

September 29th, 2024

PERSONAL INFORMATION



Name **SURICO, PIER LUIGI, MD, PHD CANDIDATE**

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Nationality **Italian**

Date of Birth **10/08/1994 (MM/DD/YY)**

WORK EXPERIENCE

October 2020- January 2021 **COVID-19 Emergency**

In his capacity of Medical Doctor he worked in **Covid-19 Internal Medicine Department of Ente Ecclesiastico “F.Miulli” Hospital** (Acquaviva delle fonti, Bari, Italy) with more than 300 hospitalized patients. He contributed to treat several challenging cases of complicated Covid-19 Pneumonia in subjects with important comorbidity.

EDUCATION AND TRAINING

- Date March 2024- on going (March 2027 expected graduation)
- Name of Institution La Sapienza University of Rome, Department of Sensory Organs, Ophthalmology, Rome, Italy
- Title of Qualification Awarded **PhD**
He is a PhD Candidate in Innovative Biotechnologies in Sensory Organ Pathologies.
Coordinator: Prof. Dr. Alessandro Lambiase
- Date November 2022- on going (November 2024 expect end date)
- Name of Institution Schepens Eye Research Institute, Massachusetts Eye and Ear Institute, Harvard Medical School, Department of Ophthalmology, Boston (MA), USA
- Title of Qualification Awarded **Post-doctoral Research Fellowship**
He is Post-Doctoral Research Fellow in **Ocular immunology and Cornea, Ophthalmology Department** in both Basic, Translational and Clinical Science
Mentor: **Prof. Dr. Reza Dana**
- Date January 2021- on going (January 2025 expected graduation date)
- Name of Institution Campus Bio-Medico University, Rome, Italy
- Title of Qualification Awarded **Ophthalmology Residency**
He is Resident Doctor in Ophthalmology Department directed by Prof. Marco Coassin.
- Date October 2020- January 2021
- Name of Institution “Aldo Moro” University of Bari, Medicine and Surgery Department, Italy

- Title of Qualification Awarded **Medical License**
He passed the Italian Medical License Exam with the maximum score after three months of rotations in Oncology Department, Urology Department and General Medicine Department. He is actually a member of Ordine dei Medici di Bari, Italy with registration number 16658.
- Date August 2018
- Name of Institution Massachusetts Eye and Ear Institute, Harvard Medical School, Department of Ophthalmology, Boston (MA), USA
- Title of Qualification Awarded **Ophthalmology Observership**
In his capacity of Observer he attended Massachusetts Eye and Ear Institute, Harvard Medical School Department of Ophthalmology, Boston (MA), USA. During this period, he observed Comprehensive Ophthalmology Service with Dr. Katie Luo, Cornea, External Disease and Refractive Surgery Service with Dr. Emma Davies and Emergency Department.
- Date 2013-2019
- Name of Institution Medical School, University Campus Bio-Medico, Rome Italy

Attending with passion his courses, he has a particular interest for Ophthalmology.
- Title of Qualification Awarded **Master's Degree in Medicine and Surgery** (110/110, cum laude) with a dissertation entitled "Ocular Surface Alterations in gastrointestinal inflammatory diseases: a prospective study". Prof. Stefano Bonini was his supervisor.
- Date 2008-2013
- Name of Institution Liceo Classico "Publio Virgilio Marone", Gioia del Colle, Bari, Italy
- Title of Qualification Awarded **High School Diploma in Humanities**

PERSONAL SKILLS

Good Communication skills in English (he obtained B2-First Cambridge Certificate during his college studies) and Italian with familiarity in speaking about the scientific field.

MOTHER TONGUE **ITALIAN**

OTHER LANGUAGES **ENGLISH**

- Reading Ability Excellent
- Writing Ability Excellent
- Oral Expression Excellent

AWARDS

1. **"Rita Levi Montalcini" Scholarship**, 2023, Dompè Foundation (Research Grant in Neuroscience)
2. **"Best Paper Award"**, SITRAC (Italian Society of Corneal Transplantation and Ocular Surface), Rome, February 15-18, 2024

PRESENTATIONS

He has participated in numerous national and international scientific conferences in the field of Ophthalmology.

1. Oral Presentation at **ARVO 2023**, New Orleans, US, April 23-27, title "NK1R Inhibition: a Novel Ocular Pain Management Strategy Following Mechanical Corneal Injury" He has participated in numerous national and international scientific conferences in the field of Ophthalmology and specifically as a speaker at ARVO23, New Orleans, US.
2. Oral presentation, **Italian Society of Corneal Transplantation and Ocular Surface (SITRAC)**, Rome, February 15-18, 2024
3. Oral presentation **American Society of Cataract and Refractive Surgery (ASCRS)**, April 5-8, 2024, "Relationship Between Corneal Nerves and Sensitivity Measured by A New Non-Contact Esthesiometer in Ocular GVHD Patients"
5. Oral presentation, **Italian Society of Ophthalmology (SISO)**, April 18-20, 2024, "Corneal Nerves Alterations in Ocular Surface Diseases"
6. Poster presentation at **ARVO 2024**, Seattle, US, May 5-9, title: "NK1R antagonism suppresses the expression of pain-associated neuronal activity markers following mechanical injury"
7. Poster presentation at **Harvard Alumni, Mass Eye and Ear 2024**, Boston, US, June 2024, title "Novel strategy to manage ocular pain and neuroinflammation following corneal injury".

MENTORING

2023-2024 **URiM Mentorship Program in Ophthalmology, Harvard Medical School**

He served as a Mentor to provide early exposure to Ophthalmology for **under-represented in medicine (URM) premedical students at Harvard College**, offering them opportunities in clinical practice, research, and professional mentorship.

PUBLICATIONS

1. Surico PL, Yavuz Saricay L, Singh RB, Kahale F, Romano F, Dana R. Corneal Sensitivity and Neuropathy in Patients With Ocular Graft-Versus-Host Disease. *Cornea*. 2024 Aug 23. doi: 10.1097/ICO.0000000000003680. Epub ahead of print. PMID: 39177407.
2. Surico PL, Barone V, Singh RB, Coassin M, Blanco T, Dohlman TH, Basu S, Chauhan SK, Dana R, Di Zazzo A. Potential applications of mesenchymal stem cells in ocular surface immune-mediated disorders. *Surv Ophthalmol*. 2024 Aug 1:S0039-6257(24)00083-3. doi: 10.1016/j.survophthal.2024.07.008. Epub ahead of print. PMID: 39097173.

3. Surico PL, Luo ZK. Understanding Ocular Graft-Versus-Host Disease to Facilitate an Integrated Multidisciplinary Approach. *Transplant Cell Ther.* 2024 Jul 8:S2666-6367(24)00493-7. doi: 10.1016/j.jtct.2024.06.031. Epub ahead of print. PMID: 38986740.
4. Surico PL, Lee S, Singh RB, Naderi A, Bhullar S, Blanco T, Chen Y, Dana R. Local administration of myeloid-derived suppressor cells prevents progression of immune-mediated dry eye disease. *Exp Eye Res.* 2024 May;242:109871. doi: 10.1016/j.exer.2024.109871. Epub 2024 Mar 26. PMID: 38527580; PMCID: PMC11055659.
5. Surico PL, Narimatsu A, Forouzanfar K, Singh RB, Shoushtari S, Dana R, Blanco T. Effects of Diabetes Mellitus on Corneal Immune Cell Activation and the Development of Keratopathy. *Cells.* 2024 Mar 18;13(6):532. doi: 10.3390/cells13060532. PMID: 38534376; PMCID: PMC10969384.
6. Surico PL, Kaufman AR, Lin J, Dehghani S, Dana R. Corneal Superficial Plaque Formation After Recombinant Human Nerve Growth Factor Use in a Patient With Neurotrophic Keratopathy and Limbal Stem Cell Deficiency From Mucous Membrane Pemphigoid. *Cornea.* 2023 Nov 27. doi: 10.1097/ICO.0000000000003442. Epub ahead of print. PMID: 38015976.
7. Singh RB, Cho W, Liu C, Naderi A, Surico PL, Kahale F, Dohlman TH, Chauhan SK, Dana R. Immunopathological mechanisms and clinical manifestations of ocular graft-versus-host disease following hematopoietic stem cell transplantation. *Bone Marrow Transplant.* 2024 Aug;59(8):1049-1056. doi: 10.1038/s41409-024-02321-3. Epub 2024 May 31. PMID: 38822141.
8. Narimatsu A, Singh RB, Surico PL, Lee S, Forouzanfar K, Kahale F, Musayeva A, Dohlman TH, Blanco T, Dana R. Assessment of Corneal Graft Outcomes in a Murine Model of Endothelial Keratoplasty. *J Clin Med.* 2024 Aug 24;13(17):5010. doi: 10.3390/jcm13175010. PMID: 39274223; PMCID: PMC11396379.
9. Wang S, Kahale F, Naderi A, Surico PL, Yin J, Dohlman T, Chen Y, Dana R. Therapeutic Effects of Stimulating the Melanocortin Pathway in Regulating Ocular Inflammation and Cell Death. *Biomolecules.* 2024 Jan 31;14(2):169. doi: 10.3390/biom14020169. PMID: 38397406; PMCID: PMC10886905.
10. Alemi H, Dehghani S, Forouzanfar K, Surico PL, Narimatsu A, Musayeva A, Sharifi S, Wang S, Dohlman TH, Yin J, Chen Y, Dana R. Insights into mustard gas keratopathy- characterizing corneal layer-specific changes in mice exposed to nitrogen mustard. *Exp Eye Res.* 2023 Nov;236:109657. doi: 10.1016/j.exer.2023.109657. Epub 2023 Sep 16. PMID: 37722586.
11. Barone V, Scirocco L, Surico PL, Micera A, Cutrupi F, Coassin M, Di Zazzo A. Mast cells and ocular surface: An update review. *Exp Eye Res.* 2024 Aug;245:109982. doi: 10.1016/j.exer.2024.109982. Epub 2024 Jun 26. PMID: 38942134.
12. Parmar UPS, Surico PL, Singh RB, Musa M, Scarabosio A, Surico G, Maniaci A, Lavalle S, D'Esposito F, Longo A, Russo A, Gagliano C, Zeppieri M. Ocular Implications of COVID-19 Infection and Vaccine-Related Adverse Events. *J Pers Med.* 2024 Jul 23;14(8):780. doi: 10.3390/jpm14080780. PMID: 39201972; PMCID: PMC11355216.
13. Scarabosio A, Surico PL, Patanè L, Tambasco D, Kahale F, Zeppieri M, Parodi PC, Coassin M, Di Zazzo A. The Overlooked Floppy Eyelid Syndrome: From Diagnosis to Medical and Surgical Management. *Diagnostics (Basel).* 2024 Aug 21;14(16):1828. doi: 10.3390/diagnostics14161828. PMID: 39202316; PMCID: PMC11353443.
14. Scarabosio A, Surico PL, Singh RB, Tereshenko V, Musa M, D'Esposito F, Russo A, Longo A, Gagliano C, Agosti E, Jhanji E, Zeppieri M. Thyroid Eye Disease: Advancements in Orbital and Ocular Pathology Management. *J Pers Med.* 2024 Jul 22;14(7):776. doi: 10.3390/jpm14070776. PMID: 39064030; PMCID: PMC11278049.
15. Spelta S, Micera A, Gaudenzi D, Niutta M, Surico PL, De Vincentis A, Coassin M, Di Zazzo A. A Functional and Immunologic Point of View on Corneal Endothelial Transplantation: A Systematic Review and Meta-Analysis. *J Clin Med.* 2024 Jun 12;13(12):3431. doi: 10.3390/jcm13123431. PMID: 38929958; PMCID: PMC11204674.
16. Sorrentino FS, Gardini L, Fontana L, Musa M, Gabai A, Maniaci A, Lavalle S, D'Esposito F, Russo A, Longo A, Surico PL, Gagliano C, Zeppieri M. Novel Approaches for Early Detection of Retinal Diseases Using Artificial Intelligence. *J Pers Med.* 2024 Jun 26;14(7):690. doi: 10.3390/jpm14070690. PMID: 39063944; PMCID: PMC11278069.
17. Sorrentino FS, Gardini L, Culiarsi C, Fontana L, Musa M, D'Esposito F, Surico PL, Gagliano C, Zeppieri M. Nano-Based Drug Approaches to Proliferative Vitreoretinopathy Instead of Standard Vitreoretinal Surgery. *Int J Mol Sci.* 2024 Aug 9;25(16):8720. doi: 10.3390/ijms25168720. PMID: 39201407; PMCID: PMC11354910.
18. Di Zazzo A, Micera A, Surico PL, Balzamino BO, Luccarelli V, Antonini M, Coassin M, Bonini S. Ocular Surface Disease as Extraesophageal Gastroesophageal Reflux Disease Manifestation: A Specific Therapeutic Strategy. *Cornea.* 2024 Mar 1;43(3):295-300. doi: 10.1097/ICO.0000000000003329. Epub 2023 Jul 4. PMID: 37404100.

19. Botti G, Contessi Negrini F, Scarabosio A, Surico PL, Botti C. Evaluating the Effectiveness of the High-SMAS Facelift Technique: Objective Clinical Outcomes at 1-year. *Aesthetic Plast Surg*. 2024 Jul 17. doi: 10.1007/s00266-024-04234-4. Epub ahead of print. PMID: 39020030.
20. Mori T, Cutrupi F, Surico PL, Sgrulletta R, Di Zazzo A, Coassin M. HYPERACUTE PSEUDOPHAKIC MACULAR EDEMA VANISHING WITHIN 72 HOURS: A CASE SERIES. *Retin Cases Brief Rep*. 2024 Jan 1;18(1):94-97. doi: 10.1097/ICB.0000000000001324. PMID: 36007251.
21. Di Zazzo A, Coassin M, Surico PL, Bonini S. Age-related ocular surface failure: A narrative review. *Exp Eye Res*. 2022 Jun;219:109035. doi: 10.1016/j.exer.2022.109035. Epub 2022 Mar 17. PMID: 35307396.
22. Zhu J, Inomata T, Di Zazzo A, Kitazawa K, Okumura Y, Coassin M, Surico PL, Fujio K, Yanagawa A, Miura M, Akasaki Y, Fujimoto K, Nagino K, Midorikawa-Inomata A, Hirokawa K, Kuwahara M, Huang T, Shokirova H, Eguchi A, Murakami A. Role of Immune Cell Diversity and Heterogeneity in Corneal Graft Survival: A Systematic Review and Meta-Analysis. *J Clin Med*. 2021 Oct 12;10(20):4667. doi: 10.3390/jcm10204667. PMID: 34682792; PMCID: PMC8537034.
23. Gherardi G, Surico PL, Coassin M, Di Zazzo A, D'Arezzo S, Angeletti S, Fontana C, Petrosillo N. Meningococcal Conjunctivitis in a 54-Year-Old Man: Case Report and Review of the Literature. *Chemotherapy*. 2023;68(4):228-232. doi: 10.1159/000530894. Epub 2023 May 7. PMID: 37231886.
24. Bonini S, Di Zazzo A, Surico PL, Balzamino BO, Luccarelli V, Niuatta M, Coassin M, Micera A. Inflammation and Dry Eye-like Symptoms as Concomitant Manifestations of Laryngo-Pharyngeal Reflux. *Curr Eye Res*. 2023 Aug;48(8):724-730. doi: 10.1080/02713683.2023.2207210. Epub 2023 May 11. PMID: 37092761.
25. Cafiero C, Re A, Micera A, Palmirota R, Monaco D, Romano F, Fabrizio C, Di Francia R, Cacciamani A, Surico PL, D'Amato G, Pisconti S. Pharmacogenomics and Pharmacogenetics: In Silico Prediction of Drug Effects in Treatments for Novel Coronavirus SARS-CoV2 Disease. *Pharmacogenomics Pers Med*. 2020 Oct 13;13:463-484. doi: 10.2147/PGPM.S270069. PMID: 33116761; PMCID: PMC7568633.
26. Cafiero C, Re A, D'Amato G, Surico PL, Surico G, Pirrelli M, Pisconti S. KRAS and BRAF Concomitant Mutations in a Patient with Metastatic Colon Adenocarcinoma: An Interesting Case Report. *Case Rep Oncol*. 2020 Jun 4;13(2):595-600. doi: 10.1159/000507882. PMID: 32595468; PMCID: PMC7315173.
27. Scarabosio A, Surico PL, Tereshenko V, Singh RB, Salati C, Spadea L, Caputo G, Parodi PC, Gagliano C, Winograd JM, Zeppieri M. Whole-eye transplantation: Current challenges and future perspectives. *World J Transplant*. 2024 Jun 18;14(2):95009. doi: 10.5500/wjt.v14.i2.95009. PMID: 38947970; PMCID: PMC11212585.
28. Miotti G, De Marco L, Quaglia D, Grando M, Salati C, Spadea L, Gagliano C, Musa M, Surico PL, Parodi PC, Zeppieri M. Fat or fillers: The dilemma in eyelid surgery. *World J Clin Cases*. 2024 Jun 16;12(17):2951-2965. doi: 10.12998/wjcc.v12.i17.2951. PMID: 38898854; PMCID: PMC11185368.
29. Parmar UPS, Surico PL, Singh RB, Romano F, Salati C, Spadea L, Musa M, Gagliano C, Mori T, Zeppieri M. Artificial Intelligence (AI) for Early Diagnosis of Retinal Diseases. *Medicina (Kaunas)*. 2024 Mar 23;60(4):527. doi: 10.3390/medicina60040527. PMID: 38674173; PMCID: PMC11052176.
30. Surico PL, Scarabosio A, Miotti G, Grando M, Salati C, Parodi PC, Spadea L, Zeppieri M. Unlocking the versatile potential: Adipose-derived mesenchymal stem cells in ocular surface reconstruction and oculoplastics. *World J Stem Cells*. 2024 Feb 26;16(2):89-101. doi:10.4252/wjsc.v16.i2.89. PMID: 38455097; PMCID: PMC10915950.