

# Curriculum Vitae et Studiorum

LEONARDO CHELAZZI M. D. PH. D.

Date of birth

Place of birth

Current position Full Professor of Physiology at the 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 visual selective attention and reward processing
- ▶ 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
- ▶ Behavioral manifestations of joint attention
- ▶ Attentional disturbances in chronic smokers
- ▶ 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 (a lphabeti cal order)**

- ▶ Prof. Giovanni Berlucchi, Department of Neuroscience, Biomedicine 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. Carlo A. Marzi, Department of Neuroscience, Biomedicine and Movement Sciences, University of Verona, 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.
- ▶ Prof. Stefan Pollmann, Institut für Psychologie II, Otto-von-Guericke-Universität, Magdeburg, Germany
- ▶ 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.
- ▶ Prof. Marty Woldorff, Centre for Cognitive Neuroscience, Duke University, Durham, NC, U.S.A.

## **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<sup>rd</sup> Annual Meeting of the European Neuroscience Association and the 22<sup>nd</sup> 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 No variis 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.
- 2011–2014 Committee member of the Italian Physiological Society (SIF).
- 2011–2016 Member of the Scientific Committee of the Italian Institute of Neuroscience.
- 2012–2013 Panel member for the evaluation of Italian Universities and Research – ANVUR VQR2004-2010.

2012–2016 Member of the Review Board of the Human Frontier Science Program.  
2013–2014 Panel member for the nation-wide evaluation of candidates for professorship in Physiology (ASN 2012-2013).  
2013–2018 Chairman of the Ph.D. program in “Neuroscience, Psychological and Psychiatric Sciences, and Movement Sciences” , University of Verona, Italy.  
2015–present Member of the Board of Directors of the Italian “National Institute of Neuroscience” (INN) and Coordinator of the Verona Unit of INN.  
2015–present Member of the National Committee of Italian Professors of Physiology.  
2018–present President of the “Center for Technological Platforms” of the University of Verona.  
2018–present Chairman of the Italian University Professors of Physiology.  
2018–present Panel member for the nation-wide evaluation of candidates for professorship in Physiology (ASN 2018-2020).

## **Editorial Activities**

2013–present Academic Editor for the journal PLoS ONE.  
2014–present Member of the Editorial Board of the journal Neuroscience.  
2014–2015 Guest Editor of a Special Issue of the journal Visual Cognition on “Reward Guides Visual Attention: Selection, Learning and Motivation”.  
2016–2017 Guest Editor of a Special Issue of the journal Cortex on “The Unconscious Guidance of Attention”.

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

- ▶ Italian Physiological Society (SIF)
- ▶ Italian Psychological Society (AIP)
- ▶ Italian Society for Neuroscience (SINS)
- ▶ Italian Society for Neuropsychology (SINP)
- ▶ European Brain and Behaviour Society (EBBS)
- ▶ European Society for Cognitive Psychology (ESCoP)
- ▶ International Brain Research Organization (IBRO)
- ▶ Cognitive Neuroscience Society (CNS)
- ▶ Society for Neuroscience (SfN)
- ▶ Psychonomic Society
- ▶ Vision Science Society (VSS)

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

- ▶ Attention Perception & Psychophysics
- ▶ Brain Research
- ▶ Brain Research Bulletin
- ▶ Cerebral Cortex
- ▶ Cognition
- ▶ Cognitive, Affective and Behavioral Neuroscience
- ▶ Cognitive Neuroscience
- ▶ Current Biology
- ▶ European Journal of Neuroscience
- ▶ Experimental Brain Research
- ▶ Human Brain Mapping
- ▶ Journal of Comparative Psychology
- ▶ 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 Memory and Language
- ▶ Journal of Neurophysiology
- ▶ Journal of Neuroscience
- ▶ Journal of Vision
- ▶ Neuroimage
- ▶ Neuron
- ▶ Neuropsychologia
- ▶ Neuroscience & Biobehavioural Reviews
- ▶ Perception & Psychophysics
- ▶ PLoS Biology
- ▶ PLoS One
- ▶ Proceedings of the National Academy of Sciences
- ▶ Psychological Research
- ▶ Psychological Reviews
- ▶ Psychological Science
- ▶ Psychonomic Bulletin & Review
- ▶ Quarterly Journal of Experimental Psychology
- ▶ Science
- ▶ Scientific Reports
- ▶ Social, Cognitive & Affective Neuroscience
- ▶ 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 Italian Ministry of University and Research;
- 2) The German Volkswagen Foundation;
- 3) The American National Science Foundation;
- 4) The British Wellcome Trust Foundation;
- 5) The French Agence Nationale de la Recherche;
- 6) The Belgian Foundation Flanders;
- 7) 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'Università 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'Università 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'Università 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'Università 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'Università 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'Università 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.

Oct. '16–Sept. '18 Research Grant (57,000 Euros) from the University of Verona - “Bando di Ateneo per la Ricerca di Base 2015” .

Feb. '17–Feb. '20 Research Grant (30,000 Euros) from the Italian Government (Ministero dell'Istruzione, dell'Università e della Ricerca, MIUR), in collaboration with C. Galletti, R. Caminiti, L. Fadiga, L. Fogassi.

Mar. '18–Feb. '21 Research grant (~100,000 Euros) from the EU FLAG-ERA Program Human Brain Project, in collaboration with S. Ben-Hamed, E. Macaluso and N. Boehler.

## 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, Siena, Trieste, Vietri

Argentina – Buenos Aires

Belgium – Leuven

Canada – Montreal, Toronto

Denmark – Copenhagen

Finland – Turku

France – Lyon, Marseille

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

India – Allahabad

Portugal – Lisbon

Romania – Cluj Napoca

Spain – Barcelona, Madrid

Switzerland – Fribourg, Geneve, 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 2017):

Journal Impact Factor n.

Nature (I.F. = 41.577) 1

Nature Neuroscience (I.F. = 19.912) 1

Annual Review of Neuroscience (I.F. = 14.675) 1

Neuron (I.F. = 14.318) 3

Cerebral Cortex (I.F. = 6.308) 1

Psychological Science (I.F. = 6.128) 2

Journal of Neuroscience (I.F. = 5.970) 5

Neuroimage (I.F. = 5.426) 1

Cortex (I.F. = 4.907) 5

Journal of Experimental Psychology: General (I.F. = 4.107) 2

Journal of Cognitive Neuroscience (I.F. = 3.468) 5

Cognitive Neuroscience (I.F. = 3.417) 1

Investigative Ophthalmology & Visual Science (I.F. = 3.388) 1

Progress in Brain Research (I.F. = 3.174) 1

Behavioural Brain Research (I.F. = 3.173) 2

Neuropsychologia (I.F. = 2.888) 1

Wiley Interdisciplinary Reviews: Cognitive Science (I.F. = 2.881) 1

European Journal of Neuroscience (I.F. = 2.832) 3

PLoS ONE (I.F. = 2.766) 4

Cognitive Affective & Behavioral Neuroscience (I.F. = 2.565) 1

Journal of Neurophysiology (I.F. = 2.502) 4

Psychological Research (I.F. = 2.329) 1

Neuroscience Letters (I.F. = 2.159) 1

Vision Research (I.F. = 2.069) 6

Functional Neurology (I.F. = 1.855) 1

Experimental Brain Research (I.F. = 1.806) 2

Visual Cognition (I.F. = 1.343) 2

NeuroReport (I.F. = 1.266) 1

Archives Italiennes de Biologie (I.F. = 0.595) 1

Journal of Cognition (I.F. = N.A.) 1

Total Impact Factor > 300

Average Impact Factor ≈ 5

H-index = 29

Total Citations > 7000

(Source: Scopus)

H-index = 37

Total Citations > 11500

(Source: Google Scholar)

## In Inverse Chronological Order:

Chelazzi L., Marini F., Pascucci D., Turatto M. (2019) Getting rid of visual distractors: The

why, when, how and where. Submitted.

Lega C., Ferrante O., Marini F., Santandrea E., Cattaneo L., **Chelazzi** L. (2019) Probing the neural mechanisms for distractor filtering and their history-contingent modulation by means of TMS. Submitted.

Della Libera C., Zandonai T., Zamboni L., Santandrea E., Sandri M., Lugoboni F., Chiamulera C., **Chelazzi** L. (2019) Attention biases in chronic smokers: Dissociable components revealed through an individual-differences approach. Submitted.

Pascucci D., Mancuso G., Santandrea E., Della Libera C., Plomp G., **Chelazzi** L. (2019) Laws of concatenated perception: Vision goes for novelty, decions for perseverance. Submitted.

Pascucci D., **Chelazzi** L. (2019) Altering summary statistics via bottom-up attention augmented by selection history. Submitted.

Santandrea E., Sani I., Morbioli G., Multari D., Marchini G., **Chelazzi** L. (2018) Optic nerve degeneration and reduced contrast sensitivity due to folic acid deficiency: A behavioural and electrophysiological study in Rhesus monkeys. *Investigative Ophthalmology & Visual Science*, 59, 6045-6056.

Turatto M., Bonetti F., Pascucci D., **Chelazzi** L. (2018) Desensitizing the attention system to distraction while idling: A new latent learning phenomenon in the visual attention domain. *Journal of Experimental Psychology: General*, 147, 1827-1850.

**Chelazzi** L., Santandrea E. (2018) High-acuity information is retained through the cortical visual hierarchy of primates. *Neuron*, 98, 240-242.

**Chelazzi** L., Santandrea E. (2018) The time constant of attentional control: Short, medium and long (infinite?). *Journal of Cognition*, 1(1), 27. DOI: <http://doi.org/10.5334/joc.24>.

Ferrante O., Patacca A., Di Caro V., Della Libera C., Santandrea E., **Chelazzi** L. (2018) Altering spatial priority maps via statistical learning of target selection and distractor filtering. *Cortex*, 102, 67-95.

**Chelazzi** L., Bisley J.W., Bartolomeo P. (2018) The unconscious guidance of attention. *Cortex*, 102, 1-5.

Sani I., Morrone M.C., Santandrea E., **Chelazzi** L. (2017) Temporally evolving gain mechanisms of attention in macaque area V4. *Journal of Neurophysiology*, 118, 964-985.

Della Libera C., Calletti R., Eštočinová J., **Chelazzi** L., Santandrea E. (2017) Reward-based plasticity of spatial priority maps: Exploiting inter-subject variability to probe the underlying neurobiology. *Cognitive Neuroscience*, 8, 85-101.

Eštočinová J., Lo Gerfo E., Della Libera C., **Chelazzi** L., Santandrea E. (2016) Augmenting distractor filtering via transcranial magnetic stimulation of the lateral occipital cortex. *Cortex*, 84, 63-79.

Bourgeois A., **Chelazzi** L., Vuilleumier P. (2016) How motivation and reward learning modulate selective attention. *Progress in Brain Research*, 229, 325-342.

Marini F., Demeter E., Roberts K.C., **Chelazzi** L., Woldorff M.G. (2016) Orchestrating proactive and reactive mechanisms for filtering distracting information: Brain-behavior relationships revealed by a mixed-design fMRI study. *Journal of Neuroscience*, 36, 988-1000.

Pollmann S., Eštočinová J., Sommer S., **Chelazzi** L., Zinke W. (2016) Neural structures involved in visual search guidance by reward-enhanced contextual cueing of target location. *Neuroimage*, 124, 887-897.

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 Bottomup 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.

**Chelazzi L.**, Della Libera C., Sani I., Santandrea E. (2011) Neural basis of visual selective attention. *Wiley Interdisciplinary Reviews: Cognitive Science*, 2, 392-407.

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., 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.
- 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 noninformative 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 Neuroscience*, 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.

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