

## PERSONAL INFORMATION

## Francesca Simonelli

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Sex F | City and Date of birth Nola 25/04/1959 | Nationality Italian

Persona Identification Code (Codice Fiscale) SMNFNC59D65F924A

JOB APPLIED FOR  
POSITION  
PREFERRED JOB  
STUDIES APPLIED FOR

## Professor of Ophthalmology

## WORK EXPERIENCE

from 2010 up-to-now

## Full professor of Ophthalmology

School of Medicine, University of Campania Luigi Vanvitelli (formerly named Second University of Naples)

- Eye clinic chief, research and clinical activity in the field of ophthalmology

[University / Academic hospital](#)

from 2004 to 2010

## Associate professor of Ophthalmology

School of Medicine, Second University of Naples, Naples, Italy

- Research and clinical activity in the field of ophthalmology

[University / Academic hospital](#)

from 1990 to 2003

## Assistant professor of Ophthalmology

School of Medicine, Second University of Naples, Naples, Italy

- Research and clinical activity in the field of ophthalmology

[University / Academic hospital](#)

## EDUCATION AND TRAINING

From 1984 to 1987

## Postgraduate medical training - residency in Ophthalmology

8\* EQF

School of Medicine, University of Naples, Naples, Italy

- Specialized clinical and surgical activities in the field of ophthalmology

From 1984 to 1987

## Medical Doctor

7\* EQF

School of Medicine, University of Naples, Naples, Italy

- General medical knowledge and training

## PERSONAL SKILLS

Mother tongue(s)

Italian

English, French

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

French	B1	B1	B1	B1
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Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

**Job-related skills**

- good leadership quality (currently responsible of eye clinic)
- training for Good Clinical Practice (last time 1 June 2018)
- Principal Investigator of several clinical studies conducted according to Good Clinical Practice
- Medical Licence: 020192 (Ordine della Provincia di Napoli)

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**ADDITIONAL INFORMATION**
**Principal Recent Publications  
(years 2014-2020)**

- Colella P, Trapani I, Cesi G, Sommella A, Manfredi A, Puppo A, Iodice C, Rossi S, Simonelli F, Giunti M, Bacci ML, Auricchio A. Efficient gene delivery to the cone-enriched pig retina by dual AAV vectors. *Gene Ther.* 2014;21(4):450-6.
- Di Filippo C, Zippo MV, Maisto R, Trotta MC, Siniscalco D, Ferraro B, Ferraraccio F, La Motta C, Sartini S, Cosconati S, Novellino E, Gesualdo C, Simonelli F, Rossi S, D'Amico M. Inhibition of ocular aldose reductase by a new benzofuran derivative ameliorates rat endotoxic uveitis. *Mediators Inflamm.* 2014;2014.
- Donati S, Caprani SM, Airaghi G, Vinciguerra R, Bartalena L, Testa F, Mariotti C, Porta G, Simonelli F, Azzolini C. Vitreous substitutes: The present and the future. *BioMed research international.* 2014;2014.
- Mozzillo E, Delvecchio M, Carella M, Grandone E, Palumbo P, Salina A, Aloisio C, Buono P, Izzo A, D'Annunzio G, Vecchione G, Orrico A, Genesio R, Simonelli F, Franzese A. A novel CISD2 intragenic deletion, optic neuropathy and platelet aggregation defect in Wolfram syndrome type 2. *Bmc Med Genet.* 2014;15(1).
- Testa F, Melillo P, Di Iorio V, Orrico A, Attanasio M, Rossi S, Simonelli F. Macular function and morphologic features in juvenile stargardt disease: Longitudinal study. *Ophthalmology.* 2014;121(12):2399-405.
- Testa F, Rossi S, Colucci R, Gallo B, Di Iorio V, Della Corte M, Azzolini C, Melillo P, Simonelli F. Macular abnormalities in Italian patients with retinitis pigmentosa. *British Journal of Ophthalmology.* 2014;98(7):946-50.
- van Huet RAC, Collin RWJ, Siemiatkowska AM, Klaver CCW, Hoyng CB, Simonelli F, Khan MI, Qamar R, Banin E, Cremers FPM, Theelen T, den Hollander AJ, van den Born LI, Klevering BJ. IMPG2-associated retinitis pigmentosa displays relatively early macular involvement. *Invest Ophthalmol Vis Sci.* 2014;55(6):3939-53.
- Zernant J, Xie YA, Ayuso C, Riveiro-Alvarez R, Lopez-Martinez MA, Simonelli F, Testa F, Gorin MB, Strom SP, Bertelsen M, Rosenberg T, Boone PM, Yuan B, Ayyagari R, Nagy PL, Tsang SH, Gouras P, Collision FT, Lupski JR, Fishman GA, Allikmets R. Analysis of the ABCA4 genomic locus in Stargardt disease. *Hum Mol Genet.* 2014;23(25):6797-806.
- Aboshiha J, Dubis AM, Van Der Spuy J, Nishiguchi KM, Cheeseman EW, Ayuso C, Ehrenberg M, Simonelli F, Bainbridge JW, Michaelides M. Preserved outer retina in AIPL1 Leber's congenital amaurosis: Implications for gene therapy. *Ophthalmology.* 2015;122(4):862-4.
- Bellingham J, Davidson AE, Aboshiha J, Simonelli F, Bainbridge JW, Michaelides M, Van Der Spuy J. Investigation of aberrant splicing induced by AIPL1 variations as a cause of leber congenital amaurosis. *Invest Ophthalmol Vis Sci.* 2015;56(13):7784-93.
- Melillo P, Orrico A, Attanasio M, Rossi S, Pecchia L, Chirico F, Testa F, Simonelli F. A pilot study for development of a novel tool for clinical decision making to identify fallers among ophthalmic patients. *BMC Medical Informatics and Decision Making.* 2015;15(3).
- Olivo G, Melillo P, Cocozza S, D'Alterio FM, Prinster A, Testa F, Brunetti A, Simonelli F, Quarantelli M. Cerebral involvement in stargardt's disease: A VBM and TBSS study. *Invest Ophthalmol Vis Sci.* 2015;56(12):7388-97.
- Rossi S, Di Filippo C, Gesualdo C, Potenza N, Russo A, Trotta MC, Zippo MV, Maisto R, Ferraraccio F, Simonelli F, D'Amico M. Protection from endotoxic uveitis by intravitreal resolin D1: Involvement of lymphocytes, miRNAs, ubiquitin-proteasome, and M1/M2 macrophages. *Mediators Inflamm.* 2015;2015.
- Rossi S, Di Filippo C, Gesualdo C, Testa F, Trotta MC, Maisto R, Ferraro B, Ferraraccio F, Accardo M, Simonelli F, D'Amico M. Interplay between intravitreal RvD1 and local endogenous sirtuin-1 in the protection from endotoxin-induced uveitis in rats. *Mediators Inflamm.* 2015;2015.
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- Rossi S, Orrico A, Santamaria C, Romano V, De Rosa L, Simonelli F, De Rosa G. Standard versus

- trans-epithelial collagen cross-linking in keratoconus patients suitable for standard collagen cross-linking. *Clin Ophthalmol.* 2015;9:503-9.
- Rossi S, Testa F, Santamaria C, Orrico A, Attanasio M, Simonelli F, De Rosa G. Photorefractive keratectomy on purely refractive accommodative esotropia. *Seminars in Ophthalmology.* 2015;30(1):25-8.
- Trapani I, Banfi S, Simonelli F, Surace EM, Auricchio A. Gene therapy of inherited retinal degenerations: Prospects and challenges. *Hum Gene Ther.* 2015;26(4):193-200.
- Trapani I, Toriello E, De Simone S, Colella P, Iodice C, Polishchuk EV, Sommella A, Colecchi L, Rossi S, Simonelli F, Giunti M, Bacci ML, Polishchuk RS, Auricchio A. Improved dual AAV vectors with reduced expression of truncated proteins are safe and effective in the retina of a mouse model of Stargardt disease. *Hum Mol Genet.* 2015;24(23):6811-25.
- Bennett J, Wellman J, Marshall KA, McCague S, Ashtari M, DiStefano-Pappas J, Elci OU, Chung DC, Sun J, Wright JF, Cross DR, Aravand P, Cyckowski LL, Bennicelli JL, Mingozzi F, Auricchio A, Pierce EA, Ruggiero J, Leroy BP, Simonelli F, High KA, Maguire AM. Safety and durability of effect of contralateral-eye administration of AAV2 gene therapy in patients with childhood-onset blindness caused by RPE65 mutations: a follow-on phase 1 trial. *The Lancet.* 2016;388(10045):661-72.
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- Botta S, Marrocco E, de Prisco N, Curion F, Renda M, Sofia M, Lupo M, Carissimo A, Bacci ML, Gesualdo C, Rossi S, Simonelli F, Surace EM. Rhodopsin targeted transcriptional silencing by DNA-binding. *eLife.* 2016;5(MARCH2016).
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- Mozzillo E, Cozzolino C, Genesio R, Melis D, Frisso G, Orrico A, Lombardo B, Fattorusso V, Discepolo V, Della Casa R, Simonelli F, Nitsch L, Salvatore F, Franzese A. Mulibrey nanism: Two novel mutations in a child identified by Array CGH and DNA sequencing. *American Journal of Medical Genetics, Part A.* 2016;170(8):2196-9.
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- Di Iorio V, Karali M, Brunetti-Pierri R, Filippelli M, Di Frusco G, Pizzo M, Mutarelli M, Nigro V, Testa F, Banfi S, Simonelli F. Clinical and genetic evaluation of a cohort of pediatric patients with severe inherited retinal dystrophies. *Genes.* 2017;8(10).
- Donati S, Caprani SM, Semeraro F, Vinciguerra R, Virgili G, Testa F, Simonelli F, Azzolini C. Morphological and Functional Retinal Assessment in Epiretinal Membrane Surgery. *Seminars in Ophthalmology.* 2017;32(6):751-8.
- Esposito G, Testa F, Zacchia M, Crispo AA, Di Iorio V, Capolongo G, Rinaldi L, D'Antonio M, Fioretti T, Iadicicco P, Rossi S, Franzè A, Marciano E, Capasso G, Simonelli F, Salvatore F. Genetic characterization of Italian patients with Bardet-Biedl syndrome and correlation to ocular, renal and audio-vestibular phenotype: Identification of eleven novel pathogenic sequence variants. *Bmc Med Genet.* 2017;18(1).
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- Melillo P, Orrico A, Chirico F, Peccia L, Rossi S, Testa F, Simonelli F. Identifying fallers among ophthalmic patients using classification tree methodology. *PLoS ONE.* 2017;12(3).
- Melillo P, Riccio D, Di Perna L, Sanniti Di Baja G, De Nino M, Rossi S, Testa F, Simonelli F, Frucci M. Wearable Improved Vision System for Color Vision Deficiency Correction. *IEEE Journal of Translational Engineering in Health and Medicine.* 2017;5.
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- Testa F, Melillo P, Bonnet C, Marcelli V, De Benedictis A, Colucci R, Gallo B, Kurtenbach A, Rossi S, Marciano E, Auricchio A, Petit C, Zrenner E, Simonelli F. CLINICAL PRESENTATION and DISEASE COURSE of USHER SYNDROME because of MUTATIONS in MYO7A or USH2A. *Retina.* 2017;37(8):1581-90.
- Alagia M, Cappuccio G, Pinelli M, Torella A, Brunetti-Pierri R, Simonelli F, Limongelli G, Oppido G, Nigro V, Brunetti-Pierri N. A child with Myhre syndrome presenting with corectopia and tetralogy of Fallot. *American Journal of Medical Genetics, Part A.* 2018;176(2):426-30.
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- Kurtenbach A, Hahn G, Kernstock C, Hipp S, Zobor D, Stingl K, Kohl S, Bonnet C, Mohand-Saïd S, Sliesoraityte I, Sahel JA, Audo I, Fakin A, Hawlina M, Testa F, Simonelli F, Petit C, Zrenner E. Usher Syndrome and Color Vision. *Current Eye Research.* 2018;43(10):1295-301.
- Maddalena A, Tornabene P, Tiberi P, Minopoli R, Manfredi A, Mutarelli M, Rossi S, Simonelli F, Naggett JK, Cacchiarelli D, Auricchio A. Triple Vectors Expand AAV Transfer Capacity in the Retina. *Mol Ther.* 2018;26(2):524-41.
- Melillo P, Prinster A, Di Iorio V, Olivo G, D'alterio FM, Cocozza S, Orrico A, Quarantelli M, Testa F, Brunetti A, Simonelli F. Visual cortex activation in patients with stargardt disease. *Invest Ophthalmol Vis Sci.* 2018;59(3):1503-11.
- Napolitano F, Di Iorio V, Testa F, Tirozzi A, Reccia MG, Lombardi L, Farina O, Simonelli F, Gianfrancesco F, Di Iorio G, Melone MAB, Esposito T, Sampaolo S. Autosomal-dominant myopia associated to a novel P4HA2 missense variant and defective collagen hydroxylation. *Clinical Genetics.* 2018;93(5):982-91.
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- Testa F, Melillo P, Rossi S, Marcelli V, de Benedictis A, Colucci R, Gallo B, Brunetti-Pierri R, Donati S, Azzolini C, Marciano E, Simonelli F. Prevalence of macular abnormalities assessed by optical coherence tomography in patients with Usher syndrome. *Ophthalmic Genetics.* 2018;39(1):17-21.
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- Di Iorio V, Orrico A, Esposito G, Melillo P, Rossi S, Sbordone S, Auricchio A, Testa F, Simonelli F. Association between genotype and disease progression in Italian stargardt patients: A retrospective natural history study. Retina. 2019;39(7):1399-409.
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I hereby authorize the use of my personal data in compliance with the Italian law

Naples, 26 July 2021

Prof. Francesca Simonelli