CURRICULUM VITAE

Maria Concetta Morrone



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June 2023

SUMMARY

Maria Concetta Morrone graduated in Physics from the University of Pisa in 1977 and trained in Biophysics at the Scuola Normale Superiore from 1973 to 1980. Following research positions in the Department of Psychology of the University of Western Australia, the Scuola Normale Superiore of Pisa, and the CNR Institute of Neuroscience, she was appointed Professor of Psychophysiology in the Faculty of Psychology of the Università Vita-salute S Raffaele Milan in 2000. From 2008 she is Professor of Physiology of the School of Medicine of University of Pisa. She has been awarded major national and international prizes for scientific achievements, including the inaugural *Campbell Award* for Australian Neuroscience, the National Prize of the President of Italy for Physiopathology from the *Accademia dei Lincei* (2002), the Perception Lecture (Budapest: 2004), and the *Kofka Prize* in development and perception (Giessen: 2011) and the *Ken Nakayama Medal for Excellence in Visual Science* from VSS (St Petersburg, USA 2019), Elected president of *Italian Society for Neuroscience* (2023). In **2013**, she was awarded an ERC-IDEA Advanced Grant. In 2014, she was elected member of the prestigious Accademia dei Lincei. From an initial interest in biophysics and physiology, where she made many seminal contributions, she moved then on to psychophysics and visual perception. Her research career has been dedicated to understanding the function of the mammalian visual system, where she has made many important contributions fundamental in shaping the field. The research involves the study of both humans and animals using a variety of techniques, including psychophysics, electro-physiology, functional brain imaging, computational modelling and artificial intelligence. The

simultaneous mastery of all these techniques has made it possible to tackle a wide spectrum of problems, approaching each problem from a different perspective in a truly interdisciplinary manner. Over the years the research has spanned most active areas of vision research, including spatial vision, development, plasticity, attention, colour, motion, robotics, vision during eye movements and more recently multisensory perception and action. Recently she is developing appropriate techniques for ultra-high field (7T) MR for studying BOLD with the resolution of cortical layer, with interest also in pre-clinical research in child neurology, in neuronal disorder in obesity and in Vision Restoration protocols. Prof. Morrone has published some 220 publications in excellent international peer-review journals, including *Nature* and her sister journals, *Neuron*, *Current Biology*, *eLife* and *Trends in Neuroscience*. During the course of her career she has established three new laboratories in Perth, Pisa, and Milan, all with state-of-the-art technology and all still active and productive. She is Chief Editor of major specialized journals and one of the founding editors of the first Open Access journal in Life Sciences.

Education

1977: BSc (cum laude) in physics, Pisa University

1977-1981: Doctoral Fellowship in biophysics, *Scuola Normale Superiore*, Pisa

1978: Fellowship from *Universitatsgesellschaft*, University of Ulm, Germany

1981-1995: *Ricercatore* ("Assistent Professor"), *Scuola Normale Superiore*, Pisa.

1982-1987: Senior Research Officer, Department of Psychology, University of Western Australia.

1995-2000: *Primo Ricercatore* ("Principal Scientist"), *Istituto di Neurofisiologia* CNR, Pisa.

2000 Acting director of the *Istituto di Neurofisiologia* CNR.

2000-2008 Professor of Psychophysiology, Faculty of Psychology, *Università Vita-Salute San Raffaele*, Milan.

2008- Professor of Physiology (BIO/09) Medical School, University of Pisa.

2008-2017 Part-time Senior Researcher -Robotics, Brain and Cognitive Sciences Department - Italian Institute of Technology (IIT)- Genova

2008-2019 Director of Vision Laboratory , IRCCS Fondazione Stella Maris, - Pisa

PRIZES and HONOURS:

1987 Campbell Award from the Australian Neuroscience Society.

2002 Accademia Dei Lincei: "*Premio Nazionale del Ministro per i Beni e le Attività Culturali*" for Physiology and Pathology.

2004 *The Perception Lecture*, European Conference of Visual Perception, Budapest.

2006 Elected member of the International Neuropsychology Symposium

2011 The Koffka Medal in development and perception, Giessen

2012 Program committee Forum for European Neuroscience Society (FENS)

2014 Awardee of an ERC-IDEA Advanced Grant

2014 Member (Socio Corrispondente) of the Accademia dei Lincei – "Classe di Scienze di Fisiche, Matematiche e Naturali, Categoria V - Sezione Fisiologia, Farmacologia e Neuroscienze".
2019 Ken Nakayama Medal for Excellence in Visual Science from VSS
2023 Member of Academia Europaea, Physiology and Neuroscience
2023 Elected President of Italian Society for Neuroscience
2024 Senior Member (Socio Nazionale) of the Accademia dei Lincei – "Classe di Scienze di Fisiche, Matematiche e Naturali, Categoria V - Sezione Fisiologia, Farmacologia e Neuroscienze".

Main Scientific Responsibility:

Founding editor of *Journal of Vision* (2000-2012), the first fully electronic journal in neuroscience.

Member of the Editorial Board (1992-1996) and **Section Editor** of the Computational Vision Section (1997-2000) of *Vision Research*.

Founding Editor in Chief (2010-2015) and **Editor** (2010-present) of Journal *Multisensory Research*

Editor and Advisor Board Member (2015-2021) of *Scientific Report* of Nature Publishing Group

Associate Editor (2017-) of Journal of Neuroscience

Faculty Member (2017-) of Faculty 1000 Prime

Editorial Board (2016) of *Neuroscience Research*

Guest Editor (2016) Volume 29, Special Issue on "Hot Topics in Multisensory Processing Selected articles from the IMRF 2015 — 16th International Multisensory Research Forum, Pisa," with M. Ernst

Panel Member (2016-) of ERC LS5 advance grants

Panel Member (2018-2021) "The Wellcome Trust"- UK

Editor of the 50-year celebration issue of *Vision Research*

Guest Editor (2007) Special Issue "Image Perception" of the EURASIP Journal on Applied Signal Processing.

Guest Editor (2011) of the special issues **50th anniversary of Vision Research**

Conference Organization:

Organiser of the "15th European conference on visual perception" (ECVP) in Pisa 1992.

Organiser (together with Giovanni Cioni, David Burr and Adriana Fiorentini) of the **5th Meeting of the Child Vision Research Society**, Pisa, 1997.

Organiser of the "3rd Annual Vision Research Conference – Pre-attentive and Attentive Mechanisms in Vision" Fort Lauderdale, Florida, USA, 1997, with other members of the Editorial Board of *Vision Research*.

Organiser of symposium "The Neural Mechanisms of Time" for the International Neuropsychology Society (INS), Teneriffe 2008**.**

Organiser of the international symposium "**Multi-sensory space perception**" with Prof. Burr, Sandini and Gori, Sestri Levante 19-21 Luglio 2011

Organiser of the international symposium "**Active Vision**" with Prof. Burr. S Elia a Pianisi (CB) 12-19 June 2013.

Organiser of symposium "**Multisensory neural maps for body schema,action and perception: development and dysfunction"** with Prof Ladavas and Roeder for the International Neuropsychology Society (INS), Nerja- Málaga, Spain 25-29 June, 2013

Member of the Organizer Committee of the XV Congress of the Italian Society of Neuroscience **Rome 3-5 Ottobre 2013**

Program Committee Member FENS FORUM 2014

International Multisensory Research Forum, Pisa 12-16 June 2015 with Roberto Arrighi and Marco Cicchini

Main Administrative Responsibility:

Elected President and President of Italian Society of Neuroscience (1-1-2024 to 1-1-2028)

Scientific Advisory Committee Member (2014- 2024) of the Département d'Etudes Cognitives of the Ecole Normale Supérieure, Paris.

Member (2021-2024) Elected Member of the "Consiglio di Amministrazione" of University of Pisa

Member (2020-2021) of the commission ASN Bio/09

Member (2019-2021) Elected Member of the Senate of University of Pisa

Coordinator (2017 - 2021) of the Master Degree in Neurosciences, University of Pisa

Member (2019**)** of the "Pari Opportunità" Commission of Accademia Nazionale dei Lincei

Member (2020**)** of the COVID Commission of Accademia Nazionale dei Lincei

Member (2020**)** COVID-19 Advisory Group of InterAcademy Partnership (IAP).

Member (2015-) of Consiglio Scientifico Imago 7

Member (2011-2012) of the Research Committee for bio-science of Pisa University

Italian National Contact Point (2011 -2014) of the COST Action TIMELY

Member of the selection committee of Visual Science Society (VSS) Board 2007-2008.

Member (2005-2006) and chair (2006-2007) of the quality control committee for the University *Vita-Salute "San Raffaele".*

Other positions:

Visiting Scholar 1994-1997 Boston University - Dept. of Biomedical Engineering.

Adjunct Professor (2001-2004) of the Department of Psychology of the University of Western Australia.

Visiting Professor (2001) Center for Neuronal Science - New York University NY.

Distinguished Scholar (2002) Smith-Kettlewell Eye Research Institute, San Francisco, for collaborative research with Susanne McKee and Preeti Verghese.

Consultant for the "Fondazione Stella Maris" (1998-2013) – Center for research in developmental neurology and neuro-rehabilitation.

Consultant for the following funding agencies:

European Community – 4 th, 5 th, 6th and 7 th Framework Program (both for *Life Science* and *Information Society Technologies* calls)
Panel Member of ERC - Advanced grant
Panel Member - Wellcome Trust
Reviewer for ERC program
MIUR - IT
Grant Reviewer for:
Human Frontier Science Program
"National Science Foundation" (USA).
Australian Research Council.
Health Research Council of New Zealand
"The Wellcome Trust"- UK
"Biotechnology and Biological Sciences Research Council" – UK
French National Grants "ACI 2002"
French National Grants "CNRS ATIP"

Habitual referee for

Science
Nature Neuroscience
Neuron
Current Biology
Journal of Neuroscience
Cerebral Cortex
Trends in Cognitive Sciences
Brain
Proceedings of The Royal Society
Journal of Optical Society of America
Nature Communication
Journal Neurophysiology
Journal Physiology
Perception
Perception and Psychophysics.
Spatial Vision
Psychopharmacology
Visual Neuroscience.
Vision Research
European Journal of Neuroscience.

Some Public lectures and out-reach activity:

Infinitamente: Fattore Umano Cervello e coscienza. March 2010, Verona

7Th World Conference Future of Sciences. Mind: the essence of humanity. September 2011, Venice

Infinitamente: Tempo, Spazio ed Infinito. March 2012, Verona

Accademia Nazionale dei Lincei. Lecture to the general public on "Lo spazio, il tempo e I numeri nel cervello" Gennaio 2013

Coordinator of Polo del Molise (2013 -) "Fondazione Lincei per la Scuola".

Coordinator of Polo Scuola Normale Superiore e Lincei per la scuola (2017 -) "Fondazione Lincei per la Scuola".

Member (2016) of 100 ESPERTE

Member (2015) of Top Italian Scientists

On 1-2024: Citations **(Google ScHolar Index): 18570Hirsch factor: 70 i10-Index: 187**

https://scholar.google.it/citations?hl=it&user=e8fpixgAAAAJ

http://www.pisavisionlab.org/index.php/people/faculty/morrone#2017 for pdf of the papers

SUMMARY OF PUBLICATIONS (January 2023)

Journal	**N Pubs**	**Journal**	**N Pubs**
Nature	**8**	*Philos Trans of Biol Scienc B* *Ann Rev Vis Science*	2
*Trends in Neurosc (*TINS) *Trends in Cog Sci(*TICS)	**3**	*Plos One*	2
Nature Neuroscience	**5**	*Neuropsychologia*	3
Neuron	**1**	*European J Neuroscience*	2
Plos Biology	**2**	*J of Vision*	19
Current Biology	**14**	*Inv. Ophtal Vis Scie*	4
Neuroscience and BioBehav Rev	**1**	*Vision Res.*	34
eLife	**3**	*Exp Brain Res.*	8
J. of Neuroscience	**12**	*Behav Res Methods*	1
Cortex	**2**	*Visual Neuroscience*	7
J. Physiology	**5**	*Brain Res.*	1
J. of Cognitive Neurosc	**2**	*Brain Struct and Funct*	1
Neuroimage	**1**	*Behav. Brain Res*	2
Scientific Report *iScience*	**6** **3**	*J. Opt. Soc. Am.*	3
J. Neurophysiology- eNeuro	**7**	*Int. J. Psychophy*	1
Ann Clinical Trasl Neurol.	**1**	*Perception*	3
Proc. Roy. Soc.	**12**	*Multisensory Research*	3
Neuroreport	**1**	*Pattern Recognition Letters*	2
Review on invitation and Others	**22**	**Total**	**221**

Recent major grants

"PRIN Miur" (2006-2007) National coordinator of project: "Dynamic vision: keeping vision stable in the face of continual eye-movements.".

FP6-2005-NEST-Path (2007-2010) "MEMORY". Coordinator, with partners: University of Marburg – Germany; University of Applied Science – Ticino – Switzerland; IIT CNR Pisa – Italy.

"PRIN Miur" (2008-2010) National coordinator of project: "Keeping vision stable in the face of continual eye-movements".

ISA-2010: Coordinator Prof Lacquaniti. 2011-2012. " Fusione audio-visiva"**.**

"PRIN Miur" (2011-2013) National Coordinator of project: "Neuronal mechanisms for the perception of space, time and number"

"Marie Curie International Outgoing Fellowship" (2011-2014) European Union - 7th Framework Programme – Project "AWESoMe" Coordinator. Beneficiary Dr Paola Binda

ERC- IDEA Advanced Grant (2012-2014) 7th Framework Programme **"**Space, Time And Number in the Brain **STANIB PI David Burr. CO-PI**

ERC- IDEA Advanced Grant (2014-2019) 7th Framework Programme **"**Early Cortical Sensory Plasticity and Adaptability in human adults: **ECSPLAIN"**

"Marie Curie ITN" – Horizon 2020 (2015- 2019) "Training the Next Generation of European Visual Neuroscientists for the benefit of innovation in health care and high-tech industry**" 2015-2019**

"Neuron EC": NEURODREAM (2017-2019) Neuro-Developmental Research on the Etiology of Amblyopia and its Management. Italian PI. Coordinator Jochen Triesch (DE)

Fondazione Roma – (2015-2018) "Cortical Plasticity in Retinitis Pigmentosa: an integrated study from animal models to humans". Coordinator

"PRIN Miur" (2016-2019) "Adult visual cortex plasticity: from animal models to humans". Coordinator

ERC- IDEA Advanced Grant (2019-2024) H2020 **"GENPERPT" PI: David Burr, Co-Pi**

"PRIN Miur" (2019-2021) "Temporal context in perception: serial dependence and rhythmic oscillations". Partner

"Television" Progetti CNR (2022-2024). "A telemedicine-based intervention of motor training for visual cortex plasticity in juveniles with amblyopia". PI A. Sale. Co-Pi

"PRIN Miur" 2017 (2023) "Temporal context in perception: serial dependence and rhythmic oscillations". Coordinator

Fondazione Pisa settore Ricerca Scientifica e Tecnologica (2024) "AURORA"

Coordinator IMAGO7. PI for UNIPI

TNE 2023/26 (MICE) Neurobridge. Coordinator SNS. PI for UNIPI

Publications (2026)

(Some downloadable: http://www.pisavisionlab.org/index.php/people/faculty/morrone**)**

1 Maffei, L., Morrone, M.C., Pirchio, M. & Sandini, G. (1979) A perceptual phenomenon and its neurophysiological correlate. *Perception* **8** 43-46.

2 Maffei, L., Morrone, M. C., Pirchio, M. & Sandini, G. (1979) Response of visual cortical cells to periodic and non-periodic stimuli. *J. Physiol.* **296** 27-47.

3 Hoffmann, K.P., Morrone, C. & Reuter, J.H. (1980) A comparison of the response of simple cells in the LGN and visual cortex to bar and noise stimuli in cat. *Vision Research* **20** 771- 777.

4 Burr, D.C., Morrone, M.C. & Maffei, L (1981) Intracortical inhibition prevents simple cells from responding to textured patterns. *Exp. Brain Res.* **43** 455-458.

5 Cattaneo, A., Maffei, L. & Morrone, M. C. (1981) Patterns in the discharge of simple and complex visual cortical cells. *Proc. Roc. Soc. (Lond.) B* **212** 279-297.

6 Cattaneo, A., Maffei, L. & Morrone, C. (1981) Two firing patterns in the discharge of complex cells encode different attributes of the visual stimulus. *Exp Brain Research* **43** 115-118.

7 Morrone, M.C., Burr, D.C. & Maffei, L. (1982) Functional implications of cross-orientational inhibition of cortical visual cells. Part I Neurophysiological evidence. *Proc. Roy. Soc. (London)* **B216** 335-354.

8. Morrone, M.C., Burr, D.C. & Ross, J. (1983) Added noise restores recognition of coarse quantised images. *Nature* **305** 226-228.

9. Morrone, M.C., Burr, D.C. & Ross, J. (1984) Noise and recognizability of coarse quantized images. *Nature* **308** 214.

10. Berardi, N. & Morrone, M. C. (1984) The role of γ-aminobutyric acid mediated inhibition in the response properties of cat lateral geniculate nucleus neurones. *J. Physiol.* **357** 505- 523.

11. Berardi, N. & Morrone, M.C. (1984) Development of γ-aminobutyric acid mediated inhibition of X cells of the cat lateral geniculate nucleus. *J. Physiol.* **357** 525-537.

12. Burr, D.C., Ross, J. & Morrone, M.C. (1985) Local regulation of luminance gain *Vision Res.* **25** 717-728.

13. Di Stefano, M, Morrone, M.C. & Burr, D.C. (1985) Spatial acuity of cells of the post medial lateral suprasylvian gyrus *Brain Res.* **331** 382-385.

14. Burr, D.C., Ross, J. & Morrone, M.C. (1986) A spatial illusion from motion rivalry. *Perception* **15** 59-66.

15. Morrone, M.C. & Burr, D.C. (1986) Evidence for the existence and development of visual inhibition in humans. *Nature* **321** 235-237.

16. Burr, D.C., Morrone, M.C. & Ross, J. (1986) Local and global visual analysis. *Vision Res.* **26** 749-757.

17. Hayes, T., Morrone, M.C. & Burr, D.C. (1986) Recognition of band-pass filterred positive and negative band-pass filtered images. *Perception* **15** 595-602.

18. Burr, D.C., Ross, J. & Morrone, M.C. (1986) Seeing objects in motion *Proc. Roy. Soc. (Lond)* **B227** 249-265.

19. Burr, D.C., Ross, J. & Morrone, M.C. (1986) Smooth and sampled motion. *Vision Research* **26** 643-652.

20. Morrone, M.C., Di Stefano, M. & Burr, D. (1986) Spatial and temporal selectivity of neurones of the lateral suprasylvian gyrus of the cat. *J. Neurophysiol.* **56** 969-986.

21. Morrone, M.C., Ross, J., Burr, D.C. & Owens, R. (1986) Mach bands are phase dependent. *Nature* **324** 250-253.

22. Morrone, M.C., Burr, D.C. & Speed, H.D. (1987) Cross-orientation inhibition in cat is GABA mediated. *Exptl. Brain Res.* **67** 635-644.

23. Burr, D.C., Fiorentini, A. & Morrone, M.C. (1987) Electrophysiological correlates of positive and negative afterimages. *Vision Res.* **27** 201-207.

24. Morrone, M.C. & Owens, R. (1987) Feature detection from local energy. *Pattern Rec. Letters.* **1** 103-113.

25. Burr, D.C. & Morrone, M.C. (1987) Inhibitory interactions in the human visual system revealed by pattern evoked potentials. *J. Physiol. (Lond.)* **209** 1-21.

26. Morrone, M.C. & Burr, D.C. (1988) Feature detection in human vision: a phase-dependent energy model. *Proc. Roy. Soc.* **B 235** 221-245.

27. Morrone, M.C., Burr, D.C. & Spinelli, D. (1989) Discrimination of spatial phase in central and peripheral vision. *Vision Res.* **29** 433-445.

28. Burr, D.C., Morrone, M.C. & Spinelli, D. (1989) Evidence for the existence of bar and edge detectors in human vision. *Vision Res.* **29** 419-431.

29. Ross, J., Morrone, M.C. & Burr, D.C. (1989) The conditions for the appearance of Mach bands. *Vision Res.* **29** 699-715.

30. Morrone, M.C., Burr, D.C. and Fiorentini, A. (1990) Development of infant contrast sensitivity and acuity to chromatic stimuli *Proc Roy Soc B* **242** 134-139.

31. Burr, D.C. & Morrone, M.C. (1990) Edge detection in biological and artificial visual systems. In *Vision: coding and efficiency* (pp185-194) edited by Colin Blakemore, Cambridge University Press, Cambridge.

32. Burr, D.C. Morrone, M.C. & Fiorentini, A. (1991) Development of infant contrast sensitivity and acuity for coloured patterns. In *Advances in understanding visual processes.* pp 185- 188 (Edited by A. Valberg and B.B. Lee). Plenum Press, Berlin.

33. Fiorentini, A., Burr, D.C. & Morrone, M.C. (1991) Temporal characteristics of colour vision: VEP and psychophysical measurements. In *Advances in understanding visual processing.* pp 139-150 (Edited by A. Valberg and B.B. Lee). Plenum Press, Berlin.

34. Morrone, M.C., Speed, H.D. & Burr, D.C. (1991) Development of inhibitory interactions in kittens. *Visual Neuroscience* **7** 321-334.

35. Speed, H.D., Morrone, M.C. & Burr, D.C. (1991) The effects of monocular deprivation on the development of visual inhibitory interactions in kittens. *Visual Neuroscience* **7** 335- 344.

36. Anderson, S.J., Burr, D.C. & M.C. Morrone (1991) The two-dimensional spatial and spatial frequency properties of motion sensitive mechanisms in human vision. *J. Opt. Soc. Am.* **A 8** 1340-1351.

37. Porciatti, V., Burr, D.C., Fiorentini, A.F. & Morrone, M.C. (1991) Spatio-temporal properties of the pattern ERG and VEP. In *The changing visual system* pp209-217 (Edited by P.Bagnoli & W.Hodos). Plenum Press, New York.

38. Morrone, M.C. & Burr, D.C. (1992) Meccanismi visivi per la percezione di strutture e caratteristiche di immagini. *Sistemi Intelligenti* **4** 7-28.

39. Porciatti, V., Burr, D.C., Morrone, M.C. and Fiorentini, A. (1992) The effects of ageing on the pattern electroretinogram and visual evoked potential in humans. *Vision Res.* 1199- 1209.

40. Burr, D.C., Morrone, M.C. & Fiorentini, A. (1992) Electro-physiological investigation of edge-selective mechanisms of human vision. *Vision Research* **32** 239-247.

41. Burr, D.C. & Morrone, M.C. (1992) A non-linear model of feature detection. In *Non-linear vision.* pp309-328 (Edited by R.B. Pinter and B. Nabet). CRC Press, Inc., .

42. Morrone, M.C. & Burr, D.C. (1993) A model of human feature detection based on matched filters. In *Robots and biological systems: Towards a new Bionics?* pp43-64 (Edited by Dario, P., Sandini, G. & Aebischer, P.). Springer-Verlag, Berlin.

43. Burr, D.C. & Morrone, M.C. (1993) Impulse response functions for chromatic and achromatic stimuli. *J. Opt. Soc. Am. A* **10** 1706-1713.

44. Morrone, M.C., Burr D.C. & Fiorentini, A. (1993) Development of infant contrast sensitivity to chromatic stimuli. *Vision Research,* **17** 2535 - 2552.

45. Burr, D.C. & Morrone, M.C. (1994) Constructing a neural sketch from visual images In *Representation: relationship between language and image* pp 9-25 (Edited by S. Levialdi and C. Bernardelli). Word Scientific, .Singapore.

46. Burr, D.C. & Morrone, M.C. (1994) The role of features in constructing visual images. In *Higer-order processing in the visual system.* Ciba Found Symp. 1994;184:129-41; discussion 141-6, 269-71. (Edited by M.J. Morgan). John Wiley, London.

47. Burr, D.C., Morrone, M.C. & Ross, J. (1994) Selective suppression of the magnocellular visual pathway during saccadic eye movements. *Nature* **371** 511-513.

48. Morrone, M.C., Burr, D.C. & Ross, J. (1994) Illusory brightness step in the Chevreul illusion. *Vision Res.* **34** 1567-1574.

49. Morrone, M.C., Porciatti, V., Fiorentini, A. & Burr, D.C. (1994) Pattern-reversal electroretinigram in response to chromatic stimuli: I Humans *Visual Neuroscience* 861-871.

50. Morrone, M.C., Fiorentini, A., Bisti, S, Porciatti, V. & Burr, D.C (1994) Pattern-reversal electroretinogram in response to chromatic stimuli: II monkey. *Visual Neuroscience* 873-884.

51. Porciatti, V., Morrone, M.C., Fiorentini, A., Burr, D.C. & Bisti, S. (1994) The pattern electroretinogram in response to colour contrast in man and monkey. *Intnl. J. Psychophysiology* 185-189.

52. Spinelli, D.S., Burr, D.C. & Morrone, M.C. (1994) Spatial neglect is associated with increased latencies of visual evoked potentials. *Visual Neuroscience* 909-918.

53. Girard, P. & Morrone, M.C. (1994) Spatial structure of chromatically opponent receptive fields in human visual system *Visual Neuroscience* **12** 103-116.

54. Morrone, M.C., Burr D.C. & Vaina, L. (1995) Two stages of visual processing for radial and circular motion.. Nature **376** 507-509.

55. Morrone, M.C., Navangione, A. & Burr, D. (1995) An adaptive approach to scale selection for line and edge detection. *Pattern Rec. Letters* **16** 667-677.

56. Burr, D.C. & Morrone, M.C. (1996) Temporal impulse response functions for luminance and colour during saccades. *Vision Research* **36** 2069-2078.

57. Fiorentini, A., Porciatti, V. Morrone, M.C. & Burr, D.C. (1996) Visual ageing: unspecific decline of the response to luminance and colour. *Vision Research* **36** 3557-3566.

58. Martini, P., Girard, P., Morrone, M.C. & Burr, D. (1996) Sensitivity to spatial phase at equiluminance *Vision Res.* **36** 1153-1162.

59. Morrone, M.C., Fiorentini, A.F. & Burr, D.C. (1996) Development of the temporal properties of visual evoked potentials to luminance- and colour-contrast in infants. *Vision Research* **36** 3141-3155.

60. Ross, J, Burr, D.C. & Morrone, M.C. (1996) Suppression of the Magnocellular Pathways during Saccades. *Behavioural Brain Research* **80** 1-8.

61. Burr, D.C., Morrone, M.C. & Fiorentini, A. (1996) Spatial and temporal properties of infant colour vision. In *EBBS workshop series: development of infant vision.* pp63-77 (Edited by F. Vital-Durant, J. Atkinson & O. Braddick). OUP, Oxford.

62. Burr, D.C., Morrone, M.C.and Ross, J. (1996) Spatial and temporal contrast sensitivity during saccades: evidence for suppression of the magnocellular visual pathway. In *John Dalton's colour vision legacy.* 147 -154 (Edited by C.M. Dickinson, I. Murray & Carden). Taylor and Francis, London.

63. Morrone, M.C. & Bedarida, L. (1996) A model of cone interaction for coding chromatic information. In *John Dalton's colour vision legacy.* 599-610 (Edited by Dickinson, Murray & Carden.). Taylor and Francis, London..

64. Ross, J., Morrone, M.C. & Burr, D.C. (1997) Compression of visual space before saccades. *Nature* **386** 598-601

65. Morrone M. C. & Burr D. C. (1997) Capture and trasparency in coarse quantized images. *Vision Research* 2609-2629.

66. Morrone M.C., Ross, J. Burr, D.C. (1997) Apparent position of Visual Targets during Real and Simulated Saccadic Eye Movements. *The Journal of Neuroscience* 1**7** (20): 7941-7953.

67. Del Viva, M.M. & Morrone, M.C. (1998) Motion Analysis by feature tracking. *Vision Research.* 38: 3633-3655..

68. Burr, D.C., Morrone, M.C., & Vaina, L. (1998) Large receptive fields for optic flow direction in humans *Vision Research.* 38: 1731-1743.

69. Burr, D. C., A. Fiorentini & Morrone, M. C. (1998). Reaction time to motion onset of luminance and chromatic gratings is determined by perceived speed. *Vision Research* **38**: 3681-3690.

70. Neri, P., M. C. Morrone and D.C. Burr (1998). Seeing Biological motion. *Nature* **394**: 894-896.

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IL DICHIARANTE

Cognome_Morrone Nome Maria Concetta Data di nascita 29/07/1955 Luogo di nascita Sant'Elia a Pianisi Prov CB

DICHIARA

a) di non trovarsi, per quanto gli è dato sapere, in condizione, anche potenziale, di conflitto di interessi con le attività che gli vengono affidate;
b) che, per quanto gli consta, non esistono circostanze o fatti – passati o suscettibili di insorgere nel prossimo futuro – che potrebbero mettere in discussione la sua indipendenza agli occhi di una qualsiasi delle parti;
c) che, qualora, nel corso dell'incarico, emergesse l'esistenza di un simile conflitto di interessi provvederà immediatamente a comunicarlo al responsabile del procedimento.

Ai sensi di quanto previsto dall'art. 46 del DPR 445/2000, consapevole delle conseguenze derivanti in caso di rilascio di dichiarazioni false, dichiara sotto la propria responsabilità che ogni dichiarazione resa corrisponde a verità.
Autorizza inoltre il trattamento dei dati personali contenuti nel presente curriculum in base all'art 13 del D. Lgs 196/2003 e dell'art. 13 del GDPR 679/16.

