

- 第 56 回 日本リウマチ学会 2012 年 4 月 26 日～28 日
6. 岳野 光洋、寺内 佳余、石ヶ坪 良明.  
他 ベーチェット病に対する抗 TNF 抗体治療の有効性と問題点 第 33 回 日本 2012 年 7 月 5 日
  7. 岳野光洋, 寺内佳余, 渡邊玲光, 上原武晃, 吉見竜介, 澁谷悦子、水木信久、石ヶ坪良明 ベーチェット病ぶどう膜炎に対する抗 TNF 抗体の効果減弱とその対策 第 27 回日本臨床リウマチ学会 2012 年 11 月 23 日～11 月 24 日 神戸
  8. 岳野光洋、寺内佳余、渡邊玲光、上原武晃、吉見竜介、上田敦久、澁谷悦子、水木信久、石ヶ坪良明. ベーチェット病ぶどう膜炎に対するインフリキシマブ治療効果減弱時の薬理動態とその対策 第 57 回 日本リウマチ学会 京都、2013 年 4 月
  9. 岳野光洋、出口治子、須田昭子、渡邊玲光、桑名正隆、沢田哲治、菊地弘敏、永渕裕子、廣畑俊成、齋藤和義、石ヶ坪良明. 血管型ベーチェット病診療ガイドライン作成に向けて. 第 57 回 日本リウマチ学会 京都、2013 年 4 月
  10. Kirino Y, Zhou Q, Ishigatsubo Y, Tugal-Tutkun I, Seyahi E, Ozyazgan Y, Sacli SF, Erer B, Emrence Z, Cakar A, Ustek D, Ueda A, Takeno M, Kim Y, G?l A, Kastner DL, Remmers EF. ベーチェット病を標的化した大規模再シークエンスにより示唆されたベーチェット病の発症における自然免疫の関与. 第 57 回日本リウマチ学会総会,京都,2013 年 4 月.
- 研究分担者  
水木信久：  
論文発表
1. Yoshida M, Meguro A, Okada E, Nomura N, Mizuki N. Association study of fibroblast growth factor 10 (FGF 10) polymorphisms with susceptibility to extreme myopia in a Japanese population. *Mol Vis* 2013;19:2321-2329.
  2. Yoshida M, Meguro A, Yoshino A, Nomura N, Okada E, Mizuki N. Association study of IGF 1 polymorphisms with susceptibility to high myopia in a Japanese population. *Clin Ophthalmol* 2013;7:2057-2062.
  3. Cheng CY, Schache M, Ikram MK, Young TL, Guggenheim JA, Vitart V, MacGregor S, Verhoeven VJ, Barathi VA, Liao J, Hysi PG, Bailey-Wilson JE, St Pourcain B, Kemp JP, McMahon G, Timpson NJ, Evans DM, Montgomery GW, Mishra A, Wang YX, Wang JJ, Roachchina E, Polasek O, Wright AF, Amin N, van Leeuwen EM, Wilson JF, Pennell CE, van Duijn CM, de Jong PT, Vingerling JR, Zhou X, Chen P, Li R, Tay WT, Zheng Y, Chew M; Consortium for Refractive Error and Myopia, Burdon KP, Craig JE, Iyengar SK, Igo RP Jr, Lass JH Jr; Fuchs' Genetics Multi-Center Study Group, Chew EY, Haller T, Mihailov E, Metspalu A, Wedenoja J, Simpson CL, Wojciechowski R, Höhn R, Mirshahi A, Zeller T, Pfeiffer N,

- Lackner KJ; Wellcome Trust Case Control Consortium 2, Bettecken T, Meitinger T, Oexle K, Pirastu M, Portas L, Nag A, Williams KM, Yonova-Doing E, Klein R, Klein BE, Hosseini SM, Paterson AD; Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions, and Complications Research Group, Makela KM, Lehtimaki T, Kahonen M, Raitakari O, Yoshimura N, Matsuda F, Chen LJ, Pang CP, Yip SP, Yap MK, Meguro A, Mizuki N, Inoko H, Foster PJ, Zhao JH, Vithana E, Tai ES, Fan Q, Xu L, Campbell H, Fleck B, Rudan I, Aung T, Hofman A, Uitterlinden AG, Bencic G, Khor CC, Forward H, Pärssinen O, Mitchell P, Rivadeneira F, Hewitt AW, Williams C, Oostra BA, Teo YY, Hammond CJ, Stambolian D, Mackey DA, Klaver CC, Wong TY, Saw SM, Baird PN. Nine loci for ocular axial length identified through genome-wide association studies, including shared loci with refractive error. *Am J Hum Genet* 2013;93(2):264-277.
4. Kanemaki N, Tchedre KT, Imayasu M, Kawarai S, Sakaguchi M, Yoshino A, Itoh N, Meguro A, Mizuki N. Dogs and Humans Share a Common Susceptibility Gene SRBD1 for Glaucoma Risk. *PLoS One* 2013;8(9):e74372.
  5. Kato T, Meguro A, Nomura E, Uemoto R, Nomura N, Ota M, Kashiwagi K, Mabuchi F, Iijima H, Kawase K, Yamamoto T, Nakamura M, Negi A, Sagara T, Nishida T, Inatani M, Tanihara H, Aihara M, Araie M, Fukuchi T, Abe H, Higashide T, Sugiyama K, Kanamoto T, Kiuchi Y, Iwase A, Chin S, Ohno S, Inoko H, Mizuki N. Association study of genetic variants on chromosome 7q31 with susceptibility to normal tension glaucoma in a Japanese population. *Eye (Lond)* 2013;27(8):979-983.
  6. Kirino Y, Zhou Q, Ishigatsubo Y, Mizuki N, Tugal-Tutkun I, Seyahi E, Ozyazgan Y, Ugurlu S, Erer B, Abaci N, Ustek D, Meguro A, Ueda A, Takeno M, Inoko H, Ombrello MJ, Satorius CL, Maskeri B, Mullikin JC, Sun HW, Gutierrez-Cruz G, Kim Y, Wilson AF, Kastner DL, Gül A, Remmers EF. Targeted resequencing implicates the familial Mediterranean fever gene MEFV and the toll-like receptor 4 gene TLR4 in Behcet disease. *Proc Natl Acad Sci U S A* 2013;110(20):8134-8139.
  7. Yotsumoto S, Meguro A, Ishihara M, Uemoto R, Ota M, Morimoto SI, Kaburaki T, Ando Y, Takenaka S, Ohno S, Inoko H, Mizuki N. Investigation of the Association Between Toll-like Receptor 9 Gene Polymorphisms and Sarcoidosis in Japanese Patients. *Ocul Immunol Inflamm* 2013;21(3):234-236.
  8. Mikami T, Meguro A, Teshigawara T, Takeuchi M, Uemoto R, Kawagoe T, Nomura E, Asukata Y, Ishioka M,

- Iwasaki M, Fukagawa K, Konomi K, Shimazaki J, Nishida T, Mizuki N. Interleukin 1 beta promoter polymorphism is associated with keratoconus in a Japanese population. *Mol Vis* 2013;19:845-851.
9. Kirino Y, Bertias G, Ishigatsubo Y, Mizuki N, Tugal-Tutkun I, Seyahi E, Ozyazgan Y, Sacli FS, Erer B, Inoko H, Emrence Z, Cakar A, Abaci N, Ustek D, Satorius C, Ueda A, Takeno M, Kim Y, Wood GM, Ombrello MJ, Meguro A, Gül A, Remmers EF, Kastner DL. Genome-wide association analysis identifies new susceptibility loci for Behçet's disease and epistasis between HLA-B\*51 and ERAP1. *Nat Genet* 2013;45(2):202-207.
  10. Lee YJ, Horie Y, Wallace GR, Choi YS, Park JA, Song R, Kang YM, Kang SW, Baek HJ, Kitaichi N, Meguro A, Mizuki N, Namba K, Ishida S, Kim J, Niemczek E, Lee EY, Song YW, Ohno S, Lee EB. Genome-wide association study identifies GIMAP as a novel susceptibility locus for Behçet's disease. *Ann Rheum Dis*. 2013;72(9):1510-1516
  11. Nakasato-Sonn H, Uemoto R, Meguro A, Mizuki N. Modification of Swan-Jacobs lens for iridocorneal angle surgery. *Graefes Arch Clin Exp Ophthalmol* 2013;251(9):2247-2248.
  12. Uemoto R, Nakasato-Sonn H, Meguro A, Ito N, Yazama F, Mizuki N. Staining internal limiting membrane with a mixture of BBG and sodium hyaluronate. *Br J Ophthalmol* 2013;97(6):690-693.
  13. Suzuki H, Ota M, Meguro A, Katsuyama Y, Kawagoe T, Ishihara M, Asukata Y, Takeuchi M, Ito N, Shibuya E, Nomura E, Uemoto R, Nishide T, Namba K, Kitaichi N, Morimoto S, Kaburaki T, Ando Y, Takenaka S, Nakamura J, Saeki K, Ohno S, Inoko H, Mizuki N. Genetic Characterization and Susceptibility for Sarcoidosis in Japanese Patients: Risk Factors of BTNL2 Gene Polymorphisms and HLA Class II Alleles. *Invest Ophthalmol Vis Sci* 2012;53(11):7109-7115.
  14. Meguro A, Ideta H, Ota M, Ito N, Ideta R, Yonemoto J, Takeuchi M, Uemoto R, Nishide T, Iijima Y, Kawagoe T, Okada E, Shiota T, Hagihara Y, Oka A, Inoko H, Mizuki N. Common variants in the COL4A4 gene confer susceptibility to lattice degeneration of the retina. *PLoS One* 2012;7(6):e 39300.
  15. Fan Q, Barathi VA, Cheng CY, Zhou X, Meguro A, Nakata I, Khor CC, Goh LK, Li YJ, Lim W, Ho CE, Hawthorne F, Zheng Y, Chua D, Inoko H, Yamashiro K, Ohno-Matsui K, Matsuo K, Matsuda F, Vithana E, Seielstad M, Mizuki N, Beuerman RW, Tai ES, Yoshimura N, Aung T, Young TL, Wong TY, Teo YY, Saw SM. Genetic variants on chromosome 1q41 influence ocular axial length and high myopia. *PLoS Genet* 2012;8(6):e 1002753.
  16. Sakuyama K, Meguro A, Ota M,

- Ishihara M, Uemoto R, Ito H, Okada E, Namba K, Kitaichi N, Morimoto S, Kaburaki T, Ando Y, Takenaka S, Yuasa T, Ohno S, Inoko H, Mizuki N. Lack of association between IL10 polymorphisms and sarcoidosis in Japanese patients. *Mol Vis* 2012;18:512-518.
17. Kawase K, Allingham RR, Meguro A, Mizuki N, Roos B, Solivan-Timpe FM, Robin AL, Ritch R, Fingert JH. Confirmation of TBK1 duplication in normal tension glaucoma. *Exp Eye Res* 2012;96(1):178-180.
18. Uemoto R, Nakasato-Sonn H, Kawagoe T, Meguro A, Okada E, Mizuki N. Factors associated with enlargement of chorioretinal atrophy after intravitreal bevacizumab for myopic choroidal neovascularization. *Graefes Arch Clin Exp Ophthalmol* 2012;250(7):989-997.
19. Horie Y, Meguro A, Kitaichi N, Lee EB, Kanda A, Noda K, Song YW, Park KS, Namba K, Ota M, Inoko H, Mizuki N, Ishida S, Ohno S. Replication of a microsatellite genome-wide association study of Behcet's disease in a Korean population. *Rheumatology (Oxford)* 2012;51(6):983-986.
20. Uemoto R, Nakasato-Sonn H, Meguro A, Okada E, Mizuki N. Anatomical and functional changes of retina following subretinal injection of high-speed fluid. *Graefes Arch Clin Exp Ophthalmol* 2012;250(3):447-450.
21. Ito R, Ota M, Meguro A, Katsuyama Y, Uemoto R, Nomura E, Nishide T, Kitaichi N, Horie Y, Namba K, Ohno S, Inoko H, Mizuki N. Investigation of association between TLR9 gene polymorphisms and VKH in Japanese patients. *Ocul Immunol Inflamm* 2011;19(3):202-205.
22. Yasumura R, Meguro A, Ota M, Nomura E, Uemoto R, Kashiwagi K, Mabuchi F, Iijima H, Kawase K, Yamamoto T, Nakamura M, Negi A, Sagara T, Nishida T, Inatani M, Tanihara H, Aihara M, Araie M, Fukuchi T, Abe H, Higashide T, Sugiyama K, Kanamoto T, Kiuchi Y, Iwase A, Ohno S, Inoko H, Mizuki N. Investigation of the association between SLC1A3 gene polymorphisms and normal tension glaucoma. *Mol Vis* 2011;17:792-796.
23. Sato M, Kawagoe T, Meguro A, Ota M, Katsuyama Y, Ishihara M, Namba K, Kitaichi N, Morimoto S, Kaburaki T, Ando Y, Takenaka S, Ohno S, Inoko H, Mizuki N. Toll-like receptor 2 (TLR2) gene polymorphisms are not associated with sarcoidosis in the Japanese. *Mol Vis* 2011;17:731-736.
24. Sada T, Ota M, Katsuyama Y, Meguro A, Nomura E, Uemoto R, Nishide T, Okada E, Ohno S, Inoko H, Mizuki N. Association analysis of Toll-like receptor 7 gene polymorphisms and Behcet's disease in Japanese. *Hum Immunol* 2011;72(3):269-272.
25. Yoshida M, Meguro A, Okada E, Nomura N, Mizuki N. Association

- study of fibroblast growth factor 10 (FGF 10) polymorphisms with susceptibility to extreme myopia in a Japanese population. *Mol Vis* 2013;19:2321-2329.
26. Yoshida M, Meguro A, Yoshino A, Nomura N, Okada E, Mizuki N. Association study of IGF 1 polymorphisms with susceptibility to high myopia in a Japanese population. *Clin Ophthalmol* 2013;7:2057-2062.
27. Cheng CY, Schache M, Ikram MK, Young TL, Guggenheim JA, Vitart V, MacGregor S, Verhoeven VJ, Barathi VA, Liao J, Hysi PG, Bailey-Wilson JE, St Pourcain B, Kemp JP, McMahon G, Timpson NJ, Evans DM, Montgomery GW, Mishra A, Wang YX, Wang JJ, Rohtchina E, Polasek O, Wright AF, Amin N, van Leeuwen EM, Wilson JF, Pennell CE, van Duijn CM, de Jong PT, Vingerling JR, Zhou X, Chen P, Li R, Tay WT, Zheng Y, Chew M; Consortium for Refractive Error and Myopia, Burdon KP, Craig JE, Iyengar SK, Igo RP Jr, Lass JH Jr; Fuchs' Genetics Multi-Center Study Group, Chew EY, Haller T, Mihailov E, Metspalu A, Wedenoja J, Simpson CL, Wojciechowski R, Höhn R, Mirshahi A, Zeller T, Pfeiffer N, Lackner KJ; Wellcome Trust Case Control Consortium 2, Bettecken T, Meitinger T, Oexle K, Pirastu M, Portas L, Nag A, Williams KM, Yonova-Doing E, Klein R, Klein BE, Hosseini SM, Paterson AD; Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions, and Complications Research Group, Makela KM, Lehtimäki T, Kahonen M, Raitakari O, Yoshimura N, Matsuda F, Chen LJ, Pang CP, Yip SP, Yap MK, Meguro A, Mizuki N, Inoko H, Foster PJ, Zhao JH, Vithana E, Tai ES, Fan Q, Xu L, Campbell H, Fleck B, Rudan I, Aung T, Hofman A, Uitterlinden AG, Bencic G, Khor CC, Forward H, Pärssinen O, Mitchell P, Rivadeneira F, Hewitt AW, Williams C, Oostra BA, Teo YY, Hammond CJ, Stambolian D, Mackey DA, Klaver CC, Wong TY, Saw SM, Baird PN. Nine loci for ocular axial length identified through genome-wide association studies, including shared loci with refractive error. *Am J Hum Genet* 2013;93(2):264-277.
28. Kanemaki N, Tchedre KT, Imayasu M, Kawarai S, Sakaguchi M, Yoshino A, Itoh N, Meguro A, Mizuki N. Dogs and Humans Share a Common Susceptibility Gene *SRBD1* for Glaucoma Risk. *PLoS One* 2013;8(9):e74372.
29. Kato T, Meguro A, Nomura E, Uemoto R, Nomura N, Ota M, Kashiwagi K, Mabuchi F, Iijima H, Kawase K, Yamamoto T, Nakamura M, Negi A, Sagara T, Nishida T, Inatani M, Tanihara H, Aihara M, Araie M, Fukuchi T, Abe H, Higashide T, Sugiyama K, Kanamoto

- T, Kiuchi Y, Iwase A, Chin S, Ohno S, Inoko H, Mizuki N. Association study of genetic variants on chromosome 7q31 with susceptibility to normal tension glaucoma in a Japanese population. *Eye (Lond)* 2013;27(8):979-983.
30. Kirino Y, Zhou Q, Ishigatsubo Y, Mizuki N, Tugal-Tutkun I, Seyahi E, Ozyazgan Y, Ugurlu S, Erer B, Abaci N, Ustek D, Meguro A, Ueda A, Takeno M, Inoko H, Ombrello MJ, Satorius CL, Maskeri B, Mullikin JC, Sun HW, Gutierrez-Cruz G, Kim Y, Wilson AF, Kastner DL, Gül A, Remmers EF. Targeted resequencing implicates the familial Mediterranean fever gene MEFV and the toll-like receptor 4 gene TLR4 in Behcet disease. *Proc Natl Acad Sci U S A* 2013;110(20):8134-8139.
31. Yotsumoto S, Meguro A, Ishihara M, Uemoto R, Ota M, Morimoto SI, Kaburaki T, Ando Y, Takenaka S, Ohno S, Inoko H, Mizuki N. Investigation of the Association Between Toll-like Receptor 9 Gene Polymorphisms and Sarcoidosis in Japanese Patients. *Ocul Immunol Inflamm* 2013;21(3):234-236.
32. Mikami T, Meguro A, Teshigawara T, Takeuchi M, Uemoto R, Kawagoe T, Nomura E, Asukata Y, Ishioka M, Iwasaki M, Fukagawa K, Konomi K, Shimazaki J, Nishida T, Mizuki N. Interleukin 1 beta promoter polymorphism is associated with keratoconus in a Japanese population. *Mol Vis* 2013;19:845-851.
33. Kirino Y, Bertsias G, Ishigatsubo Y, Mizuki N, Tugal-Tutkun I, Seyahi E, Ozyazgan Y, Sacli FS, Erer B, Inoko H, Emrence Z, Cakar A, Abaci N, Ustek D, Satorius C, Ueda A, Takeno M, Kim Y, Wood GM, Ombrello MJ, Meguro A, Gül A, Remmers EF, Kastner DL. Genome-wide association analysis identifies new susceptibility loci for Behçet's disease and epistasis between HLA-B\*51 and ERAP1. *Nat Genet* 2013;45(2):202-207.
34. Lee YJ, Horie Y, Wallace GR, Choi YS, Park JA, Song R, Kang YM, Kang SW, Baek HJ, Kitaichi N, Meguro A, Mizuki N, Namba K, Ishida S, Kim J, Niemczek E, Lee EY, Song YW, Ohno S, Lee EB. Genome-wide association study identifies GIMAP as a novel susceptibility locus for Behcet's disease. *Ann Rheum Dis* 2013;72(9):1510-1516
35. Nakasato-Sonn H, Uemoto R, Meguro A, Mizuki N. Modification of Swan-Jacobs lens for iridocorneal angle surgery. *Graefes Arch Clin Exp Ophthalmol* 2013;251(9):2247-2248.
36. Uemoto R, Nakasato-Sonn H, Meguro A, Ito N, Yazama F, Mizuki N. Staining internal limiting membrane with a mixture of BBG and sodium hyaluronate. *Br J Ophthalmol* 2013;97(6):690-693.
37. Suzuki H, Ota M, Meguro A, Katsuyama Y, Kawagoe T, Ishihara M, Asukata Y, Takeuchi M, Ito N, Shibuya E, Nomura E, Uemoto R,

- Nishide T, Namba K, Kitaichi N, Morimoto S, Kaburaki T, Ando Y, Takenaka S, Nakamura J, Saeki K, Ohno S, Inoko H, Mizuki N. Genetic Characterization and Susceptibility for Sarcoidosis in Japanese Patients: Risk Factors of BTNL2 Gene Polymorphisms and HLA Class II Alleles. *Invest Ophthalmol Vis Sci* 2012;53(11):7109-7115.
38. Meguro A, Ideta H, Ota M, Ito N, Ideta R, Yonemoto J, Takeuchi M, Uemoto R, Nishide T, Iijima Y, Kawagoe T, Okada E, Shiota T, Hagihara Y, Oka A, Inoko H, Mizuki N. Common variants in the COL4A4 gene confer susceptibility to lattice degeneration of the retina. *PLoS One* 2012;7(6):e 39300.
39. Fan Q, Barathi VA, Cheng CY, Zhou X, Meguro A, Nakata I, Khor CC, Goh LK, Li YJ, Lim W, Ho CE, Hawthorne F, Zheng Y, Chua D, Inoko H, Yamashiro K, Ohno-Matsui K, Matsuo K, Matsuda F, Vithana E, Seielstad M, Mizuki N, Beuerman RW, Tai ES, Yoshimura N, Aung T, Young TL, Wong TY, Teo YY, Saw SM. Genetic variants on chromosome 1q41 influence ocular axial length and high myopia. *PLoS Genet* 2012;8(6):e 1002753.
40. Sakuyama K, Meguro A, Ota M, Ishihara M, Uemoto R, Ito H, Okada E, Namba K, Kitaichi N, Morimoto S, Kaburaki T, Ando Y, Takenaka S, Yuasa T, Ohno S, Inoko H, Mizuki N. Lack of association between IL10 polymorphisms and sarcoidosis in Japanese patients. *Mol Vis* 2012;18:512-518.
41. Kawase K, Allingham RR, Meguro A, Mizuki N, Roos B, Solivan-Timpe FM, Robin AL, Ritch R, Fingert JH. Confirmation of TBK1 duplication in normal tension glaucoma. *Exp Eye Res* 2012;96(1):178-180.
42. Uemoto R, Nakasato-Sonn H, Kawagoe T, Meguro A, Okada E, Mizuki N. Factors associated with enlargement of chorioretinal atrophy after intravitreal bevacizumab for myopic choroidal neovascularization. *Graefes Arch Clin Exp Ophthalmol* 2012;250(7):989-997.
43. Horie Y, Meguro A, Kitaichi N, Lee EB, Kanda A, Noda K, Song YW, Park KS, Namba K, Ota M, Inoko H, Mizuki N, Ishida S, Ohno S. Replication of a microsatellite genome-wide association study of Behcet's disease in a Korean population. *Rheumatology (Oxford)* 2012;51(6):983-986.
44. Uemoto R, Nakasato-Sonn H, Meguro A, Okada E, Mizuki N. Anatomical and functional changes of retina following subretinal injection of high-speed fluid. *Graefes Arch Clin Exp Ophthalmol* 2012;250(3):447-450.
45. Ito R, Ota M, Meguro A, Katsuyama Y, Uemoto R, Nomura E, Nishide T, Kitaichi N, Horie Y, Namba K, Ohno S, Inoko H, Mizuki N. Investigation of association between TLR9 gene polymorphisms and VKH in Japanese

- patients. *Ocul Immunol Inflamm* 2011;19(3):202-205.
46. Yasumura R, Meguro A, Ota M, Nomura E, Uemoto R, Kashiwagi K, Mabuchi F, Iijima H, Kawase K, Yamamoto T, Nakamura M, Negi A, Sagara T, Nishida T, Inatani M, Tanihara H, Aihara M, Araie M, Fukuchi T, Abe H, Higashide T, Sugiyama K, Kanamoto T, Kiuchi Y, Iwase A, Ohno S, Inoko H, Mizuki N. Investigation of the association between SLC1A3 gene polymorphisms and normal tension glaucoma. *Mol Vis* 2011;17:792-796.
  47. Sato M, Kawagoe T, Meguro A, Ota M, Katsuyama Y, Ishihara M, Namba K, Kitaichi N, Morimoto S, Kaburaki T, Ando Y, Takenaka S, Ohno S, Inoko H, Mizuki N. Toll-like receptor 2 (TLR 2) gene polymorphisms are not associated with sarcoidosis in the Japanese. *Mol Vis* 2011;17:731-736.
  48. Sada T, Ota M, Katsuyama Y, Meguro A, Nomura E, Uemoto R, Nishide T, Okada E, Ohno S, Inoko H, Mizuki N. Association analysis of Toll-like receptor 7 gene polymorphisms and Behçet's disease in Japanese. *Hum Immunol* 2011;72(3):269-272.
- 学会発表
1. Takeuchi M, Mizuki N, Meguro A, Ombrello MJ, satorius C, Kirino Y, Kawagoe T, Ustek D, Tugal-tutkun I, Seyahi E, Ozyazgan Y, Ohno S, Ueda A, Ishigatsubo Y, Gul A, Kastner DL, Remmers E. High density genotyping of immune-related disease genes identifies 7 new susceptibility loci for Behçet's disease. 2013 ACR/ARHP Annual Meeting (San Diego, USA), Oct 2013.
  2. Takeuchi M, Kawagoe T, Meguro A, Ishigatsubo Y, Remmers E, Kastner DL, Mizuki N. Behçet's disease: genotype-phenotype correlations. 7th Congress of ISSAID (Lausanne, Switzerland), May 2013.
  3. Meguro A, Kawagoe T, Nakahara M, Fukasaku H, Ohno S, Mizuki N. Association study of IL 23 R-IL 12 RB 2 and IL 10 gene polymorphisms with susceptibility to Vogt-Koyanagi-Harada disease in a Japanese population. ARVO 2013 Annual Meeting (Seattle, USA), May 2013.
  4. Mizuki N, Meguro A, Mochizuki M, Ohno S, Inoko H. Molecular genetics of Behçet's disease. 11th International Ocular Inflammation Society Congress (Goa, India), Nov 2011.
  5. Mizuki N, Meguro A, Asukata Y, Takeuchi M, Ohno S, Mochizuki M, Inoko H. Behçet's disease : role of regulatory T cells in disease remission. 11th International Ocular Inflammation Society Congress (Goa, India), Nov 2011.
  6. Mizuki N, Meguro A. Genome-wide association studies on multifactorial ocular diseases. 52nd annual meeting of Taiwan Ophthalmological Society (Taipei, Taiwan), Nov 2011.
  7. 水木信久. ベーチェット病およびサルコ

- イドーシスのゲノムワイド相関解析および機能解析. 眼科 DNA チップ研究会 (第 67 回日本臨床眼科学会) (横浜) 2013 年 11 月.
8. 目黒 明. 眼炎症性疾患の分子遺伝学的解析. 第 116 回日本眼科学会総会 (東京) 2012 年 4 月.
  9. 竹内正樹、目黒 明、河越龍方、樋口亮太郎、望月 學、大野重昭、水木信久. IL 23 R-IL 12 RB 2、IL 10 遺伝子多型および HLA 多型とベーチェット病の臨床像との関連. 第 115 回日本眼科学会総会 (東京) 2011 年 5 月.
- 椎名 隆：  
論文発表
1. Sada T, Ota M, Katsuyama Y, Meguro A, Nomura E, Uemoto R, Nishide T, Okada E, Ohno S, Inoko H, Mizuki N: Association analysis of Toll-like receptor 7 gene polymorphisms and Behçet's disease in Japanese patients. *Hum Immunol.* 72: 269-272, 2011.
  2. Horie Y, Meguro A, Kitaichi N, Lee EB, Kanda A, Noda K, Song YW, Park KS, Namba K, Ota M, Inoko H, Mizuki N, Ishida S, Ohno S. Replication of a microsatellite genome-wide association study of Behçet's disease in a Korean population. *Rheumatology* 51: 983-6, 2012.
  3. Meguro A, Ideta H, Ota M, Ito N, Ideta R, Yonemoto J, Takeuchi M, Uemoto R, Nishide T, Iijima Y, Kawagoe T, Okada E, Shiota T, Hagihara Y, Oka A, Inoko H, Mizuki N. Common variants in the COL4A4 gene confer susceptibility to lattice degeneration of the retina. *Plos ONE* 7: e39300, 2012.
  4. Oka A, Mabuchi T, Ozawa A, Inoko H. Current understanding of human genetics and genetic analysis of psoriasis. *J Dermatol.* 39: 231-241, 2012.
  5. Sakuyama K, Meguro A, Ota M, Ishihara M, Uemoto R, Ito H, Okada E, Namba K, Kitaichi N, Morimoto S, Kaburaki T, Ando Y, Takenaka S, Yuasa T, Ohno S, Inoko H, Mizuki N. Lack of association between IL10 polymorphisms and sarcoidosis in Japanese patients. *Mol Vis.* 18: 512-518, 2012.
  6. Mitsunaga S, Suzuki Y, Kuwana M, Sato S, Kaneko Y, Homma Y, Narita A, Kashiwase K, Okudaira Y, Inoue I, Kulski JK, Inoko H. Associations between six classical HLA loci and rheumatoid arthritis: a comprehensive analysis. *Tissue Antigens* 80: 16-25, 2012.
  7. Shiina T, Suzuki S, Ozaki Y, Taira H, Kikkawa E, Shigenari A, Oka A, Umemura T, Joshita S, Takahashi O, Hayashi Y, Paumen M, Katsuyama Y, Mitsunaga S, Ota M, Kulski JK, Inoko H. Super high resolution for single molecule-sequence-based typing of classical HLA loci at the 8-digit level using next generation sequencers. *Tissue Antigens* 80: 305-316, 2012.
  8. Suzuki H, Ota M, Meguro A, Katsuyama Y, Kawagoe T, Ishihara M, Asukata Y, Takeuchi M, Ito N,

- Shibuya E, Nomura E, Uemoto R, Nishide T, Namba K, Kitaichi N, Morimoto S, Kaburaki T, Ando Y, Takenaka S, Nakamura J, Saeki K, Ohno S, Inoko H, Mizuki N. Genetic characterization and susceptibility for sarcoidosis in Japanese patients: risk Factors of BTNL2 gene polymorphisms and HLA class II alleles. *Invest Ophthalmol Vis Sci.* 53: 7109-7115, 2012.
9. Mitsunaga S, Hosomichi K, Okudaira Y, Nakaoka H, Kunii N, Suzuki Y, Kuwana M, Sato S, Kaneko Y, Homma Y, Kashiwase K, Azuma F, Kulski JK, Inoue I, Inoko H. Exome sequencing identifies novel rheumatoid arthritis-susceptible variants in the BTNL2. *J Hum Genet.* 58: 210-215, 2013.
  10. Miyazono T, Shiina T, Michino J, Yasumura S, Sugiyama T. A novel HLA-B allele, HLA-B\*39:01:16, identified by super high-resolution single-molecule sequence-based typing in a Japanese individual. *Tissue Antigens* 82: 205-206, 2013.
  11. Jinam TA, Nakaoka H, Hosomichi K, Mitsunaga S, Okada H, Tanaka A, Tanaka K, Inoue I. HLA-DPB1\*04:01 allele is associated with non-obstructive azoospermia in Japanese patients. *Hum Genet* 132: 1405-11, 2013.
  12. Hosomichi K, Jinam TA, Mitsunaga S, Nakaoka H, Inoue I. Phase-defined complete sequencing of the HLA genes by next-generation sequencing. *BMC Genomics* 14: 355, 2013.
  13. Nakaoka H, Mitsunaga S, Hosomichi K, Shyh-Yuh L, Sawamoto T, Fujiwara T, Tsutsui N, Suematsu K, Shinagawa A, Inoko H, Inoue I. Detection of ancestry informative HLA alleles confirms the admixed origins of Japanese population. *PLoS ONE* 8: e60793, 2013.
  14. Mitsunaga S, Shimizu S, Okudaira Y, Oka A, Tanaka M, Kimura M, Kulski JK, Inoue I, Inoko H. Improved loop-mediated isothermal amplification for HLA-DRB1 genotyping using RecA and a restriction enzyme for enhanced amplification specificity. *Immunogenetics* 65: 405-15, 2013.
  15. Mitsunaga S, Suzuki Y, Kuwana M, Sato S, Kaneko Y, Homma Y, Narita A, Kashiwase K, Okudaira Y, Inoue I, Kulski JK, Inoko H. Associations between six classical HLA loci and rheumatoid arthritis: a comprehensive analysis. *Tissue Antigens* 80:16-25, 2012.
  16. Ozaki Y, Suzuki S, Shigenari A, Okudaira Y, Kikkawa E, Oka A, Ota M, Mitsunaga S, Kulski JK, Inoko H, Shiina T. HLA-DRB1, -DRB3, -DRB4 and -DRB5 genotyping at a super-high resolution level by long range PCR and high throughput sequencing. *Tissue Antigens*, In press.
  17. Wada A, Shiina T, Michino J, Yasumura S, Sugiyama T. A novel HLA-B allele, HLA-B\*44:184, identified by super high-resolution single-molecule sequence-based typing in a

Japanese. *Tissue Antigens*, In press.

#### 学会発表

1. Kurata R, Yonezawa T, Nakajima T, Takada S, Asahara H. LC-MS/MS-based shotgun proteomics identified the targets of arthritis-related microRNA. The First Bio-Rheumatology International Congress (BRIC) Tokyo, 2011.
2. Nakaoka H, Mitsunaga S, Inoko H, Inoue I. Integrative analysis of whole-gene co-expression network and exome sequence data to characterize pathways relevant to rheumatoid arthritis. 62nd Annual Meeting of the American Society of Human Genetics, 2012.
3. Shiina T, Ozaki Y, Suzuki S, Kikkawa E, Shigenari A, Oka A, Mitsunaga S, Ota M, Inoko H. Development of super high resolution single molecule sequence based typing (SS-SBT) method at the field 4 level without ambiguity. The 27th European Immunogenetics and Histocompatibility Conference, 2013.
4. 椎名隆、鈴木進悟、尾崎有紀、猪子英俊. HLA ゲノム構造と多型性. 血液フロンティア 23: 21-29, 2013.

#### 学会発表

1. 猪子英俊. ベーチェット病と関節リウマチの遺伝子解析. 第56回日本リウマチ学会総会・学術集会シンポジウム「リウマチ性疾患の疾患感受性遺伝子」, 2011.
2. 奥平裕子、光永滋樹、國井七絵、細道一善、田中政之、林英樹、河田寿子、鈴木

康夫、佐藤慎二、本間康彦、井ノ上逸朗、猪子英俊. エクソーム解析による関節リウマチ感受性遺伝子の探索. 第34回日本分子生物学会年会, 2011.

3. 中岡博史、崔泰林、田嶋敦、光永滋樹、猪子英俊、井ノ上逸朗. 関節リウマチにおけるシステムズ・ジェネティクス・アプローチ感受性遺伝子座から生物学的経路の推定. 日本人類遺伝学会第56回大会, 2011.
4. 倉田里穂、中岡博史、田嶋敦、米沢朋、猪子英俊. HLA 領域に位置する新規ベーチェット病感受性遺伝子の炎症応答に関する機能解析. 第21回日本組織適合性学会, 2012.
5. 光永滋樹、井ノ上逸朗、猪子英俊. エクソーム解析による関節リウマチ感受性遺伝子における稀少変異の探索. 生命科学系3分野支援活動(がん、ゲノム、脳)合同シンポジウム「生命科学・医学の発展を支える研究基盤の未来モデルケースとしての支援3領域」, 2012.
6. 奥平裕子、光永滋樹、鈴木康夫、桑名正隆、佐藤慎二、金子祐子、本間康彦、成田暁、柏瀬貢一、井ノ上逸朗、猪子英俊. 関節リウマチとHLA 6座との関連解析. 第21回日本組織適合性学会大会, 2012.
7. 猪子英俊. ベーチェット病と関節リウマチの遺伝子解析. 第56回日本リウマチ学会総会・学術集会シンポジウム「リウマチ性疾患の疾患感受性遺伝子」, 2012.
8. 奥平裕子、光永滋樹、細道一善、中岡博文、井ノ上逸朗、柏瀬貢一、椎名隆、猪子英俊. BTNL2はHLA-DRB1からは独立して関節リウマチ発症リスクを付与する. 第22回日本組織適合性学会大会, 2013.
9. 尾崎有紀、鈴木進悟、重成敦子、榎屋安

里、吉川枝里、岡晃、太田正穂、光永滋樹、猪子英俊、椎名隆. SS-SBT 法の開発 (1): *HLA-DRB 3/4/5* プライマーの開発と HLA 11 遺伝子座における PCR 条件の統一化. 第 22 回日本組織適合性学会大会, 2013.

10. 鈴木進悟、尾崎有紀、Swati Ranade、Jeff Quinn、Jason Chin、重成敦子、榎屋安里、光永滋樹、高橋直生、大崎研、太田正穂、猪子英俊、椎名隆. SS-SBT 法の開発 (2): 次世代シーケンサーを用いた HLA アリル全長配列収集法の開発. 第 22 回日本組織適合性学会大会, 2013.
11. 椎名隆、尾崎有紀、鈴木進悟、重成敦子、榎屋安里、吉川枝里、岡晃、太田正穂、光永滋樹、猪子英俊. SS-SBT 法の開発 (3): 実用化を目指した簡略化や迅速化に関する研究. 第 22 回日本組織適合性学会大会, 2013.
12. 尾崎有紀、鈴木進悟、重成敦子、榎屋安里、吉川枝里、岡晃、太田正穂、光永滋樹、猪子英俊、椎名隆. 新しい HLA アリル判定法、SS-SBT 法の実用化に関する研究. 第 36 回日本分子生物学会年会, 2013.

岩渕和也:

論文発表

1. Hirata N, Ogura H, Satoh M, Noguchi M, Matsumoto M, Togashi H, Onoe K, Iwabuchi K. The role of tumor necrosis factor- $\alpha$  for interleukin-10 production by murine dendritic cells. *Cell Immunol* 2011; 266 (2): 165-71.
2. Kurotaki D, Kon S, Bae K, Ito K, Matsui Y, Nakayama Y, Kanayama

M, Kimura C, Narita Y, Nishimura T, Iwabuchi K, Mack M, van Rooijen N, Sakaguchi S, Uede T, Morimoto J. CSF-1-dependent red pulp macrophages regulate CD4 T cell responses. *J Immunol* 2011; 186 (4): 2229-2237.

3. Tamauchi H, Amoh Y, Ito M, Terashima M, Masuzawa M, Habu S, Katsuoka K, Iwabuchi K. GATA-3 regulates contact hyperresponsiveness in a murine model of allergic dermatitis. *Immunobiol* 2012; 217: 446-54.
4. Eshima K, Chiba S, Suzuki H, Kokubo K, Kobayashi H, Iizuka M, Iwabuchi K, Shinohara N. Ectopic expression of eomesodermin renders CD4<sup>+</sup> Th cells cytotoxic by activating both perforin- and FasL pathway. *Immunol Lett* 2012; 144 (1-2): 7-15.
5. Satoh M, Andoh Y, Clingan CS, Ogura H, Fujii S, Eshima K, Nakayama T, Taniguchi M, Hirata N, Ishimori N, Tsutsui H, Onoe K, Iwabuchi K. Type II NKT cells stimulate diet-induced obesity by mediating adipose tissue inflammation, steatohepatitis and insulin resistance. *PLoS ONE* 2012; 7 (2): e30568.
6. Tiwananthagorn S, Iwabuchi K, Ato M, Sakurai T, Kato H, Katakura K. Involvement of CD4<sup>+</sup> Foxp3<sup>+</sup> regulatory T cells in persistence of *Leishmania donovani* in the liver of alymphoplastic aly/aly mice. *PLoS Neg Trop Dis* 2012; 6 (8): e1798, 2012.
7. Sobirin MA, Kinugawa S, Takahashi M, Fukushima A, Homma T, Ono T, Hirabayashi K, Suga T, Azalia P,

- Takada S, Taniguchi M, Nakayama T, Ishimori N, Iwabuchi K, Tsutsui H. The activation of natural killer T cells ameliorates post-infarct cardiac remodeling and failure in mice. *Circ Res* 111 (8): 1037-47, 2012.
8. Iwabuchi K, Satoh M. 2013. Invariant NKT cell serves as a novel therapeutic target for control of obesity. *Clin Lipidol* 8 (1): 51-4, 2013.
  9. Andoh Y, Ogura H, Satoh M, Shimano K, Okuno H, Fujii S, Ishimori N, Eshima K, Tamauchi H, Otani T, Nakai Y, Van Kaer L, Tsutsui H, Onoé K, Iwabuchi K. Natural killer T cells are required for lipopolysaccharide-mediated enhancement of atherosclerosis in apolipoprotein E-deficient mice. *Immunobiol* 218(4): 561-9.
  10. Homma T, Kinugawa S, Takahashi M, Sobirin MA, Saito A, Fukushima A, Suga T, Takada S, Kadoguchi T, Masaki Y, Furihata T, Taniguchi M, Nakayama T, Ishimori N, Iwabuchi K, Tsutsui H. Activation of invariant natural killer T cells by  $\alpha$ -galactosylceramide ameliorates myocardial ischemia/reperfusion injury in mice. *J Mol Cell Cardiol* 62: 179-188, 2013.
  11. Albiero M, Rattazzi M, Menegazzo L, Boscaro E, Cappellari R, Pagnin E, Bertacco E, Poncina N, Dyar K, Ciciliot S, Iwabuchi K, Million R, Arrighoni G, Kraenkel N, Landmesser U, Agostini C, Avogaro A, Fadini GP. Myeloid calcifying cells promote atherosclerotic calcification via paracrine activity and allograft inflammatory factor-1 over-expression. *Basic Res Cardiol* 2013; 108 (4): 368. doi: 10.1007/s 00395-013- 0368-7.
  12. Eshima K, Okabe M, Kajiura S, Noma H, Shinohara N, Iwabuchi K. Significant involvement of NF- $\kappa$ B-inducing kinase in proper differentiation of  $\gamma$  and  $\delta$  T cells. *Immunology* 2013; doi: 10.1111/imm.12186.
  13. Ito S, Iwaki S, Kondo R, Satoh M, Iwabuchi K, Fujii S. TNF-production in NKT cell hybridoma is regulated by sphingosine-1-phosphate: implications for atherosclerosis. *Coron Artery Dis* (in press)
  14. 岩渕和也：NKT細胞の分化と機能-前編. 北里医学 2011; 41(2): 99-109.
  15. 岩渕和也：NKT細胞の分化と機能-後編. 北里医学 2012; 42(1): 19-31.
  16. 岩渕和也：自己免疫性ぶどう膜炎の発症とオステオポンチン. 臨床免疫・アレルギー科 2012; 58 (1): 38-45.
  17. 佐藤 雅, 岩渕和也：Type II NKT細胞と肥満. 医学のあゆみ 2012; 243 (4): 322-3.
  18. 佐藤 雅, 岩渕和也：内臓脂肪症候群とNKT細胞. 小特集 生活習慣病とNKT細胞-病態モジュレーター的面から. 医学のあゆみ 2013; 246 (3): 215-20.
  19. 岩渕和也：NKT細胞による動脈硬化症と肥満発症機序. 特集 注目される natural killer T (NKT)細胞. 血液フロンティア 2013; 23 (7): 941-8.
- 学会発表
1. Satoh M, Andoh Y, Clingan CS,

- Ogura H, Fujii S, Nakayama T, Taniguchi M, Ishimori N, Tsutsui H, Van Kaer L, Onoé K, Iwabuchi K. Type II NKT cells operate diet-induced obesity by mediating adipose tissue inflammation, steatohepatitis and insulin resistance. The 6<sup>th</sup> Intl. Symposium on CD1/NKT cells 2011. 9. 23 (Chicago, USA)
2. Iwabuchi K, Sato M, Eshima K, Gilfillan S, Shimamura M, Miyake S, Yamamura T, Onoe K, Ogura H. Development of atherosclerotic lesion is aggravated in MR1<sup>-/-</sup> mice - an ameliorating role of MR1 - restricted NKT cells in atherosclerosis - The 6<sup>th</sup> Intl. Symposium on CD1/NKT cells 2011. 9. 23 (Chicago, USA)
  3. Iwabuchi K, Iwata D, Satoh M, Ohno S, Ishida S, Uede T, Onoé K. Osteopontin blockade ameliorates experimental autoimmune uveo-retinitis model in mice. Scientific session 2 - Immunology and Genetics. 15<sup>th</sup> International Conference on Behçet's Disease (Yokohama). 2012.7.
  4. Satoh M, Namba K-I, Kitaichi N, Ohno S, Ishida S, Onoé K, Taniguchi M, Yamamura T, Van Kaer L, Sonoda K-H, Iwabuchi K. The preventive effect of a novel ligand for natural killer T cells in the development of experimental autoimmune uveo-retinitis. The 15<sup>th</sup> International Conference on Behçet's Disease (Yokohama). 2012.7.15.
  5. Satoh M, Namba K-I, Kitaichi N, Taniguchi M, Van Kaer L, Sonoda K-H, Iwabuchi K. The preventive effect of a novel ligand for natural killer T cells in the development of experimental autoimmune uveo-retinitis in mice. 6<sup>th</sup> Intl Workshop Kyoto T Cell Conf (Kyoto). 2013. 6. 5.
  6. Iwabuchi K, Sato M, Eshima K, Gilfillan S, Miyake S, Yamamura T, Onoe K, Ogura H. Development of atherosclerotic lesion is aggravated in MR1<sup>-/-</sup> mice - an ameliorating role of MR1-restricted NKT cells in atherosclerosis- The 7<sup>th</sup> Intl Symposium on CD1/NKT cells. (Tours, France). 2013. 9. 14.
  7. Satoh M, Eshima K, Takeuchi E, Iwabuchi K. Characterization of non-invariant NKT cells in visceral adipose tissue. The 7<sup>th</sup> Intl. Symposium on CD1/NKT cells. (Tours, France). 2013. 9. 14.
  8. Satoh M, Eshima K, Fujii S, Nakayama T, Taniguchi M, Ishimori N, Iwabuchi K. Type II NKT cells operate diet-induced obesity by mediating adipose tissue inflammation and steatohepatitis. 第40回日本免疫学会学術集会 2011. 11. 27 (Chiba)
  9. Hirata N, Yanagawa Y, Iwabuchi K, Satoh M, Ogura H, Onoé K, Noguchi M. TNF- drives IL-10 production in murine dendritic cells. 第40回日本免疫学会学術集会 2011. 11. 27 (Chiba)
  10. 岩渕和也. MR1欠損はApoEノックアウトマウスの動脈硬化症の病巣進展を促進する. 第101回日本病理学会総会(東京). 2012.4.28.

11. 岩渕和也. 食餌誘導性肥満の進展における NKT 細胞の促進的役割. 第 52 回日本リンパ網内系学会総会 (福島). 2012.6.16.
  12. 江島耕二, 篠原信賢, 岩渕和也. NF- $\kappa$ B-inducing kinase in non-hematopoietic cells is required for maintenance of normal number of  $\gamma\delta$ T cells in periphery. 第 22 回京都 T セルカンファレンス (京都). 2012. 7.7.
  13. 竹内恵美子, 竹内康雄, 江島耕二, 篠原信賢, 岩渕和也. TCR/MHC interaction を介した T 細胞による自己反応性 B 細胞の監視. 第 22 回京都 T セルカンファレンス (京都). 2012. 7.7.
  14. 岩渕和也. ベーチェット病モデル動物の免疫異常とその制御. 第 40 回日本臨床免疫学会総会 (東京). 2012.9.28.
  15. Eshima K, Shinohara N, Iwabuchi K. Spontaneous increase of Gr-1<sup>+</sup>/CD 11 b<sup>+</sup> cells *alymphoplasia* mouse lacking functional NF- $\kappa$ B- inducing kinase. 第 41 回日本免疫学会総会・学術総会 (神戸). 2012.12.5.
  16. Satoh M, Eshima K, Tamauchi H, Takeuchi E, Iwabuchi K. Characterization of non-invariant NKT cells in visceral adipose tissue. 第 41 回日本免疫学会総会・学術総会 (神戸). 2012.12.7.
  17. Takeuchi E, Takeuchi Y, Shinohara N, Iwabuchi K. Dysfunction of selective suppression of auto-antibody production in SLE mice and reconstruction of this mechanism by induction of bone-marrow chimerism. 第 41 回日本免疫学会総会・学術総会 (神戸). 2012.12.7.
  18. 岩渕和也. マウス実験的ぶどう膜炎 (EAU) における NKT 細胞の役割. 第 102 回日本病理学会総会 (札幌). 2013.6.7.
  19. Satoh M, Eshima K, Takeuchi E, Iwabuchi K. Characterization of non-invariant NKT cells in visceral adipose tissue. The 42<sup>nd</sup> Ann Meeting of the JSI 2013. (Chiba). 2013.12.11.
  20. Shimano K, Sato M, Okuno H, Gilfillan S, Miyake S, Yamamura T, Ogura H, Iwabuchi K. Atherosclerotic lesion development in MR 1/apolipoprotein E-deficient mice. The 42<sup>nd</sup> Ann Meeting of the JSI 2013. (Chiba). 2013.12.11.
  21. Okuno H, Sato M, Eshima K, Tamauchi H, Kazuya Iwabuchi K. The role of T cell subsets in the development of nickel-induced allergic contact dermatitis. The 42<sup>nd</sup> Ann Meeting of the JSI 2013. (Chiba). 2013.12.11.
- 鈴木 登:  
論文発表
1. Shimizu J, Kaneko F, Suzuki N. Skewed helper T cell responses to IL-12 family cytokines produced by antigen presenting cells and the genetic background in Behcet's Disease. *Genetics Res Int* 2013 In press.
  2. Shimizu J, Izumi T, Suzuki N. Aberrant activation of Heat Shock Protein 60/65 reactive T cells in patients with Behcet's Disease. *Autoimmune Dis*. doi:10.1155/2012/105205, 2012.
  3. Shimizu J, Izumi T, Arimitsu N,

Fujiwara N, Ueda Y, Wakisaka S, Yoshikawa H, Kaneko F, Suzuki T, Takai K, Suzuki N. Skewed TGF $\beta$ /Smad signaling pathway of T cells in patients with Behçet's disease. *Clin Exp Rheumatol*. 30(Suppl.72), S 35-S 39, 2012.

4. Shimizu J, Takai K, Fujiwara N, Arimitsu N, Ueda Y, Wakisaka S, Yoshikawa H, Kaneko F, Suzuki T, Suzuki N. Excessive CD4+ T cells co-expressing interleukin-17 and interferon- $\gamma$  in patients with Behçet's disease. *Clin Exp Immunol*. 168: 68-74, 2012.

#### 学会発表

1. 清水潤、鈴木登. ベーチェット病リンパ球における Th 17 細胞関連サイトカインと IL-23 受容体の動態 第 57 回日本リウマチ学会総会・学術集会
2. 清水潤、鈴木登. ベーチェット病における IL-17+ IFN $\gamma$  + CD 4+細胞の存在. 第 56 回日本リウマチ学会総会・学術総会 (東京)
3. Shimizu J, Kaneko F, Kaneko S, Suzuki N. Simultaneous production of IL-17 and IFN $\gamma$  in CD 4+ T cells with Behçet's disease. 15 th International Congress on Behçet's Disease. 2012
4. Shimizu J, Kaneko F, Kaneko S, Suzuki N. Role of TGF $\beta$ /Smad pathway in T cell functions in patients with Behçet's disease. 15 th International Congress on Behçet's Disease. 2012
5. 清水潤、鈴木登. ベーチェット病におけ

る CD 4 T 細胞分化異常 第 55 回日本リウマチ学会総会・学術集会

桑名正隆:

#### 論文発表

1. Hirohata S, Kikuchi H, Sawada T, Nagafuchi H, Kuwana M, Takeno M, and Ishigatsubo Y. Clinical characteristics of neuro-Behçet's disease in Japan: a multicenter retrospective analysis. *Mod. Rheumatol*. 2012; 22(3): 405-413.
2. 桑名正隆: Behçet 病; 序文. 炎症と免疫 19(5): 475-476, 2011.
3. 山口由衣、桑名正隆: Behçet 病; Behçet 病の病態と NK 細胞. 炎症と免疫 19(5): 491-494, 2011.

#### 学会発表

1. Yasuoka H, Chen Z, Takeuchi T, Kuwana M: Th 17 is involved in the pathogenesis of Behçet's disease. The 98 th Annual Meeting of American Association of Immunology (San Francisco). 2011. 5.
2. Yamaguchi Y, Takahashi H, Satoh T, Okazaki Y, Mizuki N, Takahashi K, Ikezawa Z, Kuwana M: The role of natural killer cells in patients with Behçet disease. World Congress of Dermatology 2011 in Korea (Seoul). 2011. 5.
3. Yasuoka H, Chen Z, Takeuchi T, Kuwana M: Mechanism of the recruitment of Th 17 in the pathogenic process of Behçet's disease. 15 th International Conference on Behçet's Disease (Yokohama). 2012. 7.

4. Kuwana M: Roles of T lymphocytes in pathogenesis of Behçet's disease. 15th International Conference on Behçet's Disease (Yokohama). 2012. 7.
  5. Hirohata S, Kikuchi H, Sawada T, Nagafuchi H, Kuwana M, Takeno M, Ishigatsubo Y: Cyclosporine-related and cyclosporine-unrelated acute neurological events in Behçet's disease. 15th International Conference on Behçet's Disease (Yokohama). 2012. 7.
  6. Ideguchi H, Suda A, Watanabe R, Kuwana M, Kikuchi H, Nagafuchi H, Saito K, Hirohata S, Takeno M, Ishigatsubo Y: Clinical features of Vasculo-Behçet's disease in Japan. 15th International Conference on Behçet's Disease (Yokohama). 2012. 7.
  7. Takeno M, Ideguchi H, Suda A, Watanabe R, Kikuchi H, Nagafuchi H, Kuwana M, Saito K, Hirohata S, Ishigatsubo Y: Clinical features of Japanese patients with vasculo-Behçet's disease: a multicenter study by Behçet's disease reseach committee, MHLW. The European League Against Rheumatism 2013 (Madrid). 2013. 6.
  8. Hirohata S, Kikuchi H, Sawada T, Nagafuchi H, Kuwana M, Takeno M, Ishigatsubo Y: Colchicine reduces relapse of acute neurological attacks in Behçet's disease. The European League Against Rheumatism 2013 (Madrid). 2013. 6.
  1. 安岡秀剛、竹内勤、桑名正隆: ベーチェット病 (BD) の病態と Th 17 の関連について. 第 55 回日本リウマチ学会総会 (神戸). 2011. 7. (ワークショップ: ベーチェット病)
  2. 安岡秀剛、竹内勤、桑名正隆: ベーチェット病の病変形成には Th 17 と Th 1/Th 17 の療法のサブセットが関与している. 第 56 回日本リウマチ学会総会 (東京). 2012. 4. (ワークショップ 85: ベーチェット病)
  3. 岳野光洋、出口治子、須田昭子、渡邊玲光、桑名正隆、沢田哲治、菊地弘敏、永渕裕子、廣畑俊成、石ヶ坪良明: 血管ベーチェット病診療ガイドライン作成に向けて. 第 57 回日本リウマチ学会総会 (京都). 2013. 4. (ワークショップ 14: ベーチェット病)
- 中村晃一郎:  
論文発表
1. Togashi A, Saito S, Kaneko F, Nakamura K, Oyama N. Skin Prick test with Self-Saliva in patients with oral aphthosis: a diagnostic pathergy for Behcet's disease and recurrent aphthosis. *Inflamm Allergy Drug Targets* 10 (3): 164-70, 2011
  2. Kaneko F, Togashi A, Saito S, Sakuma H, Oyama N, Nakamura K, Yokota K, Oguma K. Behcet's disease (Adamantiades-Behcet's disease). *Clin Dev Immunol* 2011: 681956, 2011
  3. 中村晃一郎. ベーチェット病の免疫異常と遺伝子多型解析. 51 (4) : 80 - 83, 2011, 医薬の門.
  4. 中村晃一郎. アфтаとは? Behcet 病におけるアфта性口内炎は特徴がありますか? 皮膚の臨床 : 53 (11):1623 - 25, 2011 (10).
  5. 中村晃一郎. Behcet 病の外陰部潰瘍と Lipschutz 潰瘍の関係は? 皮膚の臨床 : 5

- 3 (11):1687 - 89, 2011 (10).
6. Kaneko F, Togashi A, Nomura E, Nakamura K, Isogai E, Yokota K, Oguma K. Role of heat shock protein derived from streptococcus sanguinis in Behcet's disease. *J Medical Microbiology & Diagnosis*. ISSN: 2161-0703, 2012

学会発表

1. Nakamura K, Miyano K, Neuchi A, Tsuchida T, Meguro A, Mizuki N. Analysis of IL-17 A SNP in Behcet's Disease. 36 th Japanese Society for Investigative Dermatology. Dec 9, 2011.
2. Nakamura K, Miyano K, Meuchi A, Tsuchida T, Meguro A, Mizuki N. Analysis of CXCR 1 and CXCR 2 SNP in patients with Behcet's diseases. The 37 th Japanese Society for Investigative Dermatology. Dec 7, 2012.
3. 金子史男、富樫亜吏、野村絵里香、中村晃一郎。ベーチェット病の補助診断としての自家唾液によるプリック反応。第 63 回日本アレルギー学会秋季学術大会。2013, 11 月

黒沢美智子：

学会発表

1. Kurosawa M, Inaba Y, Ishigatsubo Y, Takeno M, Nagai M, Yokoyama K: Epidemiological and clinical characteristics of behcet's disease in Japan, by years after disease onset, using a clinical database on patients receiving financial aid for treatment. *IEA*

*World Congress of Epidemiology, Edinburgh, 8/7-11, 2011.*

2. 黒沢美智子、稲葉裕、石ヶ坪良明、岳野光洋、横山和仁:ベーチェット病の1年後の予後 - 臨床調査個人票を用いて.第 82 回日本衛生学会学術総会, 京都,2012/3/24~26.
3. Michiko KUROSAWA, Yutaka INABA, Yoshiaki ISHIGATSUBO, Mitsuhiko TAKANO, Kazuhito Yokoyama. One-year Prognosis (Severity and Disease Type) of Behcet's Disease in Japan Using a Clinical Database of Patients Receiving Financial Aid for Treatment. 15<sup>th</sup> International Conference on Behcet's Disease, Yokohama, 7/13-15,2012.
4. 黒沢美智子、稲葉裕、石ヶ坪良明、岳野光洋、横山和仁: ベーチェット病新規患者の1年後の予後に関連する要因 - 臨床調査個人票を用いて.第 23 回日本疫学会学術総会,大阪,2013/1/24~26.

南場 研一：

論文発表

1. Kaburaki T, Namba K, Sonoda KH, Kezuka T, Keino H, Fukuhara T, Kamoi K, Nakai K, Mizuki N, Ohguro N, Ohno S, Kitaichi N, Keino H, Okada AA, Watanabe T, Takeda A, Ishibashi T, Yawata K, Iwahashi C, Mochizuki M, Sugita S, Goto H, Takamoto M, Nakahara H, Kondo Y, Shibuya E, Kimura I. Behcet's disease ocular attack score 24: Evaluation of ocular disease activity before and after initiation of infliximab. *Jpn J*

- Ophthalmol.* in press
2. Lennikov A, Alekberova Z, Goloeva R, Kitaichi N, Denisov L, Namba K, Takeno M, Ishigatsubo Y, Mizuki N, Nasonov E, Ishida S, Ohno S. Single center study on ethnic and clinical features of Behcet's disease in Russia. *Clin Rheumatol.* in press
  3. Lennikov A, Kitaichi N, Noda K, Mizuuchi K, Ando R, Dong Z, Fukuhara J, Kinoshita S, Namba K, Ohno S, Ishida S. Amelioration of endotoxin-induced uveitis treated with the sea urchin pigment echinochrome in rats. *Mol Vis.* in press
  4. International Team for the Revision of the International Criteria for Behçet's Disease (ITR-ICBD), Davatchi F, Assaad-Khalil S, Calamia KT, Crook JE, Sadeghi-Abdollahi B, Schirmer M, Tzellos T, Zouboulis CC, Akhlagi M, Al-Dalaan A, Alekberova ZS, Ali AA, Altenburg A, Arromdee E, Baltaci M, Bastos M, Benamour S, Ben Ghorbel I, Boyvat A, Carvalho L, Chen W, Ben-Chetrit E, Chams-Davatchi C, Correia JA, Crespo J, Dias C, Dong Y, Paixão-Duarte F, Elmuntaser K, Elonakov AV, Graña Gil J, Haghdoost AA, Hayani RM, Housman H, Isayeva AR, Jamshidi AR, Kaklamanis P, Kumar A, Kyrgidis A, Madanat W, Nadji A, Namba K, Ohno S, Olivieri I, Vaz Patto J, Pipitone N, de Queiroz MV, Ramos F, Resende C, Rosa CM, Salvarani C, Serra MJ, Shahram F, Shams H, Sharquie KE, Sliti-Khanfir M, Tribolet de Abreu T, Vasconcelos C, Vedes J, Wechsler B, Cheng YK, Zhang Z, Ziaei N. The International Criteria for Behçet's Disease (ICBD): a collaborative study of 27 countries on the sensitivity and specificity of the new criteria. *J Eur Acad Dermatol Venereol.* Epub ahead of print
  5. Jin XH, Namba K, Saito W, Iwata D, Ishida S. Bacterial endophthalmitis caused by an intraocular cilium in a patient under treatment with infliximab. *J Ophthalmic Inflamm and Infect.* 2013; 3:50
  6. Kase S, Namba K, Kitaichi N, Iwata D, Ohno S, Ishida S. Clinical features of human T lymphotropic virus type-1 associated uveitis in Hokkaido, Japan. *Jpn J Ophthalmol.* 2013; 57: 379-384
  7. Lee YJ, Horie Y, Wallace GR, Choi YS, Park JA, Song R, Kang YM, Kang SW, Baek HJ, Kitaichi N, Meguro A, Mizuki N, Namba K, Ishida S, Kim J, Niemczek E, Lee EY, Song YW, Ohno S, Lee EB. Genome-wide association study identifies GIMAP as a novel susceptibility locus for Behcet's disease. *Ann Rheum Dis.* 2013; 72: 1510-1516
  8. Mizuuchi K, Kitaichi N, Namba K, Horie Y, Ishida S, Ohno S. Trabecular meshwork depigmentation in Vogt-Koyanagi-Harada disease. *Jpn J Ophthalmol.* 2013; 57: 245-251
  9. Takemoto Y, Namba K, Mizuuchi K, Ohno S, Ishida S. Two cases of subfoveal choroidal neovascularization

- with tubulointerstitial nephritis and uveitis (TINU) syndrome. *Eur J Ophthalmol.* 2013; 23: 255-257
10. Horie Y, Meguro A, Kitaichi N, Lee E B, Kanda A, Noda K, Song Y W, Park K S, Namba K, Ota M, Inoko H, Mizuki N, Ishida S, Ohno S. Replication of a microsatellite genome-wide association study of Behcet disease in a Korean population. *Rheumatology.* 2012; 51: 983-986
  11. Ishijima K, Namba K, Ohno S, Mochizuki K, Ishida S. Intravitreal injection of bevacizumab in a case of occlusive retinal vasculitis accompanied with syphilitic intraocular inflammation. *Case Report Ophthalmol.* 2012; 3: 434-437
  12. Iwata D, Namba K, Mizuuchi K, Kitaichi N, Kase S, Takemoto Y, Ohno S, Ishida S. Correlation between elevation of serum antinuclear antibody titre and decreased therapeutic efficacy in the treatment of Behcet's disease with infliximab. *Graefes Arch Clin Exp Ophthalmol.* 2012; 250: 1081-1087
  13. Okada AA, Goto H, Ohno S, Mochizuki M, Kitaichi N, Namba K, Keino H, Watanabe T, Ishibashi T, Ito T, Sonoda K, Nakai K, Ohguro N, Sugita S, Kezuka T, Kaburaki T, Takamoto M, Mizuki N. Multicenter study of infliximab for refractory uveoretinitis in Behcet disease. *Arch Ophthalmol.* 2012; 130: 592-598
  14. Lennikov A, Kitaichi N, Noda K, Ando R, Dong Z, Fukuhara J, Kinoshita S, Namba K, Mizutani M, Fujikawa T, Itai A, Ohno S, Ishida S. Amelioration of endotoxin-induced uveitis treated with an I $\kappa$ B kinase  $\beta$  inhibitor in rats. *Mol Vis.* 2012; 18: 2586-2597
  15. Saito M, Yoshida K, Saito W, Fujiya A, Ohgami K, Kitaichi N, Tsukahara H, Ishida S, Ohno S. Astaxanthin increases choroidal blood flow velocity. *Graefes Arch Clin Exp Ophthalmol.* 2012; 250: 239-245
  16. Chin S, Nitta T, Shinmei Y, Aoyagi M, Nitta A, Ohno S, Ishida S, Yoshida K. Reduction of intraocular pressure using a modified 360-degree suture trabeculotomy technique in primary and secondary open-angle glaucoma: A pilot study. *J Glaucoma.* 2012; 21: 401-407
  17. Sada T, Ota M, Katsuyama Y, Meguro A, Nomura E, Uemoto R, Nishide T, Okada E, Ohno S, Inoko H, Mizuki N. Association analysis of toll-like receptor 7 gene polymorphisms and Behcet's disease in Japanese patients. *Hum Immunol* 269-272, 2011
  18. 南場研一、北市伸義、大野重昭：Behcet病、臨眼 64、630-636、2010
  19. 北市伸義、石田晋、大野重昭：サケ、イクラ、エビ、カニ（アスタキサンチン）、特集「眼に良い食べ物」、あたらしい眼科 27、43-46、2010
- 学会発表
1. Namba K. Novel scoring system of ocular lesions in Behcet's disease. 14