

Curriculum Vitae et Studiorum

LEONARDO CHELAZZI M.D. PH.D.



Date of birth July 21st, 1958
Place of birth Florence, Italy

Current position Full Professor and Chair of Neurophysiology, University of Verona, ITALY.

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Education and Career

July 1984 **Medical degree** at the University of Florence – Medical School, Italy.

Nov.'84-Aug.'86 **Visiting fellow** at the Institute of Human Physiology (Laboratory of Prof. Giovanni Berlucchi and Prof. Carlo A. Marzi), University of Verona, Italy.

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.

July 1989 **Ph.D. in Neurological Sciences** at the Department of Human Anatomy and Physiology, Section of Neurophysiology, University of Turin, Italy.

Jan.'89-Sep.'90 **Postdoctoral fellow** at the Institute of Human Physiology (Laboratory of Prof. Giovanni Berlucchi), University of Verona, Italy.

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.

Mar.'94-Sep. '00 **Assistant Professor** of Psychology at the Department of Neurological and Vision Sciences, Section of Physiology, University of Verona, Italy.

Oct. '00-Dec. '04 **Associate Professor** of Neurophysiology at the Department of Neurological and Vision Sciences, Section of Physiology, University of Verona, Italy.

Jan. '05-present **Full Professor** of Neurophysiology at the Department of Neurological and Vision Sciences, Section of Physiology, University of Verona, Italy.

Principal Lines of Research

- ▶ Neurocognitive mechanisms of visual selective attention
- ▶ Functional interplay between covert spatial attention and oculomotor control
- ▶ Cellular mechanisms underlying visual selective attention in the primate brain
- ▶ Cellular mechanisms underlying visual search in the primate 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 reward processing
- ▶ Behavioral manifestations of joint attention
- ▶ Attentional disturbances in the autistic syndrome
- ▶ Attentional disturbances in dyslexia
- ▶ Attentional disturbances in Parkinson's disease
- ▶ Role of the cerebellum in perception

Past and Present (main) Collaborations (alphabetical order)

- ▶ Prof. **Giovanni Berlucchi**, Department of Neurological and Movement Sciences, University of Verona, Italy
- ▶ 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. **Angelo Maravita**, Department of Psicologia, University of Milan Bicocca, ITALY.
- ▶ Prof. **Maria Concetta Morrone**, Department of Translational Research on New Technologies in Medicine and Surgery, University of Pisa, Italy.
- ▶ 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. **Piergiorgio Strata**, National Institute of Neuroscience, ITALY.
- ▶ Prof. **Jan Theeuwes**, Vrije Universiteit, Amsterdam, The Netherlands.
- ▶ Prof. **Massimo Turatto**, CiMeC, University of Trento, Italy.

Fellowships and Awards

August 1987	Travel grant from the European Science Foundation to attend the Second World Congress of Neuroscience (IBRO).
September 1990	Travel grant from the European Science Foundation to attend the 13 rd Annual Meeting of the European Neuroscience Association and the 22 nd Annual Meeting of the Brain and Behaviour Society.
Nov.'89-Oct.'90	Research fellowship from GLAXO.

Oct.'90-Sep.'92	Human Frontier Science Program (HFSP) long-term Postdoctoral Fellowship.
Sep.'92-Mar.'94	Postdoctoral Fellowship from the "John E. Fogarty International Center for Advanced Study in the Health Sciences".
September '99	1999 Novartis Italian award in basic Neuroscience.

Professional Activities

2001-2011	Committee member of the European Diploma in Cognitive and Brain Sciences (EDCBS).
2001-present	President of the "Associazione per le Neuroscienze – Giuseppe Moruzzi".
2002-2005	Committee member of the European Brain and Behaviour Society (EBBS).
2003-present	Effective member of the International Neuropsychological Symposium.
2005-2011	Chairman of the Ph.D. program in Neuroscience , University of Verona, Italy.
2005-2013	Chairman of CIRSAL - Interdepartmental Center for Animal Research, University of Verona, Italy.
2011-present	Member of the Scientific Committee of the Italian Institute of Neuroscience.
2011-2014	Committee member of the Italian Physiological Society (SIF).
2012-present	Member of the Review Board of the Human Frontier Science Program .
2013-present	Chairman of the Ph.D. program in "Neuroscience, and Psychological and Psychiatric Sciences" , University of Verona, Italy.

Editorial Activities

2013-present	Academic Editor for the journal PLoS ONE .
2014-present	Guest Editor of a Special Issue of the journal Visual Cognition on "Reward Guides Visual Attention: Selection, Learning and Motivation".
2014-present	Member of the Editorial Board of the journal Neuroscience .

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:

- ▶ Attention Perception & Psychophysics
- ▶ Brain Research
- ▶ Brain Research Bulletin
- ▶ Cerebral Cortex
- ▶ Cognition
- ▶ Cognitive, Affective and Behavioral Neuroscience
- ▶ Current Biology
- ▶ European Journal of Neuroscience
- ▶ Experimental Brain Research
- ▶ Journal of Cognitive Neuroscience
- ▶ Journal of Experimental Psychology: General
- ▶ Journal of Experimental Psychology: Human Perception and Performance
- ▶ Journal of Experimental Psychology: Learning Memory and Cognition
- ▶ Journal of Neurophysiology
- ▶ Journal of Neuroscience
- ▶ Journal of Vision
- ▶ Neuroimage
- ▶ 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:

- 1) the German **Volkswagen Foundation**;
- 2) the American **National Science Foundation**;
- 3) the British **Wellcome Trust Foundation**;

- 4) the French **Agence Nationale del la Recherche**;
- 5) the Belgian **Foundation Flanders**;
- 6) the international **Human Frontier Science Program**.

Research Grants

1998- to present	Continual support from the University of Verona, Medical School.
Jul.'97-Jun.'00	Research Grant (~270,000 US dollars) from the Human Frontier Science Program Organization (HFSP) , in collaboration with G. Mangun, S. Luck and H. Heinze.
Jan.'99-Dec.'00	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.
Aug.'99-Jul.'02	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.
Jan.'00-Dec.'01	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.
Jan.'01-Dec.'02	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.
Sep.'01-Aug.'04	Research Grant (~150,000 US dollars) from the Human Frontier Science Program Organization (HFSP) , in collaboration with J. Duncan, N. Kanwisher and M. Valdes-Sosa.
Jan.'04-Dec.'05	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.
Jan.'06-Dec.'07	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.
Jan.'08-Dec.'09	Research Grant (~260,000 Euros) from the " Fondazione Cariverona ", in collaboration with A. Fiaschi, M. Tinazzi, N. Smania, G. Moretto, P. Cesari, and others.
Sep.'08-Sep.'10	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.

Mar.'09-Feb.'12

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, Marseille

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

India – Allahabad

Portugal – Lisbon

Romania – Cluj Napoca

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

Papers published in peer-reviewed journals (ranked by Impact Factor 2014):

Journal	Impact Factor	N.
Nature	(I.F. = 42.351)	1
Annual Review of Neuroscience	(I.F. = 22.660)	1
Neuron	(I.F. = 15.982)	2
Nature Neuroscience	(I.F. = 14.976)	1
Cerebral Cortex	(I.F. = 8.305)	1
Journal of Neuroscience	(I.F. = 6.750)	4
Cortex	(I.F. = 6.042)	2
Journal of Experimental Psychology: General	(I.F. = 5.500)	1
Journal of Cognitive Neuroscience	(I.F. = 4.687)	5
Psychological Science	(I.F. = 4.430)	2
European Journal of Neuroscience	(I.F. = 3.670)	3
PLoS ONE	(I.F. = 3.530)	4
Neuropsychologia	(I.F. = 3.451)	1
Behavioural Brain Research	(I.F. = 3.391)	2
Cognitive Affective & Behavioral Neuroscience	(I.F. = 3.209)	1
Journal of Neurophysiology	(I.F. = 3.040)	3
Psychological Research	(I.F. = 2.462)	1
Vision Research	(I.F. = 2.381)	6
Experimental Brain Research	(I.F. = 2.170)	2
Neuroscience Letters	(I.F. = 2.055)	1
Functional Neurology	(I.F. = 1.855)	1
Visual Cognition	(I.F. = 1.651)	2
NeuroReport	(I.F. = 1.644)	1
Archives Italiennes de Biologie	(I.F. = 1.420)	1

In Inverse Chronological Order:

Pollmann S., Eštočinová J., Sommer S., **Chelazzi L.**, Zinke W. (2015) Neural structures involved in visual search guidance by reward-enhanced contextual cueing of target location. Submitted.

Marini F., Demeter E., Roberts K.C., **Chelazzi L.**, Woldorff M.G. (2015) Orchestrating proactive and reactive mechanisms for filtering distracting information: Brain-behavior relationships revealed by a mixed-design fMRI study. Submitted.

Sani I., Morrone M.C., **Chelazzi L.**, Santandrea E. (2015) Multiple gain mechanisms of attention in macaque area V4: Temporal dynamics and cell specificity. Submitted.

- Della Libera C., Santandrea E., **Chelazzi L. (2015)** Non-strategic impact of reward on strategic, top-down control of attention: II. Differential sensitivity to reward in men and women. Submitted.
- Della Libera C., Santandrea E., **Chelazzi L. (2015)** Non-strategic impact of reward on strategic, top-down control of attention: I. Reward modulates the cost of switching between attentional sets. Submitted.
- Tommasi G, Fiorio M., Yelnik J., Krack P., Sala F., Schmitt E., Fraix V., Bertolasi L., Le Bas J.-F., Ricciardi G.K., Fiaschi A., Theeuwes J., Pollak P., **Chelazzi L. (2015)** Disentangling the Role of Cortico-Basal Ganglia Loops in Top-down and Bottom-up Visual Attention: An Investigation of Attention Deficits in Parkinson's Disease. **Journal of Cognitive Neuroscience**, 27, 1215-1237.
- Hickey C., **Chelazzi L.**, Theeuwes J. (2014) Reward-priming of location in visual search. **PLoS ONE**, 9(7):e103372. doi: 10.1371/journal.pone.0103372. eCollection 2014.
- Deluca C., Golzar A., Santandrea E., Lo Gerfo E., Estocinova J., Moretto G., Fiaschi A., Panzeri M., Mariotti C., Tinazzi M., **Chelazzi L. (2014)** The cerebellum and visual perceptual learning: Evidence from a motion extrapolation task. **Cortex**, 58, 52-71.
- Chelazzi L.**, Eštočinová J., Calletti R., Lo Gerfo E., Sani I., Della Libera C., Santandrea E. (2014) Altering spatial priority maps via reward-based learning. **Journal of Neuroscience**, 34, 8594-8604.
- Perlato A., Santandrea E., Della Libera C., **Chelazzi L. (2014)** Biases of attention in chronic smokers: men and women are not alike. **Cognitive, Affective, & Behavioral Neuroscience**, 14, 742-755.
- Sani I., Santandrea E., Golzar A., Morrone M.C., **Chelazzi L. (2013)** Selective tuning for contrast in macaque area V4. **Journal of Neuroscience**, 33, 18583-18596.
- Marini F., **Chelazzi L.**, Maravita A. (2013) The Costly Filtering of Potential Distraction: Evidence for a Supramodal Mechanism. **Journal of Experimental Psychology: General**, 142, 906-922.
- Chelazzi L.**, Perlato A., Santandrea E., Della Libera C. (2013) Rewards teach visual selective attention. **Vision Research**, 85, 58-72.
- Roe A.W., **Chelazzi L.**, Connor C.E., Conway B.R., Fujita I., Gallant J., Lu H., Vanduffel W. (2012) Towards a unified theory of visual area V4. **Neuron**, 74, 12-29.
- Caselli L., **Chelazzi L. (2011)** Does the macaque monkey provide a good model for studying human executive control? A comparative behavioral study of task switching. **PLoS ONE**, 6(6): e21489. doi:10.1371/journal.pone.0021489.
- Mazza V., Dallabona M., **Chelazzi L.**, Turatto M. (2011) Cooperative and opposing effects of strategic and involuntary attention. **Journal of Cognitive Neuroscience**, 23, 2838-2851.
- Della Libera C., Perlato A., **Chelazzi L. (2011)** Dissociable effects of reward on attentional learning: From passive associations to active monitoring. **PLoS ONE**, 6, e19460.

- Hickey C., **Chelazzi L.**, Theeuwes J. (2011) Reward has a residual impact on target selection in visual search, but not on the suppression of distractors. **Visual Cognition**, 19, 117-128.
- 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**, 5, e14087.
- Hickey C., **Chelazzi L.**, Theeuwes J. (2010) Reward changes salience in human vision via the anterior cingulate. **Journal of Neuroscience**, 30, 11096-11103.
- 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.
- 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., Giancesini 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.
- 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.
- Chelazzi L. (1999)** Serial attention mechanisms in visual search: A critical look at the evidence. **Psychological Research**, 62, 195-219.
- 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.
- Chelazzi L. (1995)** Neural mechanisms for stimulus selection in cortical areas of the macaque subserving object vision. **Behavioural Brain Research**, 71, 125-134.
- Tassinari G., Aglioti S., **Chelazzi L.**, Peru A., Berlucchi G. (1994) Do peripheral non-informative cues induce early facilitation of target detection? **Vision Research**, 34, 179-189.
- Chelazzi L.**, Miller E.K., Duncan J., Desimone R. (1993) A neural basis for visual search in inferior temporal cortex. **Nature**, 363, 345-347.

- 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.
- Strata P., **Chelazzi L.**, Ghirardi M., Rossi F., Tempia F. (1990) Spontaneous saccades and gaze holding ability in the pigmented rat: I. Effects of inferior olive lesion. **European Journal of Neuroscience**, 2, 1074-1084.
- Chelazzi L.**, Rossi F., Tempia F., Ghirardi M., Strata P. (1989) Saccadic eye movements and gaze holding in the head-restrained pigmented rat. **European Journal of Neuroscience**, 1, 639-646.
- 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.
- 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.
- 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.

Book Chapters (In Inverse Chronological Order):

- Chelazzi L.**, Della Libera C., Sani I., Santandrea E. (2011) Neural Basis of Visual Selective Attention. In **Wiley Interdisciplinary Reviews: Cognitive Science**, Nadel L. Ed., John Wiley & Sons Ltd. 2, 392-407.
- 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.
- 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.
- Desimone R., **Chelazzi L.**, Miller E.K., Duncan J. (1995) Neuronal mechanisms of visual attention. In **Early Vision and Beyond**, T.V. Pappathomas, C. Chubb, A. Gorea, E. Kowler (Eds.), MIT Press, Cambridge, pp. 219-226.

- Desimone R., Miller E.K., **Chelazzi L.**, Lueschow A. (1995) Multiple memory systems in the visual cortex. In **The Cognitive Neurosciences**, M.S. Gazzaniga (Ed.), MIT Press, Cambridge, pp. 475-486.
- Desimone R., **Chelazzi L.**, Miller E.K., Duncan J. (1994) Neural mechanisms for memory-guided visual search. In **Structural and Functional Organization of the Neocortex**, B. Albovitz, K. Albus, U. Kuhnt, H. Ch. Nothdurft, P. Wahle (Eds.), Springer-Verlag, Berlin Heidelberg, pp. 279-285.
- Desimone R., Miller E.K., **Chelazzi L.** (1994) The interaction of neural systems for attention and memory. In **Large-Scale Neuronal Theories of the Brain**, C. Koch, J.L. Davis (Eds.), MIT Press, Cambridge, pp.75-91.
- 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.
- 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.
- 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.

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