

眼科学講座

○主な研究内容

- 1 網膜変性症の病態及び治療研究
- 2 正常眼圧緑内障の病態に関する研究
- 3 斜視・弱視の手術方法や予後に関する臨床研究
- 4 眼科領域におけるMRスペクトロスコピー法の開発
- 5 眼内循環に及ぼす薬理作用に関する研究

○Pub Med 掲載論文 (2018 年)

1. A fluorometric assay for lysosomal phospholipase A2 activity using fluorescence-labeled truncated oxidized phospholipid.

Abe A, Hiraoka M, Shayman JA, Ohguro H.

Anal Biochem. 2018 May 15;549:164-170. doi: 10.1016/j.ab.2018.03.024. Epub 2018 Mar 30.
PMID: 29605449

2. Visual impairment by multiple vascular embolization with hydroxyapatite particles.

Marumo Y, Hiraoka M, Hashimoto M, Ohguro H.

Orbit. 2018 Jun;37(3):165-170. doi: 10.1080/01676830.2017.1383473. Epub 2017 Oct 12.
Review.
PMID: 29023217

眼科学講座

○主な研究内容

- 1 網膜変性症の病態及び治療研究
- 2 正常眼圧緑内障の病態に関する研究
- 3 斜視・弱視の手術方法や予後に関する臨床研究
- 4 眼科領域におけるMRスペクトロスコピー法の開発
- 5 眼内循環に及ぼす薬理作用に関する研究

○Pub Med 掲載論文 (2017 年)

1. Visual impairment by multiple vascular embolization with hydroxyapatite particles.

Marumo Y, Hiraoka M, Hashimoto M, Ohguro H.

Orbit. 2017 Oct 12:1-6. doi: 10.1080/01676830.2017.1383473. [Epub ahead of print]

PMID: 29023217

2. Acute Bilateral Photoreceptor Degeneration in an Infant After Vaccination Against Measles and Rubella.

Kuniyoshi K, Hatsukawa Y, Kimura S, Fujino T, Ohguro H, Nakai R, Sunami K, Mishima SI, Sato T, Kusaka S, Suzuki Y, Shimomura Y.

JAMA Ophthalmol. 2017 May 1;135(5):478-482. doi: 10.1001/jamaophthalmol.2017.0380.

PMID: 28358967

3. Preferential hydrolysis of truncated oxidized glycerophospholipids by lysosomal phospholipase A2.

Abe A, Hiraoka M, Ohguro H, Tesmer JJ, Shayman JA.

J Lipid Res. 2017 Feb;58(2):339-349. doi: 10.1194/jlr.M070730. Epub 2016 Dec 19.

PMID: 27993948

4. Prolonged Ocular Inflammation in Endotoxin-Induced Uveitis in Lysosomal Phospholipase A2-Deficient Mice.

Sawada K, Hiraoka M, Abe A, Kelly R, Shayman JA, Ohguro H.

Curr Eye Res. 2017 Apr;42(4):611-616. doi: 10.1080/02713683.2016.1214967. Epub 2016 Sep 9.

PMID: 27612621

眼科学講座

○主な研究内容

- 1 網膜変性症の病態及び治療研究
- 2 正常眼圧緑内障の病態に関する研究
- 3 斜視・弱視の手術方法や予後に関する臨床研究
- 4 眼科領域におけるMRスペクトロスコピー法の開発
- 5 眼内循環に及ぼす薬理作用に関する研究

○Pub Med 掲載論文 (2016 年)

1. Prolonged Ocular Inflammation in Endotoxin-Induced Uveitis in Lysosomal Phospholipase A2-Deficient Mice.
Sawada K, Hiraoka M, Abe A, Kelly R, Shayman JA, Ohguro H.
Curr Eye Res. 2016 Sep 9:1-6. [Epub ahead of print]
PMID: 27612621
2. Fluctuation of lysosomal phospholipase A2 in experimental autoimmune uveitis in rats.
Ohkawa E, Hiraoka M, Abe A, Murata M, Ohguro H.
Exp Eye Res. 2016 Aug;149:66-74. doi: 10.1016/j.exer.2016.06.017.
PMID: 27344956
3. Acute Retinal Necrosis Associated with Epstein-Barr Virus in a Patient Undergoing Immunosuppressive Therapy.
Oe C, Hiraoka M, Tanaka S, Ohguro H.
Case Rep Ophthalmol. 2016 Apr 12;7(1):195-201. doi: 10.1159/000445372.
PMID: 27194989 Free PMC Article
4. Effect of Antiglaucoma Medicine on Intraocular Pressure in DBA/2J Mice.
Sawada K, Hiraoka M, Ohguro H.
Ophthalmic Res. 2016;55(4):205-11. doi: 10.1159/000444057.
PMID: 26942413
5. The signal intensity ratio of the optic nerve to ipsilateral frontal white matter is of value in the diagnosis of acute optic neuritis.
Onodera M, Yama N, Hashimoto M, Shonai T, Aratani K, Takashima H, Kamo K, Nagahama H, Ohguro H, Hatakenaka M. Eur Radiol. 2016 Aug;26(8):2640-5. doi: 10.1007/s00330-015-4114-4.
PMID: 26607576
6. Augmentation of Lysosomal Phospholipase A2 Activity in the Anterior Chamber in Glaucoma.
Hiraoka M, Abe A, Inatomi S, Sawada K, Ohguro H.
Curr Eye Res. 2016 May;41(5):683-8. doi: 10.3109/02713683.2015.1056800.
PMID: 26287514

7. Relationships of left ventricular strain and strain rate to wall stress and their afterload dependency.
Murai D, Yamada S, Hayashi T, Okada K, Nishino H, Nakabachi M, Yokoyama S, Abe A, Ichikawa A, Ono K, Kaga S, Iwano H, Mikami T, Tsutsui H.
Heart Vessels. 2016 Oct 12. [Epub ahead of print]
PMID: 27734145
8. Clinicopathological analysis of salivary gland tissue from patients with IgG4-related disease.
Takano K, Nomura K, Abe A, Kamekura R, Yamamoto M, Ichimiya S, Takahashi H, Himi T.
Acta Otolaryngol. 2016 Jul;136(7):717-21. doi: 10.3109/00016489.2016.1154605.
PMID: 27007955
9. Interferon-gamma increased epithelial barrier function via upregulating claudin-7 expression in human submandibular gland duct epithelium.
Abe A, Takano K, Kojima T, Nomura K, Kakuki T, Kaneko Y, Yamamoto M, Takahashi H, Himi T.
J Mol Histol. 2016 Jun;47(3):353-63. doi: 10.1007/s10735-016-9667-2.
PMID: 26956365
10. A chloroplast-localized protein LESION AND LAMINA BENDING affects defence and growth responses in rice.
Tamiru M, Takagi H, Abe A, Yokota T, Kanzaki H, Okamoto H, Saitoh H, Takahashi H, Fujisaki K, Oikawa K, Uemura A, Natsume S, Jikumaru Y, Matsuura H, Umemura K, Terry MJ, Terauchi R.
New Phytol. 2016 Jun;210(4):1282-97. doi: 10.1111/nph.13864.
PMID: 26864209
11. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).
SY, Sun Y, Sun Y, Sun Y, Sundaramoorthy V, Sung J, Suzuki H, Suzuki K, Suzuki N, Suzuki T, Suzuki YJ, Swanson MS, Swanton C, Swärd K, Swarup G, Sweeney ST, Sylvester PW, Szatmari Z, Szegezdi E, Szlosarek PW, Taegtmeyer H, Tafani M, Taillebourg E, Tait SW, Takacs-Vellai K, Takahashi Y, Takáts S, Takemura G, Takigawa N, Talbot NJ, Tamagno E, Tamburini J, Tan CP, Tan L, Tan ML, Tan M, Tan YJ, Tanaka K, Tanaka M, Tang D, Tang D, Tang G, Tanida I, Tanji K, Tannous BA, Tapia JA, Tasset-Cuevas I, Tatar M, Tavassoly I, Tavernarakis N, Taylor A, Taylor GS, Taylor GA, Taylor JP, Taylor MJ, Tchetina EV, Tee AR, Teixeira-Clerc F, Telang S, Tencomnao T, Teng BB, Tripathi DN, Trisciuglio D, Troncoso R, Trougakos IP, Truttmann AC, Tsai
Autophagy. 2016;12(1):1-222. doi: 10.1080/15548627.2015.1100356. No abstract available.
Erratum in: *Autophagy*. 2016;12(2):443. Selliez, Iban [corrected to Seilliez, Iban].
PMID: 26799652
12. CDX2 expression induced by leukocytapheresis might be associated with mucosal healing in ulcerative colitis.
Tsuchiya K, Hayashi R, Fukushima K, Hibiy S, Horita N, Negi M, Itoh E, Akashi T, Eishi Y, Motoya S, Takeuchi Y, Kunisaki R, Fukunaga K, Nakamura S, Yoshimura N, Takazoe M, Iizuka B, Suzuki Y, Nagahori M, Watanabe M.
J Gastroenterol Hepatol. 2016 Nov 11. doi: 10.1111/jgh.13645. [Epub ahead of print]
PMID: 27862316

13. QRFP-Deficient Mice Are Hypophagic, Lean, Hypoactive and Exhibit Increased Anxiety-Like Behavior.
Okamoto K, Yamasaki M, Takao K, Soya S, Iwasaki M, Sasaki K, Magoori K, Sakakibara I, Miyakawa T, Mieda M, Watanabe M, Sakai J, Yanagisawa M, Sakurai T. *PLoS One*. 2016 Nov 11;11(11):e0164716. doi: 10.1371/journal.pone.0164716. PMID: 27835635 Free Article
14. TRPC3 positively regulates reactive oxygen species driving maladaptive cardiac remodeling.
Kitajima N, Numaga-Tomita T, Watanabe M, Kuroda T, Nishimura A, Miyano K, Yasuda S, Kuwahara K, Sato Y, Ide T, Birnbaumer L, Sumimoto H, Mori Y, Nishida M.
Sci Rep. 2016 Nov 11;6:37001. doi: 10.1038/srep37001.
PMID: 27833156 Free PMC Article
15. Usefulness of Endobronchial Ultrasonography With a Guide Sheath and Virtual Bronchoscopic Navigation for Ground-Glass Opacity Lesions.
Ikezawa Y, Shinagawa N, Sukoh N, Morimoto M, Kikuchi H, Watanabe M, Nakano K, Oizumi S, Nishimura M.
Ann Thorac Surg. 2016 Nov 5. pii: S0003-4975(16)31163-8. doi: 10.1016/j.athoracsur.2016.09.001. [Epub ahead of print]
PMID: 27825686
16. Conservatism and variability of gene expression profiles among homeologous transcription factors in *Xenopus laevis*.
Watanabe M, Yasuoka Y, Mawaribuchi S, Kuretani A, Ito M, Kondo M, Ochi H, Ogino H, Fukui A, Taira M, Kinoshita T.
Dev Biol. 2016 Oct 31. pii: S0012-1606(16)30053-7. doi: 10.1016/j.ydbio.2016.09.017. [Epub ahead of print]
PMID: 27810169
17. Adalimumab Monotherapy and a Combination with Azathioprine for Crohn's Disease: A Prospective, Randomized Trial.
Matsumoto T, Motoya S, Watanabe K, Hisamatsu T, Nakase H, Yoshimura N, Ishida T, Kato S, Nakagawa T, Esaki M, Nagahori M, Matsui T, Naito Y, Kanai T, Suzuki Y, Nojima M, Watanabe M, Hibi T; DIAMOND study group. *J Crohns Colitis*. 2016 Nov;10(11):1259-1266.
PMID: 27566367
18. Involvement of Brain-Enriched Guanylate Kinase-Associated Protein (BEGAIN) in Chronic Pain after Peripheral Nerve Injury.
Katano T, Fukuda M, Furue H, Yamazaki M, Abe M, Watanabe M, Nishida K, Yao I, Yamada A, Hata Y, Okumura N, Nakazawa T, Yamamoto T, Sakimura K, Takao T, Ito S.
eNeuro. 2016 Oct 17;3(5). pii: ENEURO.0110-16.2016.
PMID: 27785460 Free PMC Article
19. Modeling of light propagation in the human neck for diagnoses of thyroid cancers by diffuse optical tomography.
Fujii H, Yamada Y, Kobayashi K, Watanabe M, Hoshi Y.
Int J Numer Method Biomed Eng. 2016 Aug 17. doi: 10.1002/cnm.2826. [Epub ahead of print]
PMID: 27531832

20. The novel heart-specific RING finger protein 207 is involved in energy metabolism in cardiomyocytes.
Mizushima W, Takahashi H, Watanabe M, Kinugawa S, Matsushima S, Takada S, Yokota T, Furihata T, Matsumoto J, Tsuda M, Chiba I, Nagashima S, Yanagi S, Matsumoto M, Nakayama KI, Tsutsui H, Hatakeyama S.
J Mol Cell Cardiol. 2016 Sep 25;100:43-53. doi: 10.1016/j.yjmcc.2016.09.013. [Epub ahead of print]
PMID: 27677939
21. Genome evolution in the allotetraploid frog *Xenopus laevis*.
Session AM, Uno Y, Kwon T, Chapman JA, Toyoda A, Takahashi S, Fukui A, Hikosaka A, Suzuki A, Kondo M, van Heeringen SJ, Quigley I, Heinz S, Ogino H, Ochi H, Hellsten U, Lyons JB, Simakov O, Putnam N, Stites J, Kuroki Y, Tanaka T, Michiue T, Watanabe M, Bogdanovic O, Lister R, Georgiou G, Paranjpe SS, van Kruijsbergen I, Shu S, Carlson J, Kinoshita T, Ohta Y, Mawaribuchi S, Jenkins J, Grimwood J, Schmutz J, Mitros T, Mozaffari SV, Suzuki Y, Haramoto Y, Yamamoto TS, Takagi C, Heald R, Miller K, Haudenschild C, Kitzman J, Nakayama T, Izutsu Y, Robert J, Fortriede J, Burns K, Lotay V, Karimi K, Yasuoka Y, Dichmann DS, Flajnik MF, Houston DW, Shendure J, DuPasquier L, Vize PD, Zorn AM, Ito M, Marcotte EM, Wallingford JB, Ito Y, Asashima M, Ueno N, Matsuda Y, Veenstra GJ, Fujiiyama A, Harland RM, Taira M, Rokhsar DS.
Nature. 2016 Oct 19;538(7625):336-343. doi: 10.1038/nature19840.
PMID: 27762356
22. A survey on awareness of genetic counseling for non-invasive prenatal testing: the first year experience in Japan.
Yotsumoto J, Sekizawa A, Suzumori N, Yamada T, Samura O, Nishiyama M, Miura K, Sawai H, Murotsuki J, Kitagawa M, Kamei Y, Masuzaki H, Hirahara F, Endo T, Fukushima A, Namba A, Osada H, Kasai Y, Watanabe A, Katagiri Y, Takeshita N, Ogawa M, Okai T, Izumi S, Hamanoue H, Inuzuka M, Haino K, Hamajima N, Nishizawa H, Okamoto Y, Nakamura H, Kanegawa T, Yoshimatsu J, Tairaku S, Naruse K, Masuyama H, Hyodo M, Kaji T, Maeda K, Matsubara K, Ogawa M, Yoshizato T, Ohba T, Kawano Y, Sago H; Japan NIPT Consortium..
J Hum Genet. 2016 Sep 8. doi: 10.1038/jhg.2016.96. [Epub ahead of print]
PMID: 27604555
23. Locus coeruleus and dopaminergic consolidation of everyday memory.
Takeuchi T, Duszkievicz AJ, Sonneborn A, Spooner PA, Yamasaki M, Watanabe M, Smith CC, Fernández G, Deisseroth K, Greene RW, Morris RG.
Nature. 2016 Sep 7;537(7620):357-362. doi: 10.1038/nature19325. [Epub ahead of print]
PMID: 27602521
24. Latitude and HLA-DRB1*04:05 independently influence disease severity in Japanese multiple sclerosis: a cross-sectional study.
Nakamura Y, Matsushita T, Sato S, Niino M, Fukazawa T, Yoshimura S, Hisahara S, Isobe N, Shimohama S, Watanabe M, Yoshida K, Houzen H, Miyazaki Y, Yamasaki R, Kikuchi S, Kira J; Japan Multiple Sclerosis Genetics Consortium..
J Neuroinflammation. 2016 Sep 6;13(1):239. doi: 10.1186/s12974-016-0695-3.
PMID: 27599848 Free PMC Article

25. Late postnatal shifts of parvalbumin and nitric oxide synthase expression within the GABAergic and glutamatergic phenotypes of inferior colliculus neurons.
Fujimoto H, Konno K, Watanabe M, Jinno S.
J Comp Neurol. 2016 Aug 25. doi: 10.1002/cne.24104. [Epub ahead of print]
PMID: 27560447
26. Antithrombin Supplementation and Mortality in Sepsis-Induced Disseminated Intravascular Coagulation: A Multicenter Retrospective Observational Study.
Hayakawa M, Kudo D, Saito S, Uchino S, Yamakawa K, Iizuka Y, Sanui M, Takimoto K, Mayumi T, Ono K, Azuhata T, Ito F, Yoshihiro S, Hayakawa K, Nakashima T, Ogura T, Noda E, Nakamura Y, Sekine R, Yoshikawa Y, Sekino M, Ueno K, Okuda Y, Watanabe M, Tampo A, Saito N, Kitai Y, Takahashi H, Kobayashi I, Kondo Y, Matsunaga W, Nachi S, Miike T, Takahashi H, Takauji S, Umakoshi K, Todaka T, Kodaira H, Andoh K, Kasai T, Iwashita Y, Arai H, Murata M, Yamane M, Shiga K, Hori N.
Shock. 2016 Dec;46(6):623-631.
PMID: 27548460
27. The Metabotropic Glutamate Receptor Subtype 1 Mediates Experience-Dependent Maintenance of Mature Synaptic Connectivity in the Visual Thalamus.
Narushima M, Uchigashima M, Yagasaki Y, Harada T, Nagumo Y, Uesaka N, Hashimoto K, Aiba A, Watanabe M, Miyata M, Kano M.
Neuron. 2016 Sep 7;91(5):1097-109. doi: 10.1016/j.neuron.2016.07.035.
PMID: 27545713
28. Benefit profile of anticoagulant therapy in sepsis: a nationwide multicentre registry in Japan.
Yamakawa K, Umemura Y, Hayakawa M, Kudo D, Sanui M, Takahashi H, Yoshikawa Y, Hamasaki T, Fujimi S; Japan Septic Disseminated Intravascular Coagulation (J-Septic DIC) study group..
Crit Care. 2016 Jul 29;20(1):229. doi: 10.1186/s13054-016-1415-1.
PMID: 27472991 Free PMC Article
29. Impaired neuronal KCC2 function by biallelic SLC12A5 mutations in migrating focal seizures and severe developmental delay.
Saito H, Watanabe M, Akita T, Ohba C, Sugai K, Ong WP, Shiraishi H, Yuasa S, Matsumoto H, Beng KT, Saitoh S, Miyatake S, Nakashima M, Miyake N, Kato M, Fukuda A, Matsumoto N.
Sci Rep. 2016 Jul 20;6:30072. doi: 10.1038/srep30072.
PMID: 27436767 Free PMC Article
30. Ionic Basis for Membrane Potential Resonance in Neurons of the Inferior Olive.
Matsumoto-Makidono Y, Nakayama H, Yamasaki M, Miyazaki T, Kobayashi K, Watanabe M, Kano M, Sakimura K, Hashimoto K.
Cell Rep. 2016 Jul 26;16(4):994-1004. doi: 10.1016/j.celrep.2016.06.053.
PMID: 27425615
31. The active zone protein CAST regulates synaptic vesicle recycling and quantal size in the mouse hippocampus.
Kobayashi S, Hida Y, Ishizaki H, Inoue E, Tanaka-Okamoto M, Yamasaki M, Miyazaki T, Fukaya M, Kitajima I, Takai Y, Watanabe M, Ohtsuka T, Manabe T.
Eur J Neurosci. 2016 Sep;44(5):2272-84. doi: 10.1111/ejn.13331.
PMID: 27422015

32. Characteristics, treatments, and outcomes of severe sepsis of 3195 ICU-treated adult patients throughout Japan during 2011-2013.
Hayakawa M, Saito S, Uchino S, Yamakawa K, Kudo D, Iizuka Y, Sanui M, Takimoto K, Mayumi T, Azuhata T, Ito F, Yoshihiro S, Hayakawa K, Nakashima T, Ogura T, Noda E, Nakamura Y, Sekine R, Yoshikawa Y, Sekino M, Ueno K, Okuda Y, Watanabe M, Tampo A, Saito N, Kitai Y, Takahashi H, Kobayashi I, Kondo Y, Matsunaga W, Nachi S, Miike T, Takahashi H, Takauji S, Umakoshi K, Todaka T, Kodaira H, Andoh K, Kasai T, Iwashita Y, Arai H, Murata M, Yamane M, Shiga K, Hori N.
J Intensive Care. 2016 Jul 12;4:44. doi: 10.1186/s40560-016-0169-9.
PMID: 27413534 Free PMC Article
33. Developmental Switch in Spike Timing-Dependent Plasticity and Cannabinoid-Dependent Reorganization of the Thalamocortical Projection in the Barrel Cortex.
Itami C, Huang JY, Yamasaki M, Watanabe M, Lu HC, Kimura F.
J Neurosci. 2016 Jun 29;36(26):7039-54. doi: 10.1523/JNEUROSCI.4280-15.2016.
PMID: 27358460
34. A New Z Score Curve of the Coronary Arterial Internal Diameter Using the Lambda-Mu-Sigma Method in a Pediatric Population.
Kobayashi T, Fuse S, Sakamoto N, Mikami M, Ogawa S, Hamaoka K, Arakaki Y, Nakamura T, Nagasawa H, Kato T, Jibiki T, Iwashima S, Yamakawa M, Ohkubo T, Shimoyama S, Aso K, Sato S, Saji T; Z Score Project Investigators..
J Am Soc Echocardiogr. 2016 Aug;29(8):794-801.e29. doi: 10.1016/j.echo.2016.03.017.
PMID: 27288089
35. Immunostaining for Homer reveals the majority of excitatory synapses in laminae I-III of the mouse spinal dorsal horn.
utierrez-Mecinas M, Kuehn ED, Abaira VE, Polgár E, Watanabe M, Todd A J. Neuroscience. 2016 Aug 4;329:171-81. doi: 10.1016/j.neuroscience.2016.05.009.
PMID: 27185486 Free PMC Article
36. Pregnancy outcome in women with inflammatory bowel disease treated with anti-tumor necrosis factor and/or thiopurine therapy: a multicenter study from Japan.
Komoto S, Motoya S, Nishiwaki Y, Matsui T, Kunisaki R, Matsuoka K, Yoshimura N, Kagaya T, Naganuma M, Hida N, Watanabe M, Hibi T, Suzuki Y, Miura S, Hokari R; Japanese study group for pregnant women with IBD..
Intest Res. 2016 Apr;14(2):139-45. doi: 10.5217/ir.2016.14.2.139.
PMID: 27175114 Free PMC Article
38. Synaptic and cellular changes induced by the schizophrenia susceptibility gene G72 are rescued by N-acetylcysteine treatment.
Pósfai B, Cserép C, Hegedüs P, Szabadits E, Otte DM, Zimmer A, Watanabe M, Freund TF, Nyiri G. Transl Psychiatry. 2016 May 10;6:e807. doi: 10.1038/tp.2016.74.
PMID: 27163208 Free PMC Article

39. GluD2 Endows Parallel Fiber-Purkinje Cell Synapses with a High Regenerative Capacity.
Ichikawa R, Sakimura K, Watanabe M.
J Neurosci. 2016 Apr 27;36(17):4846-58. doi: 10.1523/JNEUROSCI.0161-16.2016.
PMID: 27122040 Free Article
40. Dopamine synapse is a neuroligin-2-mediated contact between dopaminergic presynaptic and GABAergic postsynaptic structures.
Uchigashima M, Ohtsuka T, Kobayashi K, Watanabe M.
Proc Natl Acad Sci U S A. 2016 Apr 12;113(15):4206-11. doi: 10.1073/pnas.1514074113.
PMID: 27035941 Free PMC Article
41. A quantitative study of neurochemically defined excitatory interneuron populations in laminae I-III of the mouse spinal cord.
Gutierrez-Mecinas M, Furuta T, Watanabe M, Todd AJ.
Mol Pain. 2016 Mar 8;12. pii: 1744806916629065. doi: 10.1177/1744806916629065.
PMID: 27030714 Free PMC Article
42. A combined electrophysiological and morphological study of neuropeptide Y-expressing inhibitory interneurons in the spinal dorsal horn of the mouse.
Iwagaki N, Ganley RP, Dickie AC, Polgár E, Hughes DI, Del Rio P, Revina Y, Watanabe M, Todd AJ, Riddell JS.
Pain. 2016 Mar;157(3):598-612. doi: 10.1097/j.pain.0000000000000407.
PMID: 26882346 Free PMC Article
43. Territories of heterologous inputs onto Purkinje cell dendrites are segregated by mGluR1-dependent parallel fiber synapse elimination.
Ichikawa R, Hashimoto K, Miyazaki T, Uchigashima M, Yamasaki M, Aiba A, Kano M, Watanabe M.
Proc Natl Acad Sci U S A. 2016 Feb 23;113(8):2282-7. doi: 10.1073/pnas.1511513113.
PMID: 26858447 Free PMC Article
44. Comparative anatomical distribution of neuronal calcium-binding protein (NECAB) 1 and -2 in rodent and human spinal cord.
Zhang MD, Barde S, Szodorai E, Josephson A, Mitsios N, Watanabe M, Attems J, Lubec G, Kovács GG, Uhlén M, Mulder J, Harkany T, Hökfelt T.
Brain Struct Funct. 2016 Sep;221(7):3803-23. doi: 10.1007/s00429-016-1191-3. Erratum in: Brain Struct Funct. 2016 Sep;221(7):3843.
45. Emerging roles of ARHGAP33 in intracellular trafficking of TrkB and pathophysiology of neuropsychiatric disorders.
Nakazawa T, Hashimoto R, Sakoori K, Sugaya Y, Tanimura A, Hashimotodani Y, Ohi K, Yamamori H, Yasuda Y, Umeda-Yano S, Kiyama Y, Konno K, Inoue T, Yokoyama K, Inoue T, Numata S, Ohnuma T, Iwata N, Ozaki N, Hashimoto H, Watanabe M, Manabe T, Yamamoto T, Takeda M, Kano M.
Nat Commun. 2016 Feb 3;7:10594. doi: 10.1038/ncomms10594. Erratum in: Nat Commun. 2016;7:11466.
PMID: 26839058 Free PMC Article

46. Phosphoproteomics of the Dopamine Pathway Enables Discovery of Rap1 Activation as a Reward Signal In Vivo.
Nagai T, Nakamuta S, Kuroda K, Nakauchi S, Nishioka T, Takano T, Zhang X, Tsuboi D, Funahashi Y, Nakano T, Yoshimoto J, Kobayashi K, Uchigashima M, Watanabe M, Miura M, Nishi A, Kobayashi K, Yamada K, Amano M, Kaibuchi K. *Neuron*. 2016 Feb 3;89(3):550-65. doi: 10.1016/j.neuron.2015.12.019. PMID: 26804993
47. A pilot study of operational tolerance with a regulatory T-cell-based cell therapy in living donor liver transplantation.
Todo S, Yamashita K, Goto R, Zaito M, Nagatsu A, Oura T, Watanabe M, Aoyagi T, Suzuki T, Shimamura T, Kamiyama T, Sato N, Sugita J, Hatanaka K, Bashuda H, Habu S, Demetris AJ, Okumura K. *Hepatology*. 2016 Aug;64(2):632-43. doi: 10.1002/hep.28459. PMID: 26773713
48. Epidermolysis Bullosa Acquisita Develops in Dominant Dystrophic Epidermolysis Bullosa.
Hayashi R, Natsuga K, Watanabe M, Iwata H, Shinkuma S, Ito A, Masui Y, Ito M, Shimomura Y. *J Invest Dermatol*. 2016 Jan;136(1):320-3. doi: 10.1038/JID.2015.370. No abstract available. PMID: 26763454
49. Spatial correlativity of atmospheric particulate components simultaneously collected in Japan.
Funasaka K, Asakawa D, Oku Y, Kishikawa N, Deguchi Y, Sera N, Seiyama T, Horasaki K, Arashidani K, Toriba A, Hayakawa K, Watanabe M, Kataoka H, Yamaguchi T, Ikemori F, Inaba Y, Tonokura K, Akiyama M, Kokunai O, Coulibaly S, Hasei T, Watanabe T. *Environ Monit Assess*. 2016 Feb;188(2):85. doi: 10.1007/s10661-015-5029-x. PMID: 26753629
50. Postmarketing surveillance of the safety and effectiveness of abatacept in Japanese patients with rheumatoid arthritis.
6yhHarigai M, Ishiguro N, Inokuma S, Mimori T, Ryu J, Takei S, Takeuchi T, Tanaka Y, Takasaki Y, Yamanaka H, Watanabe M, Tamada H, Koike T. *Mod Rheumatol*. 2016 Jul;26(4):491-8. doi: 10.3109/14397595.2015.1123211. PMID: 26635183 Free PMC Article

眼科学講座

○主な研究内容

- 1 網膜変性症の病態及び治療研究
- 2 正常眼圧緑内障の病態に関する研究
- 3 斜視・弱視の手術方法や予後に関する臨床研究
- 4 眼科領域におけるMRスペクトロスコピー法の開発
- 5 眼内循環に及ぼす薬理作用に関する研究

○Pub Med 掲載論文 (2015 年)

1. Hiraoka M, Abe A, Inatomi S, Sawada K, Ohguro H.
Augmentation of Lysosomal Phospholipase A2 Activity in the Anterior Chamber in Glaucoma.
Curr Eye Res. 2015 Aug 19:1-6. [Epub ahead of print]
2. Aoki H, Hiraoka M, Hashimoto M, Ohguro H.
Systemic Cyclosporine Therapy for Scleritis: A Proposal of a Novel System to Assess the Activity of Scleritis.
Case Rep Ophthalmol. 2015 May 5;6(2):149-57. doi: 10.1159/000430490. eCollection 2015 May-Aug.
3. Glukhova A, Hinkovska-Galcheva V, Kelly R, Abe A, Shayman JA, Tesmer JJ.
Structure and function of lysosomal phospholipase A2 and lecithin:cholesterol acyltransferase.
Nat Commun. 2015 Mar 2;6:6250. doi: 10.1038/ncomms7250.

眼科学講座

○主な研究内容

- 1 網膜変性症の病態及び治療研究
- 2 正常眼圧緑内障の病態に関する研究
- 3 斜視・弱視の手術方法や予後に関する臨床研究
- 4 眼科領域におけるMRスペクトロスコピー法の開発
- 5 眼内循環に及ぼす薬理作用に関する研究

○Pub Med 掲載論文 (2014 年)

1. [Fujimoto K](#)¹, [Hiraoka M](#)¹, [Inatomi S](#)¹, [Ohguro H](#)¹.
Association of cryptogenic organizing pneumonia in bilateral anterior uveitis.
[Case Rep Ophthalmol](#). 2014 Nov 13;5(3):365-72. doi: 10.1159/000369125. eCollection 2014.
2. [Lennikov A](#)¹, [Hiraoka M](#)¹, [Abe A](#)¹, [Ohno S](#)², [Fujikawa T](#)³, [Itai A](#)³, [Ohguro H](#)¹.
I B Kinase- Inhibitor IMD-0354 Beneficially Suppresses Retinal Vascular Permeability in Streptozotocin-Induced Diabetic Mice.
[Invest Ophthalmol Vis Sci](#). 2014 Sep 9;55(10):6365-73. doi: 10.1167/iov.14-14671.
3. [Tanaka S](#)¹, [Watanabe M](#), [Inatomi S](#), [Umeda K](#), [Yoshida K](#), [Ohguro I](#), [Ohguro H](#).
Effects of several anti-glaucoma medications on the circadian intraocular pressure fluctuations in patients with primary open-angle glaucoma.
[J Ocul Pharmacol Ther](#). 2014 Feb;30(1):12-20. doi: 10.1089/jop.2013.0121. Epub 2013 Nov 28.
4. [Hiraoka M](#)¹, [Abe A](#)², [Lennikov A](#)³, [Kitaichi N](#)⁴, [Ishida S](#)⁵, [Ohguro H](#)².
Increase of lysosomal phospholipase A2 in aqueous humor by uveitis.
[Exp Eye Res](#). 2014 Jan;118:13-9. doi: 10.1016/j.exer.2013.09.018. Epub 2013 Oct 23.

眼科学講座

○主な研究内容

- 1 網膜変性症の病態及び治療研究
- 2 正常眼圧緑内障の病態に関する研究
- 3 斜視・弱視の手術方法や予後に関する臨床研究
- 4 眼科領域におけるMRスペクトロスコピー法の開発
- 5 眼内循環に及ぼす薬理作用に関する研究

○Pub Med 掲載論文 (2013 年)

1. [Hiraoka M](#), [Okamoto K](#), [Ohguro H](#), [Abe A](#).
Role of N-glycosylation of human lysosomal phospholipase A2 for the formation of catalytically active enzyme. ([J Lipid Res](#). 2013 Nov;54(11):3098-105. doi: 10.1194/jlr.M041640. Epub 2013 Aug 19.)
2. [Yoshida K](#), [Ohguro I](#), [Ohguro H](#).
Black currant anthocyanins normalized abnormal levels of serum concentrations of endothelin-1 in patients with glaucoma. ([J Ocul Pharmacol Ther](#). 2013 Jun;29(5):480-7. doi: 10.1089/jop.2012.0198. Epub 2012 Dec 21.)
3. [Ohguro H](#), [Ohguro I](#), [Yagi S](#).
Effects of black currant anthocyanins on intraocular pressure in healthy volunteers and patients with glaucoma. ([J Ocul Pharmacol Ther](#). 2013 Feb;29(1):61-7. doi: 10.1089/jop.2012.0071. Epub 2012 Oct 9.)
4. [Takano K](#), [Keira Y](#), [Seki N](#), [Abe A](#), [Yamamoto M](#), [Takahashi H](#), [Himi T](#).
Evaluation of submandibular versus labial salivary gland fibrosis in IgG4-related disease. ([Mod Rheumatol](#). 2013 Nov 11. [Epub ahead of print])