Laboratory of Visual Physiology
National Institute of Sensory Organs
National Hospital Organization, Tokyo Medical Center

CURRICULUM VITAE

Professor Kaoru Fujinami, MD, PhD

18th JULY 2020

CONTACT INFORMATION

Home address 1: RB 202, 2-15-9 Higashigaoka, Meguroku, Tokyo, 152-0021, Japan
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EDUCATION

2013-2016	PhD (Advanced Placement), Retinal Cell Biology Group, Department of Ophthalmology, Keio University School of Medicine, Tokyo, Japan (Title: Investigation of inherited retinal disease).
1998-2004	Nagoya University, School of Medicine, Japan
1995-1998	Tokai high school, Nagoya, Japan

PROFESSIONAL BACKGROUND

National Institute of Sensory Organs, Tokyo, Japan

Laboratory of Visual Physiology/Ophthalmic Genetics, Division of Vision Research

Position: Laboratory head **2017-present**

- Develop novel therapeutic approaches for inherited retinal disease
- Clarify genotype-phenotype correlations for inherited retinal disease
- Elucidate ancestor of inherited retinal disease
- Develop novel protocols for electrophysiological assessment
- Promote extended protocols for electrophysiological assessment
- Apply artificial intelligence for clinical ophthalmology

Position: Visiting Principal Investigator 2016-2017

- Establish ABCA4 world-wide cohort to investigate the ethnic variability
- Promote data-sharing system for East Asia Inherited Retinal Disease consortium
- Clarify genotype-phenotype correlations for inherited retinal disease

Position: Investigator 2013-2016

- Develop data-sharing system for Japan Eye Genetics consortium (JEGC)
- Establish clinical diagnostic criteria/analysis pipleline for next generation sequencing for JEGC
- Clarify genotype-phenotype correlations for inherited retinal disease

Position: Visiting Researcher 2009-2013

- Characterise macular dystrophy in a Japanese nation-wide cohort.
- Genotype a Japanese cohort with inherited retinal disease
- Clarify genotype-phenotype correlations for inherited retinal disease

University College London, London, UK

Genetics, Institute of Ophthalmology

Position: Honorary Professor **2020-present**

- Establish world-wide cohort of inherited retinal disease to investigate the ethnic variability
- Develop Asian cohorts of inherited retinal disease
- Develop deep-phenotyping assessments of inherited retinal disease
- Develop novel therapeutic approaches for inherited retinal disease

Position: Honorary Research Associate (supervised by Prof Michel Michaelides) **2017-present**

- Develop novel therapeutic approaches for inherited retinal disease
- Clarify genotype-phenotype correlations for inherited retinal disease
- Establish ABCA4 world-wide cohort to investigate the ethnic variability

Position: Research Associate (supervised by Prof Michel Michaelides) 2016-2017

- Establish ABCA4 world-wide cohort in collaboration with ProgStar studies
- Develop data-sharing system under UK-Japan collaboration
- Clarify genotype-phenotype correlations for inherited retinal disease

Position: Research Assistance (supervised by Prof Michel Michaelides, Prof Andrew Webster) 2009-2013

- Phenotype and genotype a cohort with Stargardt disease
- Identify genotype-phenotype association in ABCA4-assocaited retinal disorder
- Investigate longitudinal natural history of ABCA4-assocaited retinal disorder
- Promote therapeutic trials for ABCA4-assocaited retinal disorder
- Validate electrophysiological assessment for the diagnosis/prognosis of Stargardt disease

Moorfields Eye Hospital, London, UK

Inherited Retinal Diseases
Position: Honorary Consultant **2018-present**

- Development of novel therapies for inherited retinal disease
- Phenotype patients with inherited retinal disease

Inherited Retinal Diseases
Position: Honorary Practice Manager (supervised by Prof Michel Michaelides) **2017-present**

- Phenotype patients with inherited retinal disease

Position: Clinical Research Fellow (supervised by Prof Michel Michaelides, Prof Graham Holder, Prof Andrew Webster, Prof Anthony Moore, and Dr Anthony Robson) 2009-2013

- Phenotype patients with inherited retinal disease

National Hospital Organization Tokyo Medical Center, Tokyo, Japan
Ophthalmology/Medical Genetics Center

Position: Honorary Consultant Clinical Geneticist 2020-

- Division head, division of inherited eye disease

Position: Honorary Consultant Ophthalmic Surgeon 2017-

- Division head, division of ophthalmic genetics

Position: Consultant Ophthalmologist 2013-2016

- Faculty, division of vitreoretinal surgery
- Faculty, division of electrophysiology
- Faculty, division of ophthalmic genetics

Position: Resident (supervised by Prof Yozo Miyake and Prof Toru Noda) 2006-2009

- General ophthalmology training
- General training for electrophysiology

Nagoya First Red Cross Hospital, Aichi, Japan
General Medicine
Position: Resident 2004-2006

- General medical training

PERSONAL DETAILS

Date of Birth: 8th October, 1979 (40 years old)
Place of Birth: Michigan, USA
Nationality: Japan

MARITAL STATUS

Married

LICENSE AND CERTIFICATION

2019 Specialist Certificate of Clinical Genetics issued by Japan Society of Human Genetics (registry number; 1715)
2016 Doctor of Philosophy, issued by Keio University School of Medicine
2014 Diploma of Ophthalmology issued by Japanese Ophthalmological Society (reference number; 017133)
2011 General Medical Certification, UK (temporal reference number; 7212651)
2004 Japanese Medical License Registration (registry number; 444194)

MEMBERSHIPS/BOARD

2018 President, East Asia Inherited Retinal Disease Society
2018 Board, Japan Society for Clinical Electrophysiology and Vision
2016- Member, ISER (International Society for Eye Research)
2016- Co-principle Investigator, ProgStar: The International Study of Stargardt Disease
2016- Chair, East Asia Inherited Retinal Disease Consortium
2015- Member, The American Society of Human Genetics (ASHG)
2014- Member, Japanese Society of Human Genetics
2014- Board, Japan Eye Genetics Consortium
2014- Board, Asian/Global Eye Genetics Consortium
2009- Member, ISCEV (International Society for Clinical Electrophysiology of Vision)
2009- Member, JSCEV (Japanese Society for Clinical Electrophysiology of Vision)
2006- Member, ARVO (The Association for Research in Vision and Ophthalmology)
2005- Member, Japanese Ophthalmological Society

JOURNAL BOARD

2020- EYE GENETICS
2018- OPHTHALMIC RESEARCH
2018- Open Access Journal of Ophthalmology

SCIENTIFIC ADVISORY

2019- Janssen Pharmaceuticals (Consultation): Development of gene therapy for inherited retinal disease
2019- NightStar (Consultation): Development of gene therapy for inherited retinal disease
2018- Sanofi Genzyme (Consultation): Development of gene therapy for inherited retinal disease
2018- Novartis AG (Consultation): Development of gene therapy for inherited retinal disease
2018- Acucela Inc., (Consultation): Development of gene therapy and compound therapy for inherited retinal disease

2017- Kubota Pharmaceutical Holdings Co., Ltd, (Consultation): Development of gene therapy and compound therapy for inherited retinal disease
2017- Astellas Pharma Inc, (Consultation): Development of gene therapy for inherited retinal disease

AWARDS

2018 ASHG 2017 reviewer's choice
2017 Japanese Retina and Vitreous Society (JRVS), Best Presentation Award
2016 FOUNDATION FIGHTING BLINDNESS Carrier Development Award
2015 Keio University Ushioda Memorial Award.
2014 Keio University Otsuka Fumon/Fusako Fellowship Award.
2013 National Institute for Health Research, Moorfields Biomedical Research Centre Travel Grant (ARVO annual meeting 2013)
2012 Eberhart Dodt Memorial Award Best Presentation (ISCEV symposium 2012)
2010 ISCEV symposium travel grant 2010
2007 Eberhart Dodt Memorial Award Excellent Presentation (ISCEV symposium 2007)

FUNDS/GRANTS

Project leader
(15 research projects; Total JPY 200,490,846 (=GBP 1,521,077; 1 JPY=0.007549GBP))

2019- Contracted clinical trial phase 0
Title: Extended Calibration of Visual Function Evaluation Tests in Patients With Severe Vision Loss 2.
ClinicalTrials.gov Identifier: NCT03281005
Responsible Party: Astellas Pharma Inc. Adopted JPY 32,233,695 (=GBP 243,332)

2018- National Hospital Organization Network Research Fund
Title: Development of a diagnosis support system in Ophthalmology, utilizing artificial intelligence. (Reference: H30-NHO (Sensory organs)-3 JPY 58,500,000 for application/3 years) (=GBP 441,616).

2018- Contracted clinical trial phase 0
Title: Extended Calibration of Visual Function Evaluation Tests in Patients With Severe Vision Loss.
ClinicalTrials.gov Identifier: NCT03281005
Responsible Party: Astellas Pharma Inc. JPY 43,335,033 (=GBP 327,136)

2017- Contracted clinical trial phase 0
Title: Calibration of Visual Function Evaluation Tests in Patients With Severe Vision Loss.
ClinicalTrials.gov Identifier: NCT03281005
Responsible Party: Astellas Pharma Inc. JPY 13,942,179 (= GBP 105,249)

2017- Grant-in-Aid for Scientists to support international collaborative studies of the Ministry of Education, Culture, Sports, Science and Technology, Japan.
Title: Establishment of an intercontinental cohort database for ABCA4-associated retinal disorder in global eye genetic consortium, including 7 countries from Europe, America, and Asia (grant reference: 16KK01930002; JPY 12,480,000/ 2 years) (= GBP 94,211).

2016- Grant-in-Aid for Young Scientists (A) of the Ministry of Education, Culture, Sports, Science and Technology, Japan.
Title: Establishment of an intercontinental cohort database for ABCA4-associated retinal disorder, aiming for clinical trial of treatment (grant reference: 16H06269; JPY 24,310,000/ 3 years) (=GBP 183,516).

2016 FOUNDATION FIGHTING BLINDNESS ALAN LATIES CAREER DEVELOPMENT PROGRAM, Clinical/Research Fellowship Award in Inherited Orphan Retinal Degenerations (USD 65,000) (=JPY 7,014,150; =GBP 52,961).

2015 Grants for International Activities in Life Sciences and Medicine, Keio University Medical Science Fund.
Title: A collaborative research of genotype-phenotype correlation in a large international cohort with inherited retinal disease: investigation of molecular modeling impact and clinical severity. (JPY

200,000) (=GBP 1,509)

2014 Grants for International Activities in Life Sciences and Medicine, Keio University Medical Science Fund.
Title: Clinical and Genetic Characteristics of Childhood-onset Stargardt Disease. (JPY 200,000) (=GBP 1,509)

2013 Grant-in-Aid for Young Scientists (B) of the Ministry of Education, Culture, Sports, Science and Technology, Japan (Ref: 25861662).
Title: Clinical and molecular genetic investigation of inherited macular disease, aiming for clinical trial of treatment. (JPY 4,300,000/ 2 years)(=GBP 32,460)

2011 Daiwa Anglo-Japanese Foundation, Daiwa foundation small grant (Ref: 8608/9273)
Title: Support for three reciprocal UK-Japan visits by Ophthalmologists to carry out collaborative research into the clarification of genotype-phenotype correlations of retinal dystrophies leading to publications and conference papers. (GBP 3,000) (= JPY 397,151)

2010 Suzuken Memorial Investigative Research Fund
Title: Clinical and molecular genetic investigation of inherited macular disease in preparation for clinical trial (JPY 1, 000,000) (=GBP 7,549).

2010 Mitsukoshi International Research Award
Title: Clinical and molecular genetic investigation of inherited macular disease in preparation for clinical trial. (JPY 600,000) (=GBP 4,529).

2010 Fight for sight, DR HANS AND MRS GERTRUDE HIRSCH AWARDS (Ref: 1969U)
Title: Investigation of the natural history of ABCA4-retinopathy in preparation for treatment trials. (GBP 15,000) (=JPY 1,985,759)

2010 Special Trustees of Moorfield Eye Hospital (Reg: 228064)
Title: Investigation of the natural history of ABCA4-retinopathy in preparation for treatment trials. (GBP 7,500) (=JPY 992,879)

Co-principal investigator
(7 research projects; Total JPY 1,389,832,223 (=GBP 10,492,734))

2020- Japan Agency for Medical Research and Development
Title: Establishment of patients registry for juvenile patients with deaf/blindness. (Board, JPY 42,408,000/ 3 years). (=GBP 320,137)

2017- Butterfield Awards for UK-Japan collaboration in medical research and public health practice
Title: UK-Japan Genomic Research of Inherited Eye Disease (Co-PI: GBP 11,000/ 3 years) (=JPY 1,456,223)

2017- Health Labour Sciences Research Grant, The Ministry of Health Labour and Welfare.
Title: Establishment of comprehensive clinical management for juvenile patients with deaf/blindness. (Co-PI: JPY 18,000,000/ 3 years) (=GBP 135,882)

2016- National Hospital Organization Network Research Fund
Title: Development of novel comprehensive gene screening methodology for the molecular diagnosis of retinitis pigmentosa. (Co-PI, JPY 60,000,000/ 3 years) (=GBP 452,940)

2016- Foundation Fighting Blindness, multi central study
Title: THE PROGRESSION OF ATROPHY SECONDARY TO STARGARDT DISEASE (PROGSTAR) STUDIES (http://progstar.org/) (Co-PI, USD 4,800,000) (=JPY 517,968,000; GBP 3,911,025).

2015 Approved eyeGENE© Stage 2 Research Studies, National Eye Institute, National Institute of Health
Title: Molecular Modeling of Pathogenic Mutations in Nucleotide-binding Domains of ABCA4 Transporter Protein.

2011- Japan Agency for Medical Research and Development
Title: Acquisition, administration, and provision of biological samples and elucidation of pathology in hereditary retinal and choroidal disorders. (Board, JPY 750,000,000/ 9 years)(=GBP 5,661,750)

CLINICAL TRIALS

<Ongoing>

1. Clinical Trial of Gene Therapy for Japanese Patient with Inherited Retinal Dystrophy Caused by Biallelic RPE65 Mutations.
   Phase 3 trial. Novartis Japan
   Approved by Pharmaceuticals and Medical Devices Agency in December 2019.
   Approved by Institutional Review Board in January 2020.
   Role: professional medical supervisor

<In preparation>

1. Development of Therapies for Inherited Retinal Diseases
   In preparation. Astellas Pharm.
   Role: professional medical supervisor

2. Development of Therapies for Inherited Retinal Diseases
   In preparation. Jansen Pharm.
   Role: medical consultant

3. Development of Therapies for Inherited Retinal Diseases
   In preparation. Acucela. Inc
   Role: medical consultant

4. Development of Therapies for Inherited Retinal Diseases
   In preparation. Sanofi Genzyme
   Role: medical consultant

CONFERENCE/COURSE CHAIR

2019 1st Symposium of East Asia Inherited Retinal Disease Society
Hosted by Kaoru Fujinami, Laboratory of Visual Physiology, Division of Vision Research, National Institute of Sensory Organs, National Hospital Organization, Tokyo Medical Center and Se Joon Woo, Seoul national university bundang hospital, South Korea.
Seoul National University Bundang Hospital, Healthcare Innovation Park, Seoul, South Korea,11th October 2019

2018 1st East Asia Inherited Retinal Disease Society seminar and courses
Hosted by Kaoru Fujinami, Laboratory of Visual Physiology, Division of Vision Research, National Institute of Sensory Organs, National Hospital Organization, Tokyo Medical Center
National Institute of Sensory Organs, Tokyo, Japan, 5th-9th November 2018

2014 International Ophthalmic Genetics Meeting 2014 at Tokyo
Hosted by Kaoru Fujinami, Laboratory of Visual Physiology, Division of Vision Research, National Institute of Sensory Organs, National Hospital Organization, Tokyo Medical Center
JP tower, Tokyo, Japan, 1st April 2014

INVITED LECTURES

(Total 60 lectures, including 40 international and 20 domestic lectures)

1. 37th World Ophthalmology Congress 2020
   Electrophysiologic and Other Diagnostic Testing in Neuro-ophthalmology
   Title: Basics and clinical applications of electrophysiologic testing in neuro-ophthalmology
   WOC2020 Virtual®, 26–29 June, Cape town, South Africa, 2020

2. The 123rd Annual Meeting of the Japanese Ophthalmological Society, Tokyo, Japan
   Title: Diseases with night blindness and their managements.
   Education seminar 2. Retinal diseases and electrophysiology
   Title: Diseases with night blindness and their managements.
   Subspecialty Sunday. Recent advancement of Medical Retina

Tokyo International Forum, Web, 27th April – 18th May, Tokyo, Japan, 2020

3. Lion Eye Institute Seminar series 2020
   Title: Clinical and Genetic Characteristics of East Asian Patients with Inherited Retinal Disorders
   Harry Perkins Institute, ground floor Seminar room G24, Perth, Australia, 5th February 2020

4. 1st Symposium of East Asia Inherited Retinal Disease Society.
   Title: Overview of EAIRDs.
   Title: East Asia inherited retinal disease studies: clinical and genetic characteristics of inherited retinal disease in Japanese population.
   Seoul National University Bundang Hospital, Healthcare Innovation Park, Seoul, South Korea,11th October 2019.

5. Seoul National University Bundang Hospital Ophthalmology Conference
   Title: Nationwide and international collaborative studies of inherited retinal diseases: East Asia Inherited Retinal Disease Society
   Seoul National University Bundang Hospital Lecture theatre, Seoul, South Korea,10th October 2019.

6. 57th Annual Symposium of the International Society for Clinical Electrophysiology of Vision (ISCEV)
   Title: East Asia Inherited Retinal Disease Studies; Clinical and Genetic Characteristics of Inherited Retinal Disease in Japanese Population.
   Session-6 East Asia Inherited Retinal Disease Studies (EAIRDs)
   Grand Ambassador Seoul Associated Pullman. 9th October 2019. Seoul, Korea.

7. Japan Retinitis Pigmentosa Society Yamagata Symposium 2019, Yamagata, Japan
   Title: Inherited Retinal Disease: an approach from diagnosis to treatment.
   Terusa Yamagata Aplause, Yamagata, Japan, 22th September, 2019.

8. International Society for Genetic Eye Diseases and Retinoblastoma (ISGEDR) 2019
   Title: Clinical and Genetic Characteristics of East Asian Patients with Inherited Retinal Disorders.
   Justus-Liebig University, Giessen, Germany, 31st August, 2019

9. 80th Saitama Ophthalmology Congress
   Title: Inherited retinal disorder: a comprehensive approach from diagnosis to treatment.
   Prince Hotel Kawagoe, Saitama, Japan, 2nd August, 2019

10. 1st Retinal Hemodynamics Seminar
    Title: Nationwide and international collaborative studies; retinal genomics research in Japan and East Asian countries.
    HOTEL GRANVIA, Kyoto, Japan, 6th July, 2019.

11. 1st UK-Japan retinal hemodynamics symposium,
    Title: Nationwide and international collaborative studies; retinal genetics and vascular disorders.
    Imperial Hotel/National Institute of Sensory Organs, Tokyo Japan, 1st July, 2019.

12. 14th Japan Retinitis Pigmentosa Society Forum, Tokyo, Japan
    Title: Update of treatment for retinitis pigmentosa in the world -a comprehensive approach from diagnosis to treatment-
    KFC Hall, Tokyo, Japan, 30th June 2019

13. JSCEV 67th symposium
    Title: Total cohort survey of JEGC studies
    Title: Miyake's disease and allied disorders
    Title: Treatment for inherited retinal disorders: emerging therapeutic options
    KFC Hall, Tokyo, Japan, 28th -29th June 2019

14. The 123rd Annual Meeting of the Japanese Ophthalmological Society, Tokyo, Japan
    Title: Genetic diagnosis aiming for therapy.
    Tokyo International Forum, 18th April, Tokyo, Japan, 2019

15. Keio University, Department of Ophthalmology, PhD course Spring Seminar 2019
    Title: Nationwide and international network survey of inherited retinal disease: diagnosis, origin identification, and treatment
    Keio University School of Medicine, Tokyo, Japan, 30th March 2019.

16. Genomics Research Conference 2019
    Title: Nationwide Ophthalmic Genetics Researches in Japan
    Moorfields Eye Hospital, London, UK, 28th February 2019.

17. Japanese Society of Hemorheology and Eas Asia Inherited Retinal Disease Society Joint meeting 2019
    Title: Basics and advancement of retinal imaging; molecular and electrophysiological mechanisms of the retina.
    Yokokawa Clinic Lecture Theatre, Osaka, Japan, 28th January 2019.

18. 1st East Asia Inherited Retinal Disease Society Seminar and Courses, Tokyo, Japan
    Title: Laboratory of Visual Physiology, National Institute of Sensory Organs: history and science
    Title: Paediatric Stargardt Disease
    National Institute of Sensory Organs, Tokyo Japan, 5th-9th November, 2018.

19. The 120th Annual Meeting of the Korean Ophthalmology Society, Seoul, Korea.
    Clinical electrophysiology symposium
    Title: Nationwide and International studies of Inherited Retinal Disorders: Japan Eye Genetics Consortium and East Asia Inherited Retinal Disease
    COEX, 2nd, November 2018.

20. The 72nd Annual Congress of Japan Clinical Ophthalmology, Tokyo, Japan
    Mechanism and Diagnosis in Paediatric Hereditary Retinal Disorders
    Title: ABCA4-associated retinal disorder
    Tokyo International Forum, Tokyo Japan, 11th October 2018.

21. Germany-Japan Collaborative Research Congress 2018, Tubingen, Germany
    Title: Autosomal Dominant Occult Macular Dystrophy (Miyake's disease):
    nationwide and international collaborative studies.
    Title: Genetic variability of ABCA4 associated with ethnicity in an international cohort with Stargardt disease: ProgStar and EAStar studies
    Institute of Ophthalmic Research, Tubingen University, Tubingen, Germany, 11th September 2018.

22. France-Japan Collaborative Genomic Research Meeting 2018, Paris, France
    Title: Nationwide and international collaborative studies in Inherited retinal disorder
    Institute de LA VISION, Paris, France, 25th June 2018.

23. Japan Retinitis Pigmentosa Society Tokyo Symposium 2018, Tokyo, Japan
    Title: Inherited Retinal Disease: a general concept from diagnosis to treatment,
    Poppo Machida, 9th June, 2018.

24. 15th Japan Retinitis Pigmentosa Society Osaka Symposium, Osaka, Japan
    Title: Inherited Retinal Disease: an approach from diagnosis to treatment,
    Osaka Citizen Center, 20th May, 2018.

25. 36th World Ophthalmology Congress 2018
    Latest Therapies for Genetic Disorders: Symposia (Retinal Dystrophies, Corneal Dystrophies, Optic Nerve Conditions

Title: Stargardt disease
Fira Gran Via conference center, Barcelona, Spain, 18th June 2018.

26. Research Organization of Information and Systems, National Institute of Genetics forum 2017, Shizuoka, Japan
Front edge and fusion of genomic medicine and bioinformatics
Title: Nationwide and international collaborative studies of inherited retinal disease: an approach from diagnosis to treatment,
Research Organization of Information and Systems, National Institute of Genetics, Shizuoka, Japan, 28th March, 2018.

27. National teaching course 2018, Chongqing, China
Hereditary retinal disease and infectious retinal disease
Title: Nationwide and international collaborative studies of inherited retinal disease: an approach from diagnosis to treatment,
Chongqing library, Chongqing, China, 24th March 2018.

28. Ophthalmic genetics seminar 2018, Henan, China, 6th February 2018.
Title: East Asia Inherited Retinal Disease Consortium
Henan Eye Institute, Henan Provincial People's Hospital, Henan, China, 6th February 2018.

29. The 56th Annual Meeting of Japanese Retina and Vitreous Society (JRVS)
Title: Genetic Characteristics of Occult Macular Dystrophy in East Asia
Tokyo International Forum, Tokyo, Japan, 1st December 2017

30. 12th Japan Retinitis Pigmentosa Society Forum, Osaka, Japan
Title: Inherited Retinal Disease -an approach from diagnosis to treatment-
Senri Life Science Center, Osaka, Japan, 19th November 2017.

31. 6th Japan-Korea Joint Symposium of Clinical Electrophysiology of Vision, Osaka, Japan
Recent Research on Clinical Electrophysiology of Vision in Our Countries.
Title: Nationwide and International Collaborative Studies of Inherited Retinal Disease; East Asia Inherited Retinal Disease Consortium.
Senri Life Science Center, Osaka, Japan, 18th November 2017.

32. The 71st Annual Congress of Japanese Clinical Ophthalmology, Tokyo, Japan
Clinical Science of Macula
Title: Macular function -Electrophysiology in Macular Dystrophy-
Tokyo International Forum, Tokyo, Japan, 13th October 2017

33. The 121st Annual Meeting of the Japanese Ophthalmological Society, Tokyo, Japan
65th Lectures for Ophthalmology Specialist
Title: The importance of nationwide and international collaboration in hereditary orphan diseases.
Tokyo International Forum, Tokyo, Japan, 8th April 2017

34. 32nd APAO Congress, Singapore
ISCEV Symposium: Clinical Electrophysiology of Vision
Title: Electrophysiology in Macular Dystrophy.
Suntec Singapore Convention and Exhibition Centre, Singapore, 3rd March 2017.

35. The 1st University of Manchester-National Institute of Sensory Organs Collaborative Meeting on Ophthalmic Genetics, Manchester, UK
Title: Data sharing of Global Eye Genetics Consortium in inherited retinal disease
Manchester Royal Eye Hospital, Manchester, UK, 30th January 2017.

36. The 1st Chili-Japan Collaborative Conference of Ophthalmic Genetics, Santiago, Chile
Title: Data sharing of Japan/Asia Eye Genetics Consortium in inherited retinal disease

Hospital del Salvador, Universidad de Chile, Santiago, Chile, 24th January 2017.

37. XXII Biennial Meeting of the ISER, the Lunch symposium, Tokyo, Japan
Title: Occult Macular Dystrophy (Miyake's disease); nationwide and international collaborative studies
The Keio Plaza Hotel, Tokyo, Japan, 26th September 2016.

38. The 5th Global Chinese Ophthalmic Conference, Suzhou, China
Title: MIYAKE'S DISEASE: GENTYPE AND PHOTORECEPTOR MICROSTRUCTURAL PHENOTYPE ASSOCIATIONS IN OCCULT MACULAR DYSTROPHY
Suzhou International Expo Center, Suzhou, China, 9th September 2016.

39. The 1st China-Japan Collaborative Conference in Ophthalmic Genetics, Beijing, China
Title: Hereditary Macular Dystrophy: a nationwide/international collaborative study
Peking Union Medical College Hospital, Beijing, China, 7th September 2016.

40. Ophthalmic Genetics Seminar 2016, London, UK
Title: Inherited retinal disease in Japanese population
UCL Institute of Ophthalmology, London, UK, 17th February 2016.

41. 4th Japan-Korea Joint Symposium of Clinical Electrophysiology of Vision, Seoul, South Korea
Title: Japan whole exome project for inherited retinal diseases 2014.
Gangdong Sacred Heart Hospital, Seoul, South Korea, 31st October 2015.

42. Seminar of the Ophthalmic Genetics and Visual Function Branch, National Eye Institute, National Institute of Health, Bethesda, MA, USA.
Title: ABCA4-associated retinal disorder -Translational approach aiming for treatment-.
National Eye Institute, National Institute of Health, Bethesda, MA, USA, 7th October 2015

43. The 9th APVRS Congress (Asia Pacific Vitreo-retina Socoity), Sydney, Australia, 2015
Title: Comprehensive clinical and electrophysiological assessment crucial for targeted genetic screening and molecular genetic diagnosis.
Hilton Sydney, Australia, 1st August 2015

44. Asia-Pacific Academy of Ophthalmology (APAO) congress 2015
ISCEV Symposium: Progress in Electrophysiology of Vision
Title: Stargardt disease with foveal sparing phenotype.
Guangzhou Baiyu International Convention Center, Guangzhou, China, 1st April 2015

45. Asia-ARVO 2015, Tokyo, Japan, 2015
Mechanism of Retinal Degeneration
Title: Stargardt disease with foveal sparing phenotype.
Pacifico Yokohama, Kanagawa, Japan, 18th February 2015

46. Genetics Conference, New York, NY 2014
Title: ABCA4-related retinal disorder -up to date-
Edward Howkins Institute, Columbia University, New York, NY, USA, 29th July 2014

47. The 3rd annual meeting of Japan Perimetric Society, Tokyo, 2014
Title: Macular dystrophy ~Function, Morphology and Pathophysiology~
The Shinagawa grand hall, Tokyo, Japan, 29th June 2014

48. Medical Retina Meeting at Monza, Italy 2013
Title: Genotype-Phenotype Correlation in Inherited Retinal Disease
San Gerardo Hospital, Monza, Italy, 29th October 2013

49. Electrophysiology Course at Pavia, Italy 2013
Title: Genotype-Phenotype Correlation in Macular Dystrophy
San Matteo Hospital, Pavia, Italy, 28th October 2013

50. Ophthalmic Genetics Conference at Ljubljana Slovenia 2013

Title: Phenotype and Genotype of Stargardt Disease -updated-
Ljubljana University Medical Centre, Ljubljana, Slovenia, 25th October 2013

51. Retina updated meeting at Chongqing China 2013
Title: Genotype-phenotype correlations in Inherited Retinal Disease
Southwest Eye Hospital, Third Military Medical University, Chongqing, China, 10th October 2013

52. Japanese Society of Clinical Electrophysiology and Vision (JSCEV) 60th symposium
Title: Inherited Retinal Disease and Molecular Genetics Genotype-Phenotype Correlation
Midland Hall, Nagoya, Japan, 6th October 2012

53. ISCEV symposium at European Association for Vision and Eye Research annual meeting 2011
Title: Progression of Electroretinogram Responses in Stargardt-Fundus Flavimaculatus: A longitudinal study
Creta Maris Convention Center, Hersonissos, Crete, Greece, 8th October 2011

54. Medical Retina Meeting in Collaboration with the Quinze-Vingts Hospital, Paris, France
Title: A Longitudinal Study of the Electroretinogram Responses in Stargardt-Fundus Flavimaculatus
Quinze-Vingts Hospital, Paris, France, 12th May 2010

TEACHING, TRAINING, AND MENTORING

1. Ophthalmology trainee (2009-2014); academic supervisor
2. Ophthalmology trainee (2010-2015); academic supervisor
3. Ophthalmology trainee (2011-2014); academic supervisor
4. Ophthalmology trainee (2011-2013); academic supervisor
5. Ophthalmology trainee (2012-2015); academic supervisor
6. Ophthalmology trainee (2013-2016); academic supervisor
7. PhD student (2017-); primary supervisor
8. PhD student (2018-); primary supervisor
9. PhD student (2018-); co-supervisor
10. MD student (2018-); primary supervisor
11. PhD student (2020-); primary supervisor

PEER-REVIEWED PUBLICATIONS

(*First Author, † corresponding author)

97 peer-reviewed international publications
Total impact factor: 332.44 (Journal of Citation Reports)
28 publications as the first author and 11 publications as the corresponding author.
16 publications as group author.
Research gate RG score: 35.03 (Within top 7.5% of all ResearchGate members)
Google Scholar Citations: 1158 (1034 since 2015), H-index 30 (27 since 2015)

1. **Fujinami K*†**, Oishi A*; Japan Eye Genetics Consortium. Clinical and genetic characteristics of ten Japanese patients with PROM1-associated retinal disorder: a report of the phenotype spectrum and a literature review in the Japanese population. Am J Med Genet C Semin Med Genet. 2020. In press. IF 7.101
2. **Fujinami K*†**, Liu X*; Japan Eye Genetics Consortium. RP2-associated retinal disorder in a Japanese cohort: report of novel variants and a literature review, identifying a genotype-phenotype association. Am J Med Genet C Semin Med Genet. 2020. In press. IF 7.101
3. Liu X,..,**Fujinami K**†, Shiying Li†; for the East Asia Inherited Retinal Disease Society study group. Clinical and genetic characteristics of Stargardt disease in a large Western China cohort: report 1. Am J Med Genet C Semin Med Genet. 2020. In press. IF 7.101
4. Yang L*, Joo K*,…, Woo SJ4†, Sui R†, **Fujinami K*†;** for the East Asia Inherited Retinal Disease Society study group. Spatial Functional Characteristics of East Asian Patients with Occult Macular Dystrophy (Miyake disease); EAOMD Report No.2. Am J Ophthalmol. In press.
5. Fujinami-Yokokawa Y*, **Fujinami K***†, et al. Clinical and Genetic Characteristics of 18 Patients From 13 Japanese Families With CRX-associated Retinal Disorder: Identification of Genotype-phenotype Association. Sci Rep. 2020 Jun 12;10(1):9531. doi: 10.1038/s41598-020-65737-z.
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TEXTBOOK/BOOK CHAPTER

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MAJOR RESEARCH INTERESTS

1. Electrophysiology
2. Ophthalmic Genetics
3. Vitreoretinal Surgery
4. Artificial Intelligence

HOBBIES

Music, travel, and swimming

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