



Keio University School of Medicine 35 Shinanomachi, Tokyo 160-8582,

Japan

Department of Ophthalmology Phone: +81-3-3353-1211 Fax: +81-3-3915-7755  
Yoko Ogawa, M.D., Ph.D.

## Curriculum Vitae

Feb, 11, 2024

### Yoko Ogawa, M.D., Ph.D.

Dry eye outpatient clinic  
Department of Ophthalmology  
Keio University School of Medicine  
35 Shinanomachi Shinjuku-ku  
Tokyo, 160-8582, Japan  
Tel: 81-3-5363-3952  
Fax: 81-3-5363-3974  
E mail; [yoko@z7.keio.jp](mailto:yoko@z7.keio.jp)

Director: Shinjuku City Eye Clinic  
2 Subnade, 1 Kabuki-cho, Shinjuku-ku  
Tokyo, Japan  
E mail; [yoko@z7.keio.jp](mailto:yoko@z7.keio.jp)

Recent Research Topics: Fibrosis and chronic inflammation of organs are observed in systemic autoimmune disease and graft-versus-host disease after hematopoietic stem cell transplantation. Using a scleroderma mouse, we showed that transplantation of MHC compatible, minor antigen mismatched bone marrow stromal/stem cells (BMSCs) play a role in the pathogenesis of fibrosis. Similar findings were also studied in humans from lacrimal gland or conjunctival samples for diagnostic purpose. In addition, we are investigating whether senescent cells including macrophages and other immune competent cells are involved in chronic ocular graft-versus-host disease as well as other immune-mediated diseases.

Keywords: Dry eye disease, Ocular surface immunology, fibrosis, mesenchymal cells, graft-versus-host disease, Sjogren's syndrome, autoimmune disease.

1980 Graduate from Keio University School of Medicine  
1980-1982 Department of Ophthalmology Keio University School of Medicine  
1982-1993 Tokyo Saiseikai Central Hospital



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Yoko Ogawa, M.D., Ph.D.

1998-2011; Visiting assistant professor; Department of Ophthalmology Keio University School of Medicine

1998-2011; Associate investigator; Institute for Advanced Medical Research, Division of Cellular Signaling, Keio University School of Medicine

2011-2021; Project associate professor; Department of Ophthalmology, Keio University School of Medicine.

2021- at present; Director of Shinjuku City Eye Clinic

2021- at present; Visiting assistant lecturer; Department of Ophthalmology Keio University School of Medicine

#### Award and grant:

1. Japanese Sjogren's syndrome Society Award 2019
2. Japanese Alcon Grantship 2016, 2018, 2019
3. Department of Ophthalmology, Keio University School of Medicine Autumn Seminar Best Paper Award 2017
4. Department of Ophthalmology, Keio University School of Medicine Autumn Seminar Best Paper Award 2016
5. Japanese Women's Medical Association Grant 2014
6. Japanese Medical Association Grantship 2010
7. Japanese Dry Eye Research Award 2010
8. Japanese Women's Medical Association Grant 2009
9. Japanese Dry Eye Research Award 2006
10. Japanese Ophthalmological Conference Academic Poster Award 2001
11. ARVO Kowa travel Grantship Award ARVO 2001, in Fort Lauderdale, USA.
12. Sjogren's syndrome foundation. Ether Baxter Award ARVO 2000 in Fort Lauderdale, USA.
13. Japanese Ophthalmological Conference Academic poster Award 1998

#### Selected Publication

1. Yagi H, Shimizu E, Yagi R, Uchino M, Kamoi M, Asai K, Tsubota K, Negishi K, Ogawa Y\*. Pediatric chronic graft-versus-host disease-related dry eye disease and the diagnostic association of potential clinical findings. *Sci Rep.* 2023 Mar 2;13(1):3575.



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4. Hiratsuka R, Shimizu E, Yamane M, Yazu H, Sato S, Fukui M, Mukai S, Uchino M, Kamoi M, Tatematsu Y, Saijo Y, Negishi K, Tsubota K, Ogawa Y\*. A single institute validation study comparing the international chronic ocular graft-versus-host disease consensus group diagnostic criteria with clinical parameters. *Ocul Surf.* 2022 Apr;24:12-14. doi: 10.1016/j.jtos.2021.12.009.
5. Sato S, Shimizu E, He J, Ogawa M, Asai K, Yazu H, Rusch R, Yamane M, Yang F, Fukuda S, Kawakami Y, Tsubota K, Ogawa Y. Positive Effects of Oral Antibiotic Administration in Murine Chronic Graft-Versus-Host Disease. *Int J Mol Sci.* 2021 Apr;22(7):374.
6. Kitamura N, Yokoyama Y, Taoka H, Nagano U, Hosoda S, Taworntawat T, Nakamura A, Ogawa Y, Tsubota K, Watanabe M. Iron supplementation regulates the progression of high fat diet induced obesity and hepatic steatosis via mitochondrial signaling pathways. *Sci Rep.* 2021 May;11(1):10753.
7. Hayashi S, Shimizu E, Uchino M, Yazu H, Aketa N, Tsubota K, Ogawa Y: The Overlap Syndrome: A Case Report of Chronic Graft-Versus-Host Disease After the Development of a Pseudomembrane. *Cornea.* 2021 Sep;40(9):1188-1192.
8. Ikarashi H, Aketa N, Shimizu E, Takano Y, Kawakita T, Uchino Y, Matsumoto Y, Ogawa J, Tsubota K, Ogawa Y: Two case reports of continued progression of chronic ocular graft-versus-host disease without concurrent systemic comorbidities treated by amniotic membrane transplantation. *BMC Ophthalmol.* 2021 Apr;21(1):164.



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9. Ogawa Y, Kawakami Y, Tsubota K. Cascade of inflammatory, fibrotic processes and stress-induced senescence in chronic GVHD-related dry eye disease. *Int. J. Mol. Sci.* 2021 Jun 6;22(11):6114.
10. Ogawa Y, Takeuchi T, Tsubota K. Autoimmune epithelitis and chronic inflammation in Sjogren's syndrome-related dry eye disease. *Int J Mol Sci.* 2021 Oct 30;22(21):11820.
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Yoko Ogawa, M.D., Ph.D.

mouse model. *eLife* 2016;5:e09394.

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