

Curriculum Vitae

PERSONAL INFORMATION

Alessandro Arrigo



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Sex Male | Date of birth 26/05/1990 | Nationality Italian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Doctor of Medicine (MD)
PhD

WORK EXPERIENCE

Member of a Neuroscience research group for seven years at the Department of Biomedical Sciences and Morphological and Functional Images, University of Messina, Messina, Italy.

One-month trainee at the Département Neurochirurgie, CHRU Montpellier, France.

Ophthalmologist at IRCCS Scientific Institute San Raffaele Hospital, Milan, Italy since 2020.

Ophthalmologist at Valduce Hospital, Como, Italy since 2020.

EDUCATION AND TRAINING

2023: PhD program in Experimental and Clinical Medicine
(University Vita-Salute San Raffaele, Milan, Italy)

2021: Scientific Qualification for Associate Professor – sector
06/F2 Visual system diseases

Ophthalmologist since 2020 (70L/70) (University Vita-Salute
San Raffaele, Milan, Italy)

Medical Degree in 2015 (110L/110) (University of Messina
Italy)

First (FCE) qualification 2010

High school diploma in 2008 (100/100)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
FCE qualification					

Communication skills

- Very good communication skills in national and international scientific meetings.
- Very good communication skills in frontal lessons, lectures and webinars.

Job-related skills

- Very good in group work.
- Very good in the conduction of clinical trials as co-investigator.
- Very good in planning and drafting scientific research projects and grants.
- Residents' coordinator for two years.

- Computer skills
- Expert in the use of Microsoft Office™ tools, Imaging post-processing software, Photoshop, SPSS.
 - Good in the use of MATLAB and programming languages.
- Other skills
- Competitive sports level in: off-road motorbike, tennis.
 - Enthusiast of skiing, reading, golf, photography, movies.
 - Tutor at the Residency Program in Ophthalmology (University Vita-Salute San Raffaele, Milan, Italy)
 - Active Tutor at the Medical School Program (University Vita-Salute San Raffaele, Milan, Italy)
 - Active Lecturer at the Medical School Program (University Vita-Salute San Raffaele, Milan, Italy)
 - Correlator at the Medical School Program (University Vita-Salute San Raffaele, Milan, Italy)
 - Social media manager of official pages of the Italian society of Ophthalmology (S.I.S.O. ETS Giovani).
- Driving licence
- A3
 - B

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References

Author of the following scientific works:

1. Milardi D, Bramanti P, Milazzo C, Finocchio G, Arrigo A, Santoro G, Trimarchi F, Quartarone A, Anastasi G, Gaeta M. Cortical and subcortical connections of the human claustrum revealed in vivo by constrained spherical deconvolution tractography. *Cereb Cortex*. 2015;25(2):406-14. IF:6.308
2. Milazzo C, Anastasi G, Arrigo A, Milardi D. A multimodal approach to trace motor cortical-peripheral pathways based on mixed transcranial magnetic stimulation and diffusion tensor imaging technique. *Advances in Biomedical Engineering Vol. 14*. Vol. 14 482 -487 Newark, Delaware Information Engineering Research Institute (IERI) ISBN: 9781612750392.
3. Milardi D, Gaeta M, Marino S, Arrigo A, Vaccarino G, Mormina E, Rizzo G, Milazzo C, Finocchio G, Baglieri A, Anastasi G, Quartarone A. Basal ganglia network by constrained spherical deconvolution: a possible cortico-pallidal pathway? *Mov Disord*. 2015;30(3):342-9. IF:7.072
4. Mormina E, Arrigo A, Calamuneri A, Granata F, Quartarone A, Ghilardi MF, Inglese M, Di Rocco A, Milardi D, Anastasi GP, Gaeta M. Diffusion tensor imaging parameters' changes of cerebellar hemispheres in Parkinson's disease. *Neuroradiology*. 2015;57(3):327-34. IF:2.346
5. Arrigo A, Mormina E, Anastasi GP, Gaeta M, Calamuneri A, Quartarone A, De Salvo S, Bruschetta D, Rizzo G, Trimarchi F, Milardi D. Constrained spherical deconvolution analysis of the limbic network in human, with emphasis on a direct cerebello-limbic pathway. *Front Hum Neurosci*. 2014;8:987. IF:2.871
6. Mormina E, Briguglio M, Morabito R, Arrigo A, Marino S, Di Rosa G, Micalizzi A, Valente EM, Salpietro V, Vinci SL, Longo M, Granata F. A rare case of cerebellar agenesis: a probabilistic Constrained Spherical Deconvolution tractographic study. *Brain Imaging Behav*. 2016;10(1):158-67. IF:3.418
7. Mormina E, Longo M, Arrigo A, Alafaci C, Tomasello F, Calamuneri A, Marino S, Gaeta M, Vinci SL, Granata F. MRI Tractography of Corticospinal Tract and Arcuate Fasciculus in High-Grade Gliomas Performed by Constrained Spherical Deconvolution: Qualitative and Quantitative Analysis. *AJNR Am J Neuroradiol*. 2015;36(10):1853-8. IF:3.653
8. Arrigo A, Mormina E and Calamuneri A. The Pre-Surgical Planning of Brain Neoplasms: From Diffusion Tensor Imaging to More Advanced Approaches. *Open Journal of Radiology*. 2015.
9. Arrigo A, Mormina E, Calamuneri A, Gaeta M, Granata F, Marino S, Anastasi GP, Milardi D, Quartarone A. Inter-hemispheric Claustral Connections in Human Brain: A Constrained Spherical Deconvolution-Based Study. *Clin Neuroradiol*. 2017;27(3):275-281. IF:2.790
10. Arrigo A, Calamuneri A, Mormina E, Gaeta M, Quartarone A, Marino S, Anastasi GP, Aragona P. New Insights in the Optic Radiations Connectivity in the Human Brain. *Invest Ophthalmol Vis Sci*. 2016;57(1):1-5. IF:3.388
11. Arrigo A, Mormina E and Calamuneri A. MRI Investigation of Optic Radiations in Human Brain: New Findings and Technical Considerations. *Open Journal of Radiology*. 2016. IF:0

12. Milardi D, Arrigo A, Anastasi G, Cacciola A, Marino S, Mormina E, Calamuneri A, Bruschetta D, Cutroneo G, Trimarchi F, Quartarone A. Extensive Direct Subcortical Cerebellum-Basal Ganglia Connections in Human Brain as Revealed by Constrained Spherical Deconvolution Tractography. *Front Neuroanat.* 2016;10:29. IF:3.152
13. Bruschetta D, Milardi D, Trimarchi F, DI Mauro D, Valenti A, Arrigo A, Valenti B, Santoro G, Cascio F, Vaccarino G, Cacciola A. Muscle contracture diagnosis: the role of sonoelastography. *J Sports Med Phys Fitness.* 2016;56(12):1518-1525. IF:1.120
14. Mormina E, Arrigo A, Calamuneri A, Alafaci C, Tomasello F, Morabito R, Marino S, Longo M, Vinci SL, Granata F. Optic radiations evaluation in patients affected by high-grade gliomas: a side-by-side constrained spherical deconvolution and diffusion tensor imaging study. *Neuroradiology.* 2016;58(11):1067-1075. IF:2.346
15. Arrigo A, Calamuneri A and Mormina E. Diffusion MRI of Human Brain: Key Points and Innovations. *GJMR Volume16 Issue 1.* 2016. IF:0
16. Arrigo A, Mormina E, Calamuneri A, Gaeta M, Marino S, Milardi D, Anastasi GP, Quartarone A. Amygdalar and hippocampal connections with brainstem and spinal cord: A diffusion MRI study in human brain. *Neuroscience.* 2017;343:346-354. IF:3.382
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19. Milardi D, Cacciola A, Calamuneri A, Ghilardi MF, Caminiti F, Cascio F, Andronaco V, Anastasi G, Mormina E, Arrigo A, Bruschetta D, Quartarone A. The Olfactory System Revealed: Non-Invasive Mapping by using Constrained Spherical Deconvolution Tractography in Healthy Humans. *Front Neuroanat.* 2017;11:32. IF:3.152
20. Arrigo A, Gaeta M, Calamuneri A, Mormina E, Marino S, Stagno d'Alcontres F, Longo M, Granata F. Lipofibromatous hamartoma of the median nerve: 3T MRI evaluation by constrained spherical deconvolution analysis. *Neuroradiol J.* 2018;31(4):445-448. IF:0.42
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23. Battaglia Parodi M, Romano F, Cicinelli MV, Rabiolo A, Arrigo A, Pierro L, Iacono P, Bandello F. Retinal Vascular Impairment in Best Vitelliform Macular Dystrophy Assessed by Means of Optical Coherence Tomography Angiography. *Am J Ophthalmol.* 2018;187:61-70. IF:4.795
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37. Battaglia Parodi M, Romano F, Marchese A, Arrigo A, Llorenç V, Cicinelli MV, Bandello F, Adán A. Anti-VEGF treatment for choroidal neovascularization complicating pattern dystrophy-like deposit associated with pseudoxanthoma elasticum. *Graefes Arch Clin Exp Ophthalmol.* 2019;257(2):273-278. IF:2.250
38. Romano F, Arrigo A, Aragona E, Leone PP, Bandello F, Parodi MB. OCT Angiography of Bilateral, Indolent, Nonprogressive, Multifocal Choroidal Lesions. *Ophthalmic Surg Lasers Imaging Retina.* 2019;49(10):802-805. IF:1.511
39. Marchese A, Arrigo A, Bandello F, Parodi MB. Peripheral Linear Streaks in Pseudoxanthoma Elasticum. *Ophthalmic Surg Lasers Imaging Retina.* 2018;49(12):e292-e295. IF:1.511
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43. Pierro L, Arrigo A, Capone L, Aragona E, Marchese A, Iuliano L, Bandello F. Hyperreflective foveal spots in patients with vitreoretinal anomalies: A Qualitative and Quantitative Analysis. *Retina.* 2019. [Epub ahead of print]. IF:3.815
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47. Pierro L, Iuliano L, Marchese A, Arrigo A, Rabiolo A, Bandello F. Reduced vascular perfusion density in idiopathic epiretinal membrane compared to macular pseudohole. *Int Ophthalmol*. 2019;39(12):2749-2755. IF:0.959
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51. Arrigo, A, Grazioli, A, Romano, F, Aragona, E, Bordato, A, di Nunzio, C, Sperti, A, Bandello, F, Battaglia Parodi, M. Choroidal Patterns in Stargardt Disease: Correlations with Visual Acuity and Disease Progression. *J Clin Med*. 2019;8(9). IF:5.688
52. Arrigo, A, Romano, F, Albertini, G, Aragona, E, Bandello, F, Battaglia Parodi, M. Vascular Patterns in Retinitis Pigmentosa on Swept-Source Optical Coherence Tomography Angiography. *J Clin Med*. 2019;8(9). IF:5.688
53. Arrigo A, Calamuneri A, Milardi D, Mormina E, Gaeta M, Corallo F, Lo Buono V, Chillemi G, Marino S, Cacciola A, Di Lorenzo G, Rizzo G, Anastasi GP, Quartarone A. Claustral structural connectivity and cognitive impairment in drug naïve Parkinson's disease. *Brain Imaging Behav*. 2019;13(4):933-944. IF:3.418
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66. Rajabian F, Arrigo A, Jampol LM, Mercuri S, Introini U, Bandello F, Battaglia Parodi M. Optical coherence tomography angiography features of focal choroidal excavation and the choroidal stroma variations with occurrence of excavation. *Retina*. 2020. [Epub ahead of print] IF:3.815
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Total number of citations (updated to March 2023): 2.343

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Author of the following book chapters:

1. Arrigo A, Aragona E. MRI Investigation of the Intracranial Visual System: Standard Approaches and Recent Advances. *Biomedical Imaging, SMGroup*. 2016.
2. Arrigo A, Calamuneri A, Mormina E. Diffusion MRI: From Principles To Modelling And Clinical Applications. *Biomedical Imaging, SMGroup*. 2016.
3. Meduri A, Urso M, Zagari M, Arrigo A, Aragona P. European Perspective of Ocular Trauma Management: Diagnostic and Therapeutic Considerations Based on Our Experience. *Textbook of Ocular Trauma: Evaluation and Treatment*. Chapter 14. ISBN 978-3-319-47631-5

4. Bandello F, Lattanzio R, Zucchiati I, Arrigo A, Battista M, Cicinelli MV. Diabetic Macular Edema: A Step-by-Step Guide for Ophthalmologists. In book: Clinical Strategies in the Management of Diabetic Retinopathy. 2019.
5. Contributing author in: Miserochi E, Modorati G, Bandello F. Atlante delle infiammazioni oculari. Vol. 2: Segmento posteriore. 2019.
6. Bandello F, Battista M, Brambati M, Starace V, Arrigo A, Battaglia Parodi M. Recent developments in Maculopathy. In book: Current Concepts in Ophthalmology. 2020.
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Author of the following published abstracts:

1. Trimarchi F, Milardi D, Arrigo A, Duca A, Vaccarino G. The claustrum and its projection system in the human brain: a tractographic anatomical study. IJAE. Vol 117, No 2 (Supplement) 2012.
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Patents

- Italian Patent Application N. 102023000009819, Title "DEVICE AND METHOD FOR THE CLASSIFICATION OF THE STAGE AND/OR TYPE OF CATARACT", Priority Date 16/05/2023, Applicant: Ospedale San Raffaele S.r.l., Inventors: Arrigo Alessandro, Aragona Emanuela, Perra Cristian.

Other relevant information

Speaker at national and international scientific meetings and participant at national and international scientific meetings with communications and/or posters.

Reviewer for international journals.

Member of the Editorial Board of “Annals of Eye Science”.

Member of the Editorial Board of “Ophthalmology and Therapy”.

Member of the Editorial Board of “Frontiers in Neurology”.

Associate Editor of “Frontiers in Medicine”.

Associate Editor of “European Journal of Ophthalmology”.

Guest Editor of Journal of Ophthalmology with the Special Issue entitled “New Frontiers in Ocular Imaging” 2021.

Winner of the Award “Onore al Merito” for the academic year 2014/2015 of the University of Messina.

Winner of the Research Award 2017 of the Italian Society of Ophthalmology (SOI).

Winner of SOI Research Prize 2019 of the Calabrian Society of Ophthalmology (SOC).

Winner of “Fondazione Paolina Brugnattelli” Research Prize in 2022.

Active scientific collaboration with Prof. Robert E. MacLaren and co-workers (University of Oxford, UK) in the field of retinal dystrophies.

Active scientific collaboration with Electronic Engineering Department of University of Cagliari (Italy) in the field of post-processing imaging elaboration and predictive models’ development.

Scientific projects ongoing in the field of medical retina, multimodal imaging techniques and quantitative analyses.

Scientific projects ongoing in the field of PREMIUM IOLs, IOL power calculation formulas and cataract surgery.

Member of the **Italian Ophthalmology Society (SOI)** from 2015 to 2021.

Member of **The Global Burden of Vision Impairment** since 2020.

Member of **Euretina Society** since 2020.

Honorary Member of **Young Ophthalmologists Retinal Imaging Society (YORIS) Society** since 2021.

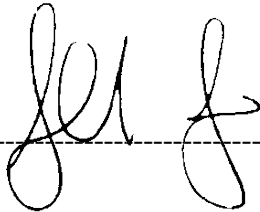
Member of the **Italian Retina Society (SIR)** since 2021.

Member of the **Choroideremia Research Foundation** since 2021.

Member of **ARVO** since 2021.

Member of **Società Italiana di Scienze Oftalmologiche (S.I.S.O.) ETS** since 2022.

Member of the **Expert Group of the European Commission** since 2023.

 Signature