

PERSONAL INFORMATION **Giacomo Calzetti, MD**



Sex M | Date of birth 5 September 1985 | Nationality IT

WORK EXPERIENCE

From July 2020 to now

Researcher

Institute of Molecular and Clinical Ophthalmology Basel, Basel, Switzerland

- Retinal dystrophies, Gene therapy, Optogenetics

From April 2018 to December 2020

Ophthalmologist

**Department of Medicine and Surgery, University of Parma, Parma, Italy
Ophthalmology Unit, University Hospital of Parma, Parma, Italy**

- Medical retina and Inherited Retinal Diseases Service

From February 2017 to March 2018

Clinical Research Fellowship

Center for Hereditary Retinal Degenerations, Scheie Eye Institute, University of Pennsylvania, Philadelphia, USA

- Retinal degenerations

From March 2016 to July 2016

Clinical Research Fellowship

Department of Clinical Pharmacology, Medical University of Vienna, Vienna, Austria

- Ocular blood flow

EDUCATION AND TRAINING

From June 2011 to June 2016

Residency

University of Ferrara, Italy.

- Ophthalmology

From September 2004 to October 2010

Medical School

University of Parma, Italy

GRANTS

2021

- Title of the project: "Genomics of inherited retinal diseases". Principal Investigator: Carlo Rivolta. Co-awardee: Giacomo Calzetti. Funder: Schweizerischer Nationalfonds zur Förderung der Wissenschaftlichen Forschung (SNSF), Switzerland. Amount: CHF 812,000 <https://data.snf.ch/grants/grant/204285>

2020

- Diana Davis Spencer Clinical/Research Fellowship Award Program in Inherited Orphan Retinal Degenerations. Title of the project: "Ocular perfusion in retinal degeneration". Principal Investigator: Giacomo Calzetti. Funder: Foundation Fighting Blindness, USA. Amount: \$ 65,000 <https://www.fightingblindness.org/funded-grants-2020>
- ARVO Travel Grant. Funder: Società Italiana Laser in Oftalmologia. Amount: \$ 1,100

PUBLICATIONS

- Bocquet B, Borday C, Erkilic N, Mamaeva D, Donval A, Masson-Garcia C, Parain K, Kaminska K, Quinodoz M, Perea-Romero I, Garcia-Garcia G, Jimenez-Medina C, Boukhaddaoui H, Coget A, Leboucq N, **Calzetti G**, Gandolfi SA, Percesepe A, Barili V, Uliana V, Delsante M, Bozzetti F, Scholl HP, Corton M, Ayuso C, Millan JM, Rivolta C, Meunier I, Perron M, Kalatzis V. TBC1D32 variants disrupt retinal cilogenesis and cause retinitis pigmentosa. *JCI Insight*. 2023:e169426.
- Sampietro T, Pino BD, Bigazzi F, Sbrana F, Ripoli A, Fontanelli E, Pianelli M, Luciani R, Lepri A, **Calzetti G**. Acute Increase in Ocular Microcirculation Blood Flow Upon Cholesterol Removal. The Eyes Are the Window of the Heart. *Am J Med*. 2023; 136(1): 108-114.
- Swiatczak B, Schaeffel F, **Calzetti G**. Imposed positive defocus changes choroidal blood flow in young human subjects. *Graefes Arch Clin Exp Ophthalmol*. 2023;261(1): 115-125.
- Grosso A, Yannuzzi LA, Tsang SH, Ceruti P, Sarraf D, Zamir E, Kaminska K, Quinodoz M, Amoroso A, Deaglio S, Francis J, Fioretto M, Rivolta C, **Calzetti G**. A Unique Presentation of Bilateral Chorioretinal Atrophy. *Asia-Pacific Journal of Ophthalmology* ():10.1097/APO.0000000000000563, October 28, 2022.
- Bellucci C, Benatti L, Rossi M, Tedesco SA, Carta A, **Calzetti G**, Gandolfi S, Mora P. Cataract progression following lens-sparing pars plana vitrectomy for rhegmatogenous retinal detachment. *Sci Rep*. 2022; 12(1):22064
- **Calzetti G**, Bellucci C, Tedesco SA, Rossi M, Gandolfi S, Mora P. Tilt and decentration of posterior and anterior iris-claw intraocular lenses: a pilot study using anterior segment optical coherence tomography. *BMC Ophthalmol*. 2022;22(1):233.
- Ansar M, Javed S, Baig HMA, Quinodoz M, Ullah M, Han JH, Rahim MU, Kausar H, **Calzetti G**, Rivolta C. A new nonsense mutation in HMX1 in two siblings with oculoauricular syndrome. *Ophthalmic Genet*. 2022;43(5):720-723.
- Zabek O, Lamprakis I, Rickmann A, **Calzetti G**, Gyorgy B, Scholl HPN, Della Volpe Waizel M. Rare occult macular dystrophy with a pathogenic variant in the RP1L1 gene in a patient of Swiss descent. *Am J Ophthalmol Case Rep*. 2022;26:101527.
- Zabek O, **Calzetti G**, Pretot D, Scholl HPN, Della Volpe Waizel M. Full-field sensitivity threshold and the relation to the oxygen metabolic retinal function in retinitis pigmentosa. *Graefes Arch Clin Exp Ophthalmol*. 2022;260(8):2517-2527.
- **Calzetti G**, La Morgia C, Cattaneo M, Carta A, Bosello F, Amore G, Carbonelli M, Cascavilla ML,

- Gandolfi S, Carelli V, Schmetterer L, Scholl HPN, Barboni P. Longitudinal Study of Optic Disk Perfusion and Retinal Structure in Leber's Hereditary Optic Neuropathy. Invest Ophthalmol Vis Sci. 2022;63(1):43.
- Azhar Baig HM, Ansar M, Iqbal A, Naeem MA, Quinodoz M, **Calzetti G**, Iqbal M, Rivolta C. Genetic Analysis of Consanguineous Pakistani Families with Congenital Stationary Night Blindness. Ophthalmic Res. 2022;65(1):104-110.
 - **Calzetti G**, Mursch-Edlmayr AS, Bata AM, Ungaro N, Mora P, Chua J, Schmidl D, Bolz M, Garhofer G, Gandolfi S, Schmetterer L, Wong D. Measuring optic nerve head perfusion to monitor glaucoma: a study on structure-function relationships using laser speckle flowgraphy. Acta Ophthalmol. 2022;100(1):e181-e191.
 - Mora P, Apollonio A, Ariani A, Longhena M, **Calzetti G**, Tedesco SA, Gandolfi S, Angi M. Focal ScieraI Nodule and Scleroderma: report of one case and an observational series. Beyond Rheumatology 2022;4(2):e394.2021
 - **Calzetti G**, Mora P, Borrelli E, Sacconi R, Ricciotti G, Carta A, Gandolfi S, Querques G. Short-term changes in retinal and choroidal relative flow volume after anti-VEGF treatment for neovascular age-related macular degeneration. Sci Rep. 2021;11(1): 23723.
 - Carta A, Favilla S, **Calzetti G**, Casalini MC, Ferrari PF, Bianchi B, Simonelli MB, Farci R, Gandolfi S, Mora P. The epidemiology of Moebius syndrome in Italy. Orphanet J Rare Dis. 2021;16(1): 162.
 - Mora P, Favilla S, **Calzetti G**, Berselli G, Benatti L, Carta A, Gandolfi S, Tedesco SA. Parsplana vitrectomy alone versus parsplana vitrectomy combined with phacoemulsification for the treatment of rhegmatogenous retinal detachment: a randomized study. BMC Ophthalmol. 2021;21(1):196.
 - **Calzetti G**, Mora P, Romani A, Ottonelli G, Pareti A, Gandolfi S, Schmetterer L, Carta A. Optic nerve head and peripapillary perfusion as assessed with laser speckle flowgraphy in non-arteritic anterior ischaemic optic neuropathy. Acta Ophthalmol. 2021;99(3):e445-e446.2020.
 - **Calzetti G**, Mora P, Favilla S, Ottonelli G, Devincenzi G, Carta A, Tedesco S, Mursch-Edlmayr A, Garhofer G, Gandolfi S, Schmetterer L. Assessment of Choroidal Neovascularization Perfusion: A Pilot Study With Laser Speckle Flowgraphy. Transl Vis Sci Technol. 2020;9(5):9.
 - Mora P, Zola M, Favilla S, Tagliavini V, **Calzetti G**, Carta A, Gandolfi S, Guex- Crosier Y. Visual outcome and poor prognostic factors in acute retinal necrosis syndrome. Graefes Arch Clin Exp Ophthalmol. 2020;258(9):1851-1856.
 - Mora P, **Calzetti G**, Avellis FO, Tedesco SA, Carta A, Gandolfi S, Zografos L. A case of morgagnian cataract mimicking an iris tumor. Am J Ophthalmol Case Rep. 2020; 18:100685.
 - Mursch-Edlmayr AS, Pickl L, **Calzetti G**, Waser K, Wendelstein J, Beka S, Aranha Dos Santos V, Luft N, Schmetterer L, Bolz M. Comparison of Neurovascular Coupling between Normal Tension Glaucoma Patients and Healthy Individuals with Laser Speckle Flowgraphy. Curr Eye Res. 2020;45(11):1438-1442.
 - **Calzetti G**, Levy RA, Cideciyan AV, Garafalo AV, Roman AJ, Sumaroka A, Charng J, Heon E, Jacobson SG. Efficacy Outcome Measures for Clinical Trials of USH2A Caused by the Common c.2299delG Mutation. Am J Ophthalmol. 2018;193:114- 129.
 - Garafalo AV, **Calzetti G**, Cideciyan AV, Roman AJ, Saxena S, Sumaroka A, Choi W, Wright AF, Jacobson SG. Cone Vision Changes in the Enhanced S-Cone Syndrome Caused by NR2E3 Gene Mutations. Invest Ophthalmol Vis Sci. 2018;59(8):3209-3219.
 - **Calzetti G**, Fondi K, Bata AM, Luft N, Wozniak PA, Witkowska KJ, Bolz M, Popa-Cherecheanu A, Werkmeister RM, Schmidl D, Garhofer G, Schmetterer L. Assessment of choroidal blood flow using laser speckle flowgraphy. Br J Ophthalmol. 2018;102(12):1679-1683.
 - Mora P, **Calzetti G**, Favilla S, Forlini M, Tedesco S, Date P, Tagliavini V, Carta A, Frisina R, Pedrotti E, Gandolfi S. Comparative Analysis of the Safety and Functional Outcomes of Anterior versus Retropupillary Iris-Claw IOL Fixation. J Ophthalmol. 2018;2018:8463569.
 - Carta A, Mora P, Aldigeri R, Gozzi F, Favilla S, Tedesco S, **Calzetti G**, Farci R, Barboni P, Bianchi-Marzoli S, Fossarello M, Gandolfi S, Sadun AA. Optical coherence tomography is a useful tool in the differentiation between true edema and pseudoedema of the optic disc. PLoS One. 2018;13(11):e0208145.
 - Witkowska KJ, Bata AM, **Calzetti G**, Luft N, Fondi K, Wozniak PA, Schmidl D, Bolz M, Popa-Cherecheanu A, Werkmeister RM, Garhofer G, Schmetterer L. Optic nerve head and retinal blood flow regulation during isometric exercise as assessed with laser speckle flowgraphy. PLoS One.

2017;12(9):e0184772.

- Mora P, **Calzetti G**, Ghirardini S, Rubino P, Gandolfi S, Orsoni J. Cogan's syndrome: State of the art of systemic immunosuppressive treatment in adult and pediatric patients. Autoimmun Rev. 2017;16(4):385-390.

OTHER

2023

- Member of the Scientific Advisory Board of Save Sight Now Europe

2022

- National Scientific qualification as Associate Professor in the Italian higher education system, in the call 2021/2023 (Ministerial Decree n. 553/2021 and 589/2021) for the disciplinary field of 06/F2 - Ophthalmology

