chelazzi L.** (2009) Learning to attend and to ignore is a matter of gains and losses. **Psychological Science**, 20, 778-784.

Montagnini A., **Chelazzi L.** (2009) Dynamic interaction between "Go" and "Stop" signals in the saccadic eye movement system: New evidence against the functional independence of the underlying neural mechanisms. **Vision Research**, 49, 1316-1328.

**Chelazzi L.**, Della Libera C., Santandrea E. (2009) Attentional mechanisms in ventral pathway. In **Encyclopedia of Neuroscience**, Squire L.R. Ed., Elsevier, Oxford Academic Press, 647-653.

Facoetti A., Ruffino M., Peru A., Paganoni P., **Chelazzi L.** (2008) Sluggish engagement and disengagement of non-spatial attention in dyslexic children. **Cortex**, 44, 1221-1233.

Peru A., **Chelazzi L.** (2008) Local (focused) and global (distributed) visual processing in hemispatial neglect. **Experimental Brain Research**, 187, 447-457.

Mirabella G., Bertini G., Samengo I., Kilavik B.E., Frilli D., Della Libera C., **Chelazzi L.** (2007) Neurons in area V4 of the macaque translate attended visual features into behaviorally relevant categories. **Neuron**, 54, 303-318.

Fanini A., Nobre A.C., **Chelazzi L.** (2006) Selecting and ignoring the component features of a visual object: A negative priming paradigm. **Visual Cognition**, 14, 584-618.

Nobre A.C., Rao A., **Chelazzi L.** (2006) Selective attention to specific features within objects: behavioral and electrophysiological evidence. **Journal of Cognitive Neuroscience**, 18, 539-561.

Della Libera C., **Chelazzi L.** (2006) Visual selective attention and the effects of monetary rewards. **Psychological Science**, 17, 222-227.

Montagnini A., **Chelazzi L.** (2005) The urgency to look: Prompt saccades to the benefit of perception. **Vision Research**, 45, 3391-3401.



Reynolds J.H., **Chelazzi L. (2004)** Attentional modulation of visual processing. **Annual Review of Neuroscience**, 27, 611-647.

Moore L.E., Laiti L., **Chelazzi L. (2003)** Associative knowledge controls deployment of visual selective attention. **Nature Neuroscience**, 6, 182-189.

Ricciardelli P., Bricolo E., Aglioti S.M., **Chelazzi L. (2002)** My eyes want to look where your eyes are looking: Exploring the tendency to imitate another individual's gaze. **NeuroReport**, 13, 2259-2264.

Bricolo E., Giansini T., Fanini A., Bundesen, C., **Chelazzi L. (2002)** Serial attention mechanisms in visual search: A direct behavioral demonstration. **Journal of Cognitive Neuroscience**, 14, 980-993.

**Chelazzi L.,** Miller E.K., Duncan, Desimone R. (2001) Responses of neurons in macaque area V4 during memory-guided visual search. **Cerebral Cortex**, 11, 761-772.

Jagadeesh B., **Chelazzi L.,** Mishkin M., Desimone, R. (2001) Learning increases stimulus salience in anterior inferior temporal cortex of the macaque. **Journal of Neurophysiology**, 86, 290-303.

Berlucchi G., **Chelazzi L.,** Tassinari G. (2000) Volitional covert orienting to a peripheral cue does not suppress cue-induced inhibition of return. **Journal of Cognitive Neuroscience**, 12, 648-663.

**Chelazzi L.,** Corbetta M. (2000) Cortical mechanisms of visuospatial attention in the primate brain. In **The Cognitive Neurosciences 2nd Edition**, Gazzaniga M.S. (Ed.), MIT Press, Cambridge, 667-686.

Berlucchi G., Aglioti S., **Chelazzi L.,** Peru A., Tassinari G. (1999) Possible recoding of visual space in covert orienting tasks. **Archives Italiennes de Biologie**, 137, 127-137.

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Reynolds J.H., **Chelazzi L.,** Desimone R. (1999) Competitive mechanisms subserve attention in macaque areas V2 and V4. **Journal of Neuroscience**, 19, 1736-1753.

**Chelazzi L.,** Duncan J., Miller E.K., Desimone R. (1998) Responses of neurons in inferior temporal cortex during memory-guided visual search. **Journal of Neurophysiology**, 80, 2918-2940.

Tassinari G., Aglioti S., **Chelazzi L.,** Peru A., Berlucchi G. (1998) On the time course of exogenous cueing effects: a response to Lupianez and Weaver. **Vision Research**, 38, 1625-1628.

Luck S.J., **Chelazzi L.,** Hillyard S.A., Desimone R. (1997) Neural mechanisms of spatial selective attention in areas V1, V2 and V4 of macaque visual cortex. **Journal of Neurophysiology**, 77, 24-42.

**Chelazzi L.**, Biscaldi M., Corbetta M., Peru A., Tassinari G., Berlucchi G. (1995) Oculomotor activity and visual spatial attention. **Behavioural Brain Research**, 71, 81-88.

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**Chelazzi L.**, Miller E.K., Duncan J., Desimone R. (1993) A neural basis for visual search in inferior temporal cortex. **Nature**, 363, 345-347.

Strata P., **Chelazzi L.**, Tempia F., Rossi F., Ghirardi M. (1992) Cerebellar control of saccadic eye movements in the pigmented rat. In **Cerebellum Revisited**, Llinas R., Sotelo C. (Eds.), Springer-Verlag, Berlin Heidelberg, pp. 215-225.

**Chelazzi L.**, Ghirardi M., Rossi F., Strata P., Tempia F. (1990) Spontaneous saccades and gaze holding ability in the pigmented rat: II. Effects of localized cerebellar lesions. **European Journal of Neurosciences**, 2, 1085-1094.

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Rossi F., **Chelazzi L.**, Tempia F., Strata P. (1989) Effects of ethanol and imidazobenzodiazepine Ro 15-4513 on spontaneous saccades of the pigmented rat. **Experimental Brain Research**, 76, 1-11.

Berlucchi G., Aglioti S., Biscaldi M., **Chelazzi L.**, Corbetta M., Tassinari G. (1989) Spatial constraints on the distribution of selective attention in the visual field. In **Brain and**

Reading, von Euler C., Lundberg I., Lennerstrand G. (Eds.), Wenner-Gren International Symposium Series, MacMillan, London, pp. 115-128.

Tempia F., **Chelazzi L.**, Rossi F., Ghirardi M., Strata P. (1989) Spontaneous saccades in the pigmented rat following inferior olive lesion. In The Olivocerebellar System in Motor Control, Strata P. (Ed.), Experimental Brain Research Series 17, Springer-Verlag, Berlin Heidelberg, pp. 294-298.

Lopiano L., **Chelazzi L.**, de' Sperati C., Tempia F., Strata P. (1989) Magnesium deficiency affects the pentylenetetrazol-induced convulsions in magnesium-deprived rats. Functional Neurology, 4, 229-234.

Rossi F., **Chelazzi L.**, Tempia F., Strata P. (1988) Antagonist action of imidazobenzodiazepine Ro 15-4513 on ethanol-induced alterations of saccadic eye movements in the pigmented rat. Neuroscience Letters, 89, 69-73.

Biscaldi M., Aglioti S., **Chelazzi L.** (1988) Attenzione selettiva attraverso i principali meridiani del campo visivo. Annali dell'Istituto Superiore di Sanità, 24, 567-570.

**Chelazzi L.**, Marzi C.A., Panozzo G., Pasqualini N., Tassinari G., Tomazzoli L. (1988) Hemiretinal differences in speed of light detection in esotropic amblyopes. Vision Research, 28, 95-104.

Tassinari G., Aglioti S., **Chelazzi L.**, Marzi C.A., Berlucchi G. (1987) Distribution in the visual field of the costs of voluntarily allocated attention and of the inhibitory after-effects of covert orienting. Neuropsychologia, 25, 55-71.