



PERSONAL INFORMATION

Name **Anna Paola Salvetti**

Address

Mobile

E-mail

Medical Registration Number

Nationality Italian

Date of Birth

WORK EXPERIENCE

• Dates September 2017 – Today

• Name and Employee Address Eye Clinic Luigi Sacco Hospital, via G. B. Grassi, 74 20157 Milan (Italy)

• Occupation Professorship in Ophthalmic Genetic , Ophthalmologist, Medical Retina and Ophthalmic Genetic Consultant

• Dates September 2017 - Today

• Name and Employee Address Casa di Cura Beato Palazzolo, via San Bernardino 56, 24122 Bergamo

• Occupation Cataract Surgery, General Ophthalmologist, Medical Retina Consultant

• Dates April 2015 - 31 Agosto 2017

• Name and Address of Employer University of Oxford - NLO, Nuffield Department of Clinical Neurosciences & Oxford Eye Hospital, John Radcliffe Hospital. Oxford OX3 9DU
Supervisor : Prof. Robert MacLaren

• Occupation Academic Research Fellow

• Dates September 2014 – March 2015

• Name and Employee Address “Casa di Cura Beato Palazzolo”, via San Bernardino 56, 24122 Bergamo

• Occupation Ophthalmologist, Medical Retina Consultant, Cataract Surgery

EDUCATION AND TRAINING

Dates	July 2009- 15 July 2014
•Title of qualification awarded	Ophthalmologist
• Name and type of organisation providing education and training	Eye Clinic, Department of Clinical and Biomedical Science “Luigi Sacco”, Sacco of Milan, Milan, Italy. <i>Director: Prof. G. Staurenghi</i>
• Level in national or international classification	<i>70/70 Summa cum Laude</i>
• Dates	September 2012- September 2013
• Name and type of organization providing education	Ospedale San Gerardo, Monza
• Occupation or position held	Internship, Echography Service
• Dats	2002 - 2008
Title of qualification awarded	Doctor in Medicine and Surgery
• Principal subjects/occupational skills covered	School of Medicine; general medical training
Name and type of organisation providing education and training	University of Milan, Italy.

Personal skills and competence

Mother tongue(s) ITALIAN

Other language(s) English, IELTS TEST, overall band score: **7.5 Academic Module** (out of 9), 01 Nov 2014

Technical skills and competences

Experienced in HEK293 cells harvesting and seeding.
Experienced in the use of Fortessa Flow Cytometer.

Experienced in clinical trials conducting as GCP.

Certified as **Good Clinical Practice** by “*The Global Health Network*”, in 9/02/2022 , Oc
the 16th 2019 and August 2015

- **Principal Investigator:** *AURIGA / An observational stUdy pRogram to InvestiGate the effectiveness of intravitreal Aflibercept in diabetic macular edema and/or macular edema secondary to retinal vein occlusion in a real world setting”*
- **Subinvestigator Acucela Clinical Trial** for Stargardt disease
- **Subinvestigator XIRIUS** Gene Therapy trial (X-linked RPGR - RP)
- **Subinvestigator NIGHT** and **REGENERATE** Gene Therapy Trial (choroideremi

Certified as BCVA tester and contrast sensitivity tester:

- EMMES/GSK Visual Acuity Certification (GSK MD7110852 clinical trial)

Certified as OCT Technician by:

- DARC/DOCTR OCT Technician Certification (SAKURA Study-Santen Protocol 007)
- DARC/DOCTR OCT Technician Certification (FOVEA FOV2304 CLIN 201 P)
- Fundus Photograph Reading Center, University of Wisconsin (Allergan Como)

OTHER COMPETENCES

Experience in designing Protocols. I have written and designed a protocol in collaboration with a multidisciplinary team to investigate the potential use of the Smart Glasses in patients affected by low vision: "A prospective trial to assess improvement of binocular visual function and quality of life in low vision patients using a Depth-Based Head-Mounted Visual Display".

SCIENTIFIC PUBLICATIONS

Author and Co-Author of Peer Review Articles:

Francesco Romano, Lucrezia Barbieri, Giovanni Staurenghi, Anna Paola Salvetti. "Hyperreflective Ganglion Cell Layer Band in Choroideremia" **RETINA** DOI:10.1097/IAE.0000000000004003

Romano F , Cozzi M , Casati S , Bosello F , Zaffalon C , Trinco A , Pellegrini M , Invernizzi A , Staurenghi G , Salvetti AP . Unveiling the Hidden: Early Manifestations of Extensive Macular Atrophy with Pseudodrusen-like appearance. (PMID:37910645), *Retinal Cases & Brief Reports*, 2023

Romano F., Lamanna F., Boon C.J., Siligato A., Kalra G., Agarwal A., Medori C., Bertelli M., Pellegrini M., Invernizzi A., Staurenghi G. & Salvetti A.P., Clinical, Genotypic and Imaging Characterization of the spectrum of ABCA4 Retinopathies., **Ophthalmology Retina (2023)**, doi: <https://doi.org/10.1016/j.oret.2023.10.023>.

von Krusenstiern L , Liu J , Liao E , Gow JA , Chen G , Ong T , Lotery AJ , Jalil A , Lam BL , MacLaren RE ,XIRIUS Part 1 Study Group XOLARIS Study Group. *Changes in Retinal Sensitivity Associated With Cotoretigene Toliparvovec in X-Linked Retinitis Pigmentosa With RPGR Gene Variations*. PMID:36757689 PMCID:PMC9912164). **JAMA Ophthalmology, 2023, 141(3):275-283**

Valastro A , Romano F , Salvetti AP , *Macular Neovascularization in Choroideremia*. (PMID:36997407). **Ophthalmology. Retina, 2023, 7(7):604**

Romano F , Boon CJF , Invernizzi A , Bosello F , Casati S , Zaffalon C , Riva E , Bertoni AI , Agarwal A , Kalra G , Cozzi M , Staurenghi G , Salvetti AP . *Correlation between Microperimetry and Imaging in Extensive Macular Atrophy with Pseudodrusen-like appearance (EMAP)*. (PMID:37824814). **Retina (Philadelphia, Pa.), 2023**

Romano, Francesco MD*; Cozzi, Mariano MSc*; Monteduro, Davide MD*; Oldani, Marta MD*; Boon, Camiel J. F. MD, PhD, FEBO†‡; Staurenghi, Giovanni MD, FARVO*; Salvetti, Anna Paola MD. NATURAL COURSE AND CLASSIFICATION OF EXTENSIVE MACULAR ATROPHY WITH PSEUDODRUSEN-LIKE APPEARANCE. **Retina 43(3):p 402-411, March 2023.**

F. Romano, M. Cozzi, A. P. Salvetti, *Multimodal Imaging of Extensive Macular Atrophy with Pseudodrusen-like Appearance* , **Ophthalmology Retina, 2023,https://doi.org/10.1016/j.oret.2023.01.004.**

C. Zaffalon, F. Romano, A. P. Salvetti, *Anterior Segment and Macular OCT in Alport Syndrome*, **Ophthalmology 2023;130:515. doi:**

Romano F , Cozzi E , Boon CJ , Staurengi G , Salvetti AP . *Multimodal Retinal Imaging Reveals New Pathogenic Insights in Central Areolar Choroidal Dystrophy: A Case Series*. **Retinal Cases & Brief Reports**, 2022. (PMID:36731070)

Xin Wei, R. Roy,.... A. Invernizzi, Anna Paola Salvetti, C. Mishra · R. Agrawal . *Optical Coherence Tomography-Based Choroidal Structural Analysis and Vascularity Index in Best Vitelliform Macular Dystrophy* **Ophthalmol Ther.** 2022 Dec;11(6):2141-2152

S. Parrulli, A.P. Salvetti, M. G. Cereda. *Inner Retinal Layers Swelling During Subretinal Voretigene Neparvovec Delivery*. **Ophthalmology Volume 129, Number 7, July 2022**

F. Romano, M. Cozzi, G. Staurengi, A.P. Salvetti, *Multimodal retinal imaging of m.3243A>G associated retinopathy*, **American Journal of Ophthalmology Case Reports**, Volume 26, June 2022

Francesco Testa; Vittoria Murro; Sabrina Signorini; Leonardo Colombo; Giancarlo Iarossi; Francesco Parmeggiani; Benedetto Falsini; Anna Paola Salvetti; Raffaella Brunetti-Pierri; Giorgia Aprile; Chiara Bertone; Agnese Suppiej; Francesco Romano; Marianthi Karali; Simone Donati; Paolo Melillo; Andrea Sodi; Luciano Quaranta; Luca Rossetti; Luca Buzzonetti; Marzio Chizzolini; Stanislao Rizzo; Giovanni Staurengi; Sandro Banfi; Claudio Azzolini; Francesca Simonelli, *RPE65-Associated Retinopathies in the Italian Population: A Longitudinal Natural History Study*. **Invest. Ophthalmol. Vis. Sci.** 2022;63(2):13

Belgio, B.; Salvetti, A.P.; Mantero, S.; Boschetti, F. *The Evolution of Fabrication Methods in Human Retina Regeneration*. **Appl. Sci.** 2021, 11, 4102. <https://doi.org/10.3390/app11094102>

Francesco Romano, MD, Matteo Airaldi, MD, Mariano Cozzi, MSc, Marta Oldani, MD, Ester Riva, MSc, Alice Ingrid Bertoni, BSc, Astrit Dautaj, MD, Matteo Bertelli, MD, Giovanni Staurengi, MD, Anna Paola Salvetti, MD (PDF) *Progression of Atrophy and Visual Outcomes in Extensive Macular Atrophy with Pseudodrusen-like Appearance*. **Ophthalmology Science** 2021 DOI: 10.1016/j.xops.2021.100016

Francesco Romano, Astrit Dautaj, Raffaele Antonio Esposito, Matteo Bertelli, Giovanni Staurengi & Anna Paola Salvetti (2021) *Multimodal imaging of retinitis pigmentosa associated with Mainzer-Saldino syndrome*, **Ophthalmic Genetics**, 2021 Apr;42(2):218-221

Salvetti AP, Nanda A, MacLaren RE. *RPGR-related x-linked retinitis pigmentosa carriers with a severe "male pattern"*. **Ophthalmologica**. 2021;244(1):60-67

Jasmina Cehajic-Kapetanovic, Kanmin Xue, Cristina Martinez-Fernandez de la Camara, Anika Nanda, Alexandra Davies, Laura J. Wood, Anna P. Salvetti, Dominik M. Fischer, James W. Aylward, Alun R. Barnard, Jasleen K. Jolly, Edmond Luo, Brandon J. Lujan, Tuyen Ong, Aniz Girach, Graeme C. M. Black, Ninel Z. Gregori, Janet L. Davis, Potyra R. Rosa, Andrew J. Lotery, Byron L. Lam, Paulo E. Stanga, Robert E. MacLaren. *Initial results from a first-in-human gene therapy trial on X-linked retinitis pigmentosa caused by mutations in RPGR*. **Nat Med** 2020 Mar;26(3):354-359.

Vladimír Frečer; Giancarlo Iarossi; Anna Paola Salvetti; et. al; Matteo Bertelli. *Pathogenicity of new BEST1 variants identified in Italian patients with Best vitelliform macular dystrophy assessed by computational structural biology*. **J**

Transl Med. 2019 Oct 1;17(1):330.

Jolly JK, Gray JM, Salvetti AP, Han RC, MacLaren RE.
A Randomized Crossover Study to Assess the Usability of Two New Vision Tests in Patients with Low Vision. **Optom Vis Sci. 2019 May 2.**

Nanda A, Salvetti AP, Clouston P, Downes SM, MacLaren RE. *Exploring the Variable Phenotypes of RPGR Carrier Females in Assessing their Potential for Retinal Gene Therapy.* **Genes 2018 Dec 18;9(12).**

Xue K, Jolly JK, Barnard AR, Rudenko A, Salvetti AP, Patrício MI, Edwards TL, Groppe M, Orlans HO, Tolmachova T, Black GC, Webster AR, Lotery AJ, Holder GE, Downes SM, Seabra MC, MacLaren RE. *Beneficial effects on vision in patients undergoing retinal gene therapy for choroideremia.* **Nat Med. 2018 Oct;24(10):1507-1512.**

Johannes Birtel, Anna P Salvetti Kanmin Xue, Martin Gliem, Philipp L. Müller, Frank G. Holz, Robert E MacLaren, Peter Charbel Issa. *Near-Infrared Autofluorescence in Choroideremia: anatomical and functional correlations.* **Am J Ophthalmol. 2018 Oct 26;199:19- 27.**

Cristina Martinez-Fernandez De La Camara, Anika Nanda, Anna Paola Salvetti, M. Dominik Fischer & Robert E. MacLaren, *Gene therapy for the treatment of X-linked retinitis pigmentosa,* **Expert Opinion On Orphan Drugs, 2018 Vol. 6, No. 3, 167–177**

Nanda A, Salvetti AP, Martinez-Fernandez de la Camara C, MacLaren RE. *Misdiagnosis of X-linked retinitis pigmentosa in a choroideremia patient with heavily pigmented fundi.* **Ophthalmic Genet. 2018 Jan 29:1-4.**

Salvetti AP, Patrício MI, Barnard AR, Orlans HO, Hickey DG, MacLaren RE. *Impact of Vital Dyes on Cell Viability and Transduction Efficiency of AAV Vectors Used in Retinal Gene Therapy Surgery: An In Vitro and In Vivo Analysis.* **Transl Vis Sci Technol. 2017 Jul 10;6(4):4.**

Xue K, Groppe M, Salvetti AP, MacLaren RE. *Technique of retinal gene therapy: delivery of viral vector into the subretinal space.* **Eye (Lond). 2017 Sep;31(9):1308-1316**

Latasiewicz M, Salvetti AP, MacLaren RE. *A novel mutation in the dominantly inherited TOPORS gene supports haploinsufficiency as the mechanism of retinitis pigmentosa.* **Ophthalmic Genet. 2017 Apr 28:1-5.**

Salvetti AP, Pellegrini M, Bottoni F., Staurenghi G. *Endogenous bacterial endophthalmitis masquerading as an intraocular tumor.* **Saudi J Ophthalmol 2016 Jan-Mar;30(1):71-4.**

Giani A, Luiselli C, Esmaili DD, Salvetti AP, Cigada M, Miller JW, Staurenghi G. *Spectral-Domain optical coherence tomography as an indicator of fluorescein angiography leakage from choroidal neovascularization.* **Invest Ophthalmol Vis Sci. 2011 Jul 29;52(8):5579-86.**

Giani A, Esmaili DD, Luiselli C, Cigada M, Salvetti AP, Miller JW, Staurenghi G. *Displayed reflectivity of chroidal neovascular membranes by optical coherence tomography correlates with presence of leakage by fluorescein angiography.* **Retina. 2011 May;31(5):942-8.**

Giani A., M Cigada, D. Esmaili, AP. Salvetti, S. Lucarelli, E. Marziani, C. Luiselli, P. Sabella, MG Cereda, C. Eandi, G. Staurenghi. *Artifacts in automatic retinal segmentation using different Optical Coherence Tomography Instruments.* **Retina 2010 Apr;30(4):607-16.**

BOOK CHAPTER

Oxford Textbook of Clinical Nephrology 2016; Chapter: "Kidney/Eye

Syndromes". Anna Paola Salvetti, Friederike Mackensen, Vedat Schwenger, and Heiko Billing; Edited by Neil Turner, Norbert Lamiere, and Giuseppe Remuzzi.

SPEAKER AT MEETINGS

Update Retina Meeting , Gene Therapy: the different possibility; Venezia 3-02-2023

Società Italiana Pediatria. Gli studi clinici nelle distrofie retiniche ereditarie. 22-02-2023 Salvetti

Società Oftalmologica Lombarda, Risultati a 1 anno del primo paziente trattato con terapia genica in Lombardia, Milano 16/12/2022

"RETVOLUTION – Il futuro della retina è cominciato", Differential diagnosis of Cone and Macular Dystrophies: How multimodal imaging can help us or mix up our ideas; Milano 04-07-2022

Milano Retina Meeting, moderator : SESSION II - Gene therapies for retinal dystrophies, 24-25 June 2022

Update Retina Meeting , Gene Therapy: the different possibility; Firenze 14-06-2022

Retina in Progress "La terapia genica nella cura dei disturbi retinici ereditari: stato di fatto e prospettive", Milano 15-04-2021

Giornate di chirurgia vitreo-retinica 2020. Panel di discussione, "Terapia genica : un update", Milano 7-11-2020

Retina Italia, "The gene therapy for the RPGR-related X-linked retinitis pigmentosa", Milano 12-10-2019

ATMP Advance Therapy Medical Products forum: "L'applicazione dell'innovazione genica in oftalmologia: unmet need e valore aggiunto nel caso delle degenerazioni retiniche" 30-09-2019

"MILAN DRIVES EUROPE - PEDIATRIC OPHTHALMOLOGY UPDATES", HEREDITARY MACULAR DYSTROPHIES DIAGNOSIS/ OCULAR GENE THERAPY: DEBATE GENETICIST vs CLINICIAN . **ESASO** Milan 21/09/2019

Update in inherited Ocular diseases, *Gene Therapy*, Università statale di Milano 20-06-2019

Retina Italia, "La coroideremia, Quali prospettive", Firenze 18 maggio 2019

Retina in Progress, Milano 2019, "La terapia genica", 10 maggio 2019

XX Congresso Nazionale GIVRE, " Risultati a due anni nella terapia genica della coroideremia", 4-6 aprile 2019

ARVO ITALIA 2019 "La terapia genica nel trattamento delle distrofie corioretiniche", Catania 15/02/2019

CUNEO VITREO-RETINAL MEETING "La terapia genica nella coroideremia e nella retinite pigmentosa X-Linked", Cuneo, 13-14/09/2018

SIR 2018 "La terapia genica nella coroideremia e nella retinite pigmentosa X-Linked", Venezia 22-23/03/2018

RETINAL IMAGING MEETING 2018 "Update to gene therapy", Bolzano 2-2-2018

ESCRS 2017 "GENE THERAPY FOR INHERITED RETINAL DYSTROPHIES"
Main Symposia lecture "Building a new eye", Lisbon 9 Oct 2017

EURETINA 2017 "Impact of vital dyes on cell viability and transduction efficiency of AAV vectors used in retinal gene therapy surgery: an *in vitro* and *in vivo* analysis"

UKEGG Meeting, LEEDS "Gene Therapy for RPGR related XLRP"

SIOG MEETING 2017 "Gene Therapy for RPGR related XLRP"

FERNIE VITREO-RETINAL MEETING 2017

"Impact of vital dyes on viability and transduction efficiency of AAV vectors used in retinal gene therapy. *In vitro* and *in vivo* results".

EURETINA, Copenhagen 2016

"Impact of vital dyes on viability and transduction efficiency of AAV vectors used in retinal gene therapy".

RETINAL IMAGING SYMPOSIUM 2016

"State-of-the art of multimodal imaging for posterior segment disease: Multimodal imaging of macular dystrophies".

INTERNATIONAL SCIENTIFIC SYMPOSIUM-Institute de la Vision, Paris 2016 "Effect of surgical dyes on AAV".

MACULIVE, Roma 2014

Project proposal and submitted: "Randomised Trial evaluating Ranibizumab plus Deferred Laser Versus Pars Plana Vitrectomy with internal limiting membrane peeling in diabetic macular edema unresponsive to previous treatment".

ITALIAN GLAUCOMA MEETING, Milan 2014 "Imaging in Glaucoma".

SOL, Milan 2013

"Endogenous bacterial endophthalmitis masquerading as an intraocular tumor".

TEACHING ACTIVITIES

Le maculopatie ereditarie, Università degli studi di Milano, scuola di specializzazione in Oftalmologia, 02-10-2023

Communication with patients, ESASO Special Program Surgical Retina 10-07-2023

Communication with patients, ESASO Special Program, Glaucoma Course, 6-05-2023

Communication with patients, ESASO Special Program, Glaucoma Course, 15-04-2023

Communication with patients, ESASO Special Program, Glaucoma Course, 25-03-2023

Differential diagnosis of Cone and Macular Dystrophies: How multimodal imaging can help us or mix up our ideas. RETVOLUTION Il futuro della retina è cominciato. 04/07/2022

Advanced Course in Medical Retina, “Le distrofie retiniche ereditarie”,
Milano 20-27 settembre 2021

Corso E.C.M. “Distrofie retiniche” , Milano 16-07-2019

Masterclass Novartis: “Le distrofie retiniche ereditarie” Progetto MASTER
CLASS IN PATOLOGIE RETINICHE - Milano 20-21 maggio 2019

Masterclass Novartis: “Le distrofie retiniche ereditarie” Progetto MASTER
CLASS IN PATOLOGIE RETINICHE - Milano 18-19 febbraio 2019

Masterclass Novartis: “Le distrofie retiniche ereditarie” Progetto MASTER
CLASS IN PATOLOGIE RETINICHE - Milano 09-10 aprile 2018

Masterclass Novartis: “Le distrofie retiniche ereditarie” Progetto MASTER
CLASS IN PATOLOGIE RETINICHE - Milano 09-10 aprile 2018

MICROPERIMETRY SYMPOSIUM, Milan 2013
“The use of the microperimetry in the macular hole surgery”.

Oxford Postgraduate Teaching: Retinal angiomatous proliferation. Diagnosis
and management.

Oxford Postgraduate Teaching: Validation of vital dyes for subretinal injection
of gene therapy.

Corso FAD Alpha-Intes 2015: The diabetic retinopathy: diagnosis,
management and treatment.

Corso FAD Alpha-Intes 2015: Diabetic Macular oedema management.

CONSULTANT ACTIVITIES

Novartis Consultant for the internal teaching about the new gene therapies
products, such as Luxturna

AIFA Consultant (Advanced Medicinal Products) for ophthalmic gene therapies

Member of the scientific Board "ATMP Advanced Therapy Medicinal Products"

:

GRANTS

2014 “Ermenegildo Zegna Founder’s Scholarship” :

Italian scholarship program to enable a small number of promising Italians to
undertake post-graduate studies or research outside Italy. Priority is given to
men and women who have the potential to become leaders in their field and a
genuine interest in returning to Italy and making a positive contribution to Italy
following completion of their sojourn abroad.

European Reference Network

Team leader for the Endorsement and Assessment of the Oxford Eye Hospital
until the final approval as “Health Care Provider”.

AWARDS

Medaglia D’oro XX Congresso Nazionale **GIVRE**: “Miglior presentazione under
45”, 4-6 aprile 2019

FLOREtina 2017, Best Surgical Presentation for the Free Paper “Luigi Barca”
Award. “Subretinal gene therapy withintraoperative OCT guidance”. K. Xue,

A.P. Salvetti, A.R. Barnard, R.E. MacLaren.

EURETINA 2016, Highest scoring free papers published in Ophthalmologica.
Paper presentation: "Impact of vital dyes on viability and transduction efficiency of AAV vectors used in retinal gene therapy".

SOL 2013 Travel Grant. Selection Panel chaired by Carol and Jerry Schields.
Paper presentation: "Endogenous bacterial endophthalmitis masquerading as an intraocular tumor".

ARVO 2011, Foundation for Eye Research/Pauline and Oswald Lapp Travel Grant. Poster presentation: "The effect of anti-VEGF on choroidal neovascularization in AMD: an indocyanine green analysis".

- Scientific committee member of **SIOG**, Società Italiana Oftalmologia Genetica
- Scientific committee member of **Retina Italia Onlus**
- SOI (Società Oftalmologica Italiana)
- SOL (Società Oftalmologica Lombarda)
- EURETINA (European Society of Retina Specialist)
- ARVO (The Association for Research in Vision and Ophthalmology)
- GIVRE (Gruppo Italiano Vitreo-Retina)

I authorized the treatment of my personal data according to the law, decree 679/2016

Milan, 25/01/2024

ANNA PAOLA SALVETTI