

Name

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Date of Birth

26 October 1979

Degree

M.D., Ph.D.

Nationality

Japan

Education

2004 M.D. Kyoto University, Kyoto, Japan

2011 Ph.D. Kyoto University Graduate School of Medicine, Kyoto, Japan

Post Doctoral Training

2011-2014 Kyoto University Graduate School of Medicine, Kyoto, Japan (Dr. Matsuda)

2014-2017 Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA (Dr. Raychaudhuri)

Faculty Academic Appointments

2011-2017 Assistant Professor Kyoto University Graduate School of Medicine, Kyoto, Japan

2017- Senior Research Scientist Laboratory for Statistical Analysis, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan

Professor The School of Pharmaceutical Sciences, University of Shizuoka

Appointments at Hospitals

2004-6 Resident, Shiga Medical Center for Adults, Shiga, Japan

2006-14 Attending Physician, Department of Rheumatology and Clinical Immunology, Kyoto University Hospital, Kyoto, Japan

2008-2014 Attending Physician, Department of Rheumatology, Japanese Red Cross Wakayama Medical Center, Japan

2017- Clinical Research Center, Shizuoka General Hospital, Shizuoka, Japan

Other Professional Positions

2005-6 Teaching Assistant, Department of Rheumatology and Clinical Immunology, Kyoto University Hospital, Kyoto, Japan

2010-11 GCOE Associate Fellow, Department of Rheumatology and Clinical Immunology, Kyoto University Hospital, Kyoto, Japan

Teaching and mentoring

Lecture for undergraduate students 2006-2010

Lecture for graduate students 2011, 2014

Yuji Narumiya (2011-12)

Kosuke Tanaka (2013-14)

Tanaka et al, **J Hum Genet.** 2014 (Publication#25)

Kazuya Setoh

Setoh et al, **Nat Commun.** 2015 (Publication#45)

Shuji Akizuki

KAKENHI 16K09891

Ai Yaku (2015/4~)

2016 The Kyoto University Foundation Travel Grant

Yaku et al, **Sci Rep.** 2017 (Publication#59)

Hideaki Tsuji (2015/4~)

2016 The Kyoto University Foundation Travel Grant

2016 EULAR Travel Award

Tsuji et al, **Sci Rep.** 2017 (Publication#65)

Ryosuke Hiwa (2015/4~)

Hiwa et al, **J Rheum.** 2017

2016 JCR International Workshop Award

Nobuo Kuramoto (2015/4~)

Kuramoto et al, **Sci Rep.** 2017 (Publication#66)

2016 JCR International Workshop Award

2016 The Kyoto University Foundation Travel Grant

Reviewer for Journals

Annals of Internal Medicine
Annals of the Rheumatic Diseases
Arthritis and Rheumatology
Autoantibodies
BMC Medicine
BMJ Case Reports
Clinical Rheumatology
Endocrine Journal
Heart Vessels
Human Immunology
Hypertension
Immunology Letters
International Immunology
International Journal of Infectious Diseases
International Journal of Rheumatic Diseases
Journal of Human Genetics
Journal of Genetics
Journal of Rheumatology
Medicine
Modern Rheumatology
Modern Rheumatology Case Reports
Nature Reviews Rheumatology
PLoS ONE
Rheumatology (Oxford)
Rheumatology International
Scientific Reports

Honors and Awards

- 2009 GCOE Travel Award, Kyoto University
EULAR Travel Award, EULAR (European League Against Rheumatism) Congress 2009
- 2010 BD Japan Young Investigators' Travel Award, 14th International Congress of Immunology
- 2011 Kyoto University Young Investigator Step-up Grant
GCOE Travel Award, Kyoto University
EULAR Travel Award, EULAR (European League Against Rheumatism) Congress 2011
EULAR Abstract Award, EULAR (European League Against Rheumatism) Congress 2011
- 2012 GCOE Travel Award, Kyoto University
- 2013 Japan Rheumatism Foundation Travel Grant
The Kyoto University Foundation Travel Grant

The Kato Memorial Trust for Nambyo Research
Mochida Memorial Foundation for Medical and Pharmaceutical Research
Japan Intractable Diseases Research Foundation
Japan Research Foundation for Clinical Pharmacology
Outstanding presenter award at the 41st Annual Meeting of the Japan Society for Clinical Immunology
Nagao Takeshi NANBYO Research Foundation

- 2014 JCR 2014 International Workshop Award
APLAR 2014 travel award
Japan Rheumatism Foundation
APLAR AbbVie Best Abstract Award at the 16th Asia Pacific League of Associations for Rheumatology Congress
EULAR travel award, EULAR (European League Against Rheumatism) Congress 2014
The John Mung Advanced Program, Kyoto University
- 2015 Research Fellowship for study abroad, The Uehara Memorial Foundation
The 43rd KANAE Grant, The Kanae Foundation for the Promotion of Medical Science
- 2016 The Cardiovascular Research Fund, Tokyo, Japan
EULAR travel award, EULAR (European League Against Rheumatism) Congress 2016
APLAR 2016 travel award
Joint Usage/Research Program of Medical Research Institute Tokyo Medical and Dental University
Young Investigator Okamoto Award
- 2017 JCR (Japan College of Rheumatology) Young Investigator Award
Sakakibara Memorial Research Grant
Joint Usage/Research Program of Medical Research Institute Tokyo Medical and Dental University
JSHG (Japan Society of Human Genetics) Young Investigator Award

Honors and Awards for junior researchers during mentorship

- 2016 JCR 2014 International Workshop Award (to Ryosuke Hiwa)
JCR 2014 International Workshop Award (to Nobuo Kuramoto)
EULAR travel award, EULAR (European League Against Rheumatism) Congress 2016 (to Hideaki Tsuji)
The Kyoto University Foundation Travel Grant (to Ai Yaku)
The Kyoto University Foundation Travel Grant (to Nobuo Kuramoto)
The Kyoto University Foundation Travel Grant (to Hideaki Tsuji)

Funding Information

- 2011-2012 Genetic analysis of responsiveness to tocilizumab in rheumatoid arthritis
Kyoto University Young Investigator Step-up Grant
Role: PI
Annual Direct Cost: \$13,500
The major goal of this study is to determine genetic variation associated with responsiveness to tocilizumab, humanized anti-IL-6 receptor antibody, in rheumatoid arthritis.
Completed
- FY2013-FY2014 Integrative omics analysis for Takayasu arteritis
Grant-in-Aid for Young Scientists (B) from The Ministry of Education, Culture, Sports, Science and Technology
Role: PI
Annual Direct Cost: \$16,000
The major goal of this study is to detect critical gene, transcript, metabolite, protein, and pathway for the pathophysiology of Takayasu Arteritis.
Completed
- 2013-2014 Elucidation of pathophysiology of systemic sclerosis by analyzing PLD4-mutant or KO mice
The Kato Memorial Trust for Nambyo Research
Role: PI
Annual Direct Cost: \$20,000
The major goal of this study is to analyze fundamental mechanisms of systemic sclerosis by focusing on novel susceptibility gene to SSc, PLD4. We will assess immunological change in PLD4-mutant or –deficient mice.
Completed
- 2013-2014 Multi-ethnic genome-wide association study for Takayasu arteritis
Mochida Memorial Foundation for Medical and Pharmaceutical Research
Role:PI
Annual Direct Cost: \$30,000
The major goal of this study is to perform multi-ethnic genome-wide association study for Takayasu arteritis to elucidate genetic background of Takayasu arteritis. We are planning to perform GWAS using Asian and Caucasian population.
Completed
- 2013-2014 Functional analysis of susceptibility gene to Takayasu arteritis and develop novel therapy for Takayasu arteritis
Japan Intractable Diseases Research Foundation
Role:PI

Annual Direct Cost: \$20,000

The major goal of this study is to perform which genes of the susceptibility region on chromosome 17 to Takayasu arteritis is responsible to the disease susceptibility and conduct a clinical study to apply new therapy for this intractable disease based on GWAS results.

Completed

2013-2015

Prospective study to prevent anti-thyroid drug-induced agranulocytosis in Graves' disease
Japan Research Foundation for Clinical Pharmacology

Role:PI

Annual Direct Cost:\$10,000

The major goal of this study is to develop algorithm to prevent anti-thyroid drug-induced agranulocytosis in Graves' disease based on genetic data and initiate a prospective study.

Completed

2013-2014

Identifying susceptibility genes to connective tissue disease-associated pulmonary arterial hypertension through multi-ethnic meta-analysis of systemic sclerosis

Nagao Takeshi NANBYO Research Foundation

Role:PI

Annual Direct Cost:\$10,000

The major goal of this study is to determine susceptibility genes or variants to pulmonary arterial hypertension in patients with connective tissue disease, especially systemic sclerosis by multi-ethnic meta-analysis of genome-wide association study.

Completed

2014-2015

Investigation of clinical importance of IL12/23 in patients with Takayasu arteritis and functional analysis of variants in IL12B.

Japan Rheumatism Foundation

Role:PI

Annual Direct Cost:\$10,000

The major goal of this study is to quantify levels of IL12 and IL23 in sera samples from patients with Takayasu arteritis to determine which cytokine plays a critical role in Takayasu arteritis and to analyze how variants in IL12B region contribute to basics in this disease.

Completed

2016-2017

Investigation of gut microbiota in patients with Takayasu arteritis

The Cardiovascular Research Fund, Tokyo, Japan

Role:PI

Annual Direct Cost:\$20,000

The major goal of this study is to analyze gut microbiota in patients with Takayasu arteritis and show similarities of microbiota to patients with Inflammatory Bowel Disease

especially ulcerative colitis which frequently develops with Takayasu arteritis.

Current

- FY2016-2017 Integrative omics analysis for Takayasu arteritis
Grant-in-Aid for Young Scientists (A) from The Ministry of Education, Culture, Sports, Science and Technology/ JSPS KAKENHI Grant Number JP16H06251
Role: PI
Annual Direct Cost: \$100,000
The major goal of this study is to clarify pathophysiology underlying rare autoimmune diseases by mainly genetic studies and to identify critical molecules and pathways of the diseases to develop novel therapeutic strategy.
- FY2016-2017 Why do patients with rheumatoid arthritis rarely develop DIP synovitis?
Grant-in-Aid for Challenging Exploratory Research from The Ministry of Education, Culture, Sports, Science and Technology/ JSPS KAKENHI Grant Number JP16K15513
Role: PI
Annual Direct Cost: \$17,000
The major goal of this study is to detect a mechanism underlying rheumatoid arthritis which determines distribution of joint synovitis in rheumatoid arthritis.
- FY2017-2018 Clarifying genetic similarities and differences between Takayasu arteritis and giant cell arteritis.
A Sakakibara Memorial Research Grant from The Japan Research Promotion Society for Cardiovascular Diseases
Role: PI
Annual Direct Cost: \$10,000
The major goal of this study is to analyze genetic characteristics of giant cell arteritis and compare genetic components between Takayasu arteritis and giant cell arteritis.

Invited Presentations

- 2011 Sep 15 'Identification and functional analyses of susceptibility genes to rheumatoid arthritis'
Annual Congress of The Japan Society for Clinical Immunology (Tokyo, Japan)
- 2013 July 2 'How much do genetic component determine rheumatoid arthritis? –disease onset and its disease phenotype'
The 34th Annual Meeting of the Japanese Society of Inflammation and Regeneration(Kyoto, Japan)
- 2013 Sep 28 'How much do genetic component determine rheumatoid arthritis? –disease onset and its disease phenotype'
Kyoto Rheumatoid Arthritis Network Forum (Kyoto, Japan)
- 2013 Nov 16 'Combination of HLA-class I and II alleles confer exponential increase in the risk for

antithyroid drug-induced agranulocytosis.’

The 56th Annual Congress of The Japan Society for Thyroid Disease (Wakayama, Japan)

2014 July 17 ‘Disease and phenotype-related HLA alleles and amino acids’

Keiji Immunity Hematology Seminar (Kyoto Japan)

2014 Oct 30 ‘HLA region and HLA amino acids related to diseases and phenotypes in autoimmune diseases’

Keiji Immunity Hematology Seminar (Kyoto Japan)

2016 Sep 22 ‘Clarification of pathophysiology and identification of treatment target of Takayasu arteritis by genetic studies.’

Awardee Ceremony for Young Investigator Okamoto Award (Tokyo, Japan)

2017 Sep 16 ‘HLA-B position 9 is associated with a specific rheumatoid arthritis subset defined by non-canonical serologies’

The 16th Yotsuya Seminar for Rheumatic and connective tissue diseases (Tokyo, Japan)

2017 Oct 13 ‘Clarification of pathophysiology in rare autoimmune diseases through genetic approach’

JCR Basic Research Conference (Tokyo, Japan)

2017 Nov 17 ‘Clarification of pathophysiology in rare autoimmune diseases and development of new treatment through genetic approach’

Awardee Ceremony for JSHG (Japan Society of Human Genetics) Young Investigator Award (Kobe, Japan)

Presentations (as presenter only)

2007 Apr 26 ‘*Aeromonas hydrophila* bacteremia after rituximab treatment in a patient with refractory systemic lupus erythematosus’

The 51st Annual General Assembly and Scientific Meeting of the Japanese College of Rheumatology (Tokyo, Japan) **Oral presentation**

2008 Apr 22 ‘Association between polymorphisms of TRAF1/C5 and rheumatoid arthritis in a Japanese population’

The 52nd Annual General Assembly and Scientific Meeting of the Japanese College of Rheumatology (Sapporo, Japan)

2008 Sep 20 ‘Association between HLA-DRB1 alleles and anti-CCP antibody in Japanese patients with rheumatoid arthritis’

Hiei RA forum (Kyoto, Japan) **Oral presentation**

2009 Jun 11 ‘Identification of a novel genetic determinant of rheumatoid arthritis at chromosome 18q by a genome-wide association study (GWAS) approach using large-scale Japanese cohorts’

European League Against Rheumatism (EULAR) Congress 2009 (Copenhagen, Denmark) **Oral presentation**

- 2009 Sep 26 'Identification of a novel genetic determinant of rheumatoid arthritis at chromosome 18q by a genome-wide association study (GWAS) approach using large-scale Japanese cohorts'
Annual Congress of The Japan Society of Human Genetics (Tokyo, Japan) **Oral presentation**
- 2009 Nov 1 'Identification of a novel genetic determinant of rheumatoid arthritis at chromosome 18q by a genome-wide association study (GWAS) approach using large-scale Japanese cohorts'
Kyoto University Global COE International symposium and retreat (Awaji, Japan) **Oral presentation**
- 2010 Aug 25 'A genome-wide association study identifies myelin basic protein as a susceptibility gene to rheumatoid arthritis in a Japanese population'
14th International Congress of Immunology (Kobe, Japan)
- 2011 May 27 'A HAPLOTYPE OF THE HUMAN AIRE GENE IS ASSOCIATED WITH THE RISK FOR RHEUMATOID ARTHRITIS IN JAPANESE POPULATION'
European League Against Rheumatism (EULAR) Congress 2011 (London, UK) **Oral presentation**
- 2011 Sep 9 'Serum IgG levels demonstrate seasonal change in connective tissue diseases: a large-scale analysis for four years in Japanese'
Kyoto University Global COE International symposium and retreat (Awaji, Japan)
- 2011 Sep 15 'A Large-Scale Association Study Identified Multiple HLA-DRB1 Alleles Associated with Anti-Citrullinated Peptide Antibody Negative Rheumatoid Arthritis in Japanese'
The 39th Annual Meeting of the Japan Society for Clinical Immunology (Tokyo, Japan)
- 2011 Nov 6 'A Large-Scale Association Study Identified Multiple HLA-DRB1 Alleles Associated with Anti-Citrullinated Peptide Antibody Negative Rheumatoid Arthritis in Japanese'
Annual Congress of American College of Rheumatology (Chicago, USA)
- 2011 Nov 28 'Serum IgG levels demonstrate seasonal change in connective tissue diseases: a large-scale analysis for four years in Japanese'
2011 Annual Meeting of the Japanese Society for Immunology (Chiba, Japan)
- 2012 Jun 9 'ACPA-NEGATIVE RHEUMATOID ARTHRITIS CONSISTS OF TWO GENETICALLY DISTINCT SUBSETS BASED ON RF POSITIVITY'
European League Against Rheumatism (EULAR) Congress 2012 (Berlin, Germany) **Selected for one of the official poster tours**
- 2012 Oct 25 'HLA region conferring levels of anti-nuclear antibody in a Japanese population'
The 57th Annual Meeting of the Japan Society of Human Genetics (Tokyo, Japan) **Oral presentation**
- 2012 Dec 6 'Three groups of joint synovitis in rheumatoid arthritis -analysis in KRAMA database'

2012 Annual Meeting of the Japanese Society for Immunology (Makuhari Messe, Chiba, Japan)

2013 Apr 18 'Prevalence of anti-nuclear antibody and impacts of age and sex on the antibody levels in a Japanese population -the Nagahama study.'

The 57th Annual General Assembly and Scientific Meeting of the Japanese College of Rheumatology (Kyoto, Japan) **Oral presentation**

2013 Apr 20 'Three susceptibility amino acids to Takayasu arteritis in HLA-B protein.'

The 57th Annual General Assembly and Scientific Meeting of the Japanese College of Rheumatology (Kyoto, Japan) **Oral presentation**

2013 Jun 13 'A NATIONWIDE STUDY OF SYSTEMIC LUPUS ERYTHEMATOSUS IN JAPANESE IDENTIFIED SUBGROUPS OF PATIENTS WITH CLEAR SIGNS/CLINICAL MARKER PATTERNS AND FOUND THAT PARTICULAR SIGNS/CLINICAL MARKERS ARE ASSOCIATED WITH AGE AND/OR SEX'

European League Against Rheumatism (EULAR) Congress 2013 (Madrid, Spain)

2013 Oct 25 'Two novel susceptibility loci to Takayasu arteritis and synergistic role of the IL12B and HLA-B regions in a Japanese population.'

ASHG (American Society of Human Genetics) 2013 Annual Meeting (Boston, USA)

2013 Nov 23 'Four polymorphisms in HLA-class I and II confer exponential increase in the risk for anti-thyroid drug-induced agranulocytosis'

The 58th Annual Meeting of the Japan Society of Human Genetics (Sendai, Japan) **Oral presentation**

2013 Nov 28 'Two novel susceptibility loci to Takayasu arteritis and synergistic role of the IL12B and HLA-B regions in a Japanese population.'

The 41st Annual Meeting of the Japan Society for Clinical Immunology (Shimonoseki, Japan) **Oral presentation**

2014 Apr 4 'Heterogeneous characteristics of staining patterns among ANA'

16th Asia Pacific League of Associations for Rheumatology Congress (APLAR) (Cebu, Philippine) **Oral presentation**

2014 Apr 25 'The limited effects of smoking and shared epitope on the production of ACPA and RF in a Japanese adult population: The Nagahama Study'

The 58th Annual General Assembly and Scientific Meeting of the Japanese College of Rheumatology (Tokyo, Japan)

2014 June 12 'ANTI-CITRULLINATED PEPTIDE/PROTEIN ANTIBODY (ACPA)-NEGATIVE RA SHARES LARGE PROPORTION OF SUSCEPTIBILITY GENES WITH ACPA-POSITIVE RA.'

European League Against Rheumatism (EULAR) Congress 2014 (Paris, France)

2014 Nov 16 'Takayasu Arteritis and Ulcerative Colitis –High Concurrence Ratio and Genetic Overlap'
Annual Congress of American College of Rheumatology (Boston, USA)

2014 Nov 22 'Ulcerative colitis is a major complication of Takayasu arteritis sharing genetic components especially HLA-B*52:01'

The 59th Annual Meeting of the Japan Society of Human Genetics (Tokyo, Japan) **Oral presentation**

2015 Nov 9 'Rheumatoid Factor Is Associated with the Distribution of Hand Joint Destruction in a Dose-Dependent Manner'

Annual Congress of American College of Rheumatology (San Francisco, USA)

2016 Jun 10 'FCGR2B AND MULTIPLE HLA LOCI ARE ASSOCIATED WITH SUSCEPTIBILITY TO IGG4-RELATED DISEASE.'

European League Against Rheumatism (EULAR) Congress 2016 (London, United Kingdom) **Oral presentation**

2016 Sep 28 'Genetic landscape of interactive effects of HLA-DRB1 alleles on susceptibility to rheumatoid arthritis in the Japanese population'

Asia Pacific League Against Rheumatism (APLAR) Congress 2016 (China, Shanghai) **Oral presentation**

2016 Oct 19 'Specific rheumatoid arthritis antibody subphenotypes are associated with unique HLA-DRB1 residues at position 11'

ASHG (American Society of Human Genetics) 2016 Annual Meeting (Vancouver, Canada)

2016 Nov 16 'Specific Antibody Subphenotypes in Rheumatoid Arthritis Are Associated with Unique HLA-DRB1 Residues at Position 11'

Annual Congress of American College of Rheumatology (Washington DC, USA) **Oral presentation**

2017 Feb 15 'Genome-wide association study revealed multiple associated loci with IgG4-related disease'

Third International Symposium on IgG4-RD and Fibrosis (Hawaii, USA) **Oral presentation**

2017 Jun 15 'TRANS-ETHNIC META-ANALYSIS OF GENOME-WIDE ASSOCIATION STUDIES IDENTIFIES GSDMA AND PRDM1 AS SUSCEPTIBILITY GENES TO SYSTEMIC SCLEROSIS.'

European League Against Rheumatism (EULAR) Congress 2017 (Madrid, Spain) **Selected for one of the official poster tours**

Patent

USE OF MYELIN BASIC PROTEIN AS A NOVEL GENETIC FACTOR FOR RHEUMATOID ARTHRITIS

WO Patent 2,012,144,512

Bibliography (* as corresponding author, ** as equal contributor)

Original Research

1. Kyogoku C, Morinobu A, Nishimura K, Sugiyama D, Hashimoto H, Tokano Y, Mimori T, Terao C, Matsuda F, Kuno T, Kumagai S.

Lack of association between tyrosine kinase 2 (TYK2) gene polymorphisms and susceptibility to SLE in a Japanese population.

Mod Rheumatol. 2009;19(4):401-6.

2. Kochi Y, Okada Y, Suzuki A, Ikari K, Terao C, Takahashi A, Yamazaki K, Hosono N, Myouzen K, Tsunoda T, Kamatani N, Furuichi T, Ikegawa S, Ohmura K, Mimori T, Matsuda F, Iwamoto T, Momohara S, Yamanaka H, Yamada R, Kubo M, Nakamura Y, Yamamoto K.

A regulatory variant in CCR6 is associated with rheumatoid arthritis susceptibility.

Nat Genet. 2010;42(6):515-9.

3. Ohmura K, Terao C, Maruya E, Katayama M, Matoba K, Shimada K, Murasawa A, Honjo S, Takasugi K, Tohma S, Matsuo K, Tajima K, Yukawa N, Kawabata D, Nojima T, Fujii T, Yamada R, Saji H, Matsuda F, Mimori T.

Anti-citrullinated peptide antibody-negative RA is a genetically distinct subset: a definitive study using only bone-erosive ACPA-negative rheumatoid arthritis.

Rheumatology (Oxford). 2010;49(12):2298-304.

4. Terao C, Yamada R, Ohmura K, Takahashi M, Kawaguchi T, Kochi Y; Human Disease Genomics Working Group; RA Clinical and Genetic Study Consortium, Okada Y, Nakamura Y, Yamamoto K, Melchers I, Lathrop M, Mimori T, Matsuda F.

The human AIRE gene at chromosome 21q22 is a genetic determinant for the predisposition to rheumatoid arthritis in Japanese population.

Hum Mol Genet. 2011;20(13):2680-5.

5. Takeda N, Nojima T, Terao C, Yukawa N, Kawabata D, Ohmura K, Usui T, Fujii T, Ito Y, Iinuma Y, Mimori T.

Interferon-gamma release assay for diagnosing Mycobacterium tuberculosis infections in patients with systemic lupus erythematosus.

Lupus. 2011;20(8):792-800.

6. Meziani R, Yamada R, Takahashi M, Ohigashi K, Morinobu A, Terao C, Hiratani H, Ohmura K, Yamaguchi M, Nomura T, Vasilescu A, Kokubo M, Renault V, Hirosawa K, Ratanajaraya C, Heath S, Mimori T, Sakaguchi S, Lathrop M, Melchers I, Kumagai S, Matsuda F.

A trans-ethnic genetic study of rheumatoid arthritis identified FCGR2A as a candidate common risk factor in Japanese and European populations.

Mod Rheumatol. 2012;22(1):52-8.

7. Terao C, Ohmura K, Katayama M, Takahashi M, Kokubo M, Diop G, Toda Y, Yamamoto N; Human

Disease Genomics Working Group; Rheumatoid Arthritis (RA) Clinical and Genetic Study Consortium, Shinkura R, Shimizu M, Gut I, Heath S, Melchers I, Manabe T, Lathrop M, Mimori T, Yamada R, Matsuda F.

Myelin basic protein as a novel genetic risk factor in rheumatoid arthritis—a genome-wide study combined with immunological analyses.

PLoS One. 2011;6(6):e20457.

8. Terao C, Ohmura K, Kochi Y, Ikari K, Maruya E, Katayama M, Shimada K, Murasawa A, Honjo S, Takasugi K, Matsuo K, Tajima K, Suzuki A, Yamamoto K, Momohara S, Yamanaka H, Yamada R, Saji H, Matsuda F, Mimori T.

A large-scale association study identified multiple HLA-DRB1 alleles associated with ACPA-negative rheumatoid arthritis in Japanese subjects.

Ann Rheum Dis. 2011;70(12):2134-9.

9. Terao C*, Ohmura K, Yamamoto K, Yukawa N, Kawabata D, Nojima T, Fujii T, Mimori T.

Serum IgG levels demonstrate seasonal change in connective tissue diseases: a large-scale, 4-year analysis in Japanese.

Mod Rheumatol. 2012;22(3):426-30.

10. Terao C*, Ikari K, Ohmura K, Suzuki T, Iwamoto T, Takasugi K, Saji H, Taniguchi A, Momohara S, Yamanaka H, Matsuda F, Mimori T.

Quantitative effect of HLA-DRB1 alleles to ACPA levels in Japanese rheumatoid arthritis: no strong genetic impact of shared epitope to ACPA levels after stratification of HLA-DRB1*09:01.

Ann Rheum Dis. 2012;71(6):1095-7.

11. Okada Y, Shimane K, Kochi Y, Tahira T, Suzuki A, Higasa K, Takahashi A, Horita T, Atsumi T, Ishii T, Okamoto A, Fujio K, Hirakata M, Amano H, Kondo Y, Ito S, Takada K, Mimori A, Saito K, Kamachi M, Kawaguchi Y, Ikari K, Mohammed OW, Matsuda K, Terao C, Ohmura K, Myouzen K, Hosono N, Tsunoda T, Nishimoto N, Mimori T, Matsuda F, Tanaka Y, Sumida T, Yamanaka H, Takasaki Y, Koike T, Horiuchi T, Hayashi K, Kubo M, Kamatani N, Yamada R, Nakamura Y, Yamamoto K.

A Genome-Wide Association Study Identified AFF1 as a Susceptibility Locus for Systemic Lupus Erythematosus in Japanese.

PLoS Genet. 2012;8(1):e1002455.

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Meta-analysis identifies nine new loci associated with rheumatoid arthritis in the Japanese population.

Nat Genet. 2012;44(5):511-6.

13. Terao C*, Ohmura K, Ikari K, Kochi Y, Maruya E, Katayama M, Yurugi K, Shimada K, Murasawa A, Honjo S, Takasugi K, Matsuo K, Tajima K, Suzuki A, Yamamoto K, Momohara S, Yamanaka H, Yamada R, Saji H, Matsuda F, Mimori T.

ACPA-Negative RA Consists of Two Genetically Distinct Subsets Based on RF Positivity in Japanese.

PLoS One. 2012;7(7):e40067.

14. Myouzen K, Kochi Y, Okada Y, Terao C, Suzuki A, Ikari K, Tsunoda T, Takahashi A, Kubo M, Taniguchi A, Matsuda F, Ohmura K, Momohara S, Mimori T, Yamanaka H, Kamatani N, Yamada R, Nakamura Y, Yamamoto K.

Functional Variants in NFKBIE and RTKN2 Involved in Activation of the NF- κ B Pathway Are Associated with Rheumatoid Arthritis in Japanese.

PLoS Genet. 2012 Sep;8(9):e1002949.

15. Terao C*, Ohmura K, Kawaguchi Y, Nishimoto T, Kawasaki A, Takehara K, Furukawa H, Kochi Y, Ota Y, Ikari K, Sato S, Tohma S, Yamada R, Yamamoto K, Kubo M, Yamanaka H, Kuwana M, Tsuchiya N, Matsuda F, Mimori T.

PLD4 as a novel susceptibility gene for systemic sclerosis in a Japanese population.

Arthritis Rheum. 2013 Feb;65(2):472-80.

16. Terao C*, Hashimoto M, Yamamoto K, Murakami K, Ohmura K, Nakashima R, Yamakawa N, Yoshifuji H, Yukawa N, Kawabata D, Usui T, Yoshitomi H, Furu M, Yamada R, Matsuda F, Ito H, Fujii T, Mimori T. Three Groups in the 28 Joints for Rheumatoid Arthritis Synovitis - Analysis Using More than 17,000 Assessments in the KURAMA Database.

PLoS One. 2013;8(3):e59341.

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Genome-Wide Association Study and Gene Expression Analysis Identifies CD84 as a Predictor of Response to Etanercept Therapy in Rheumatoid Arthritis.

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