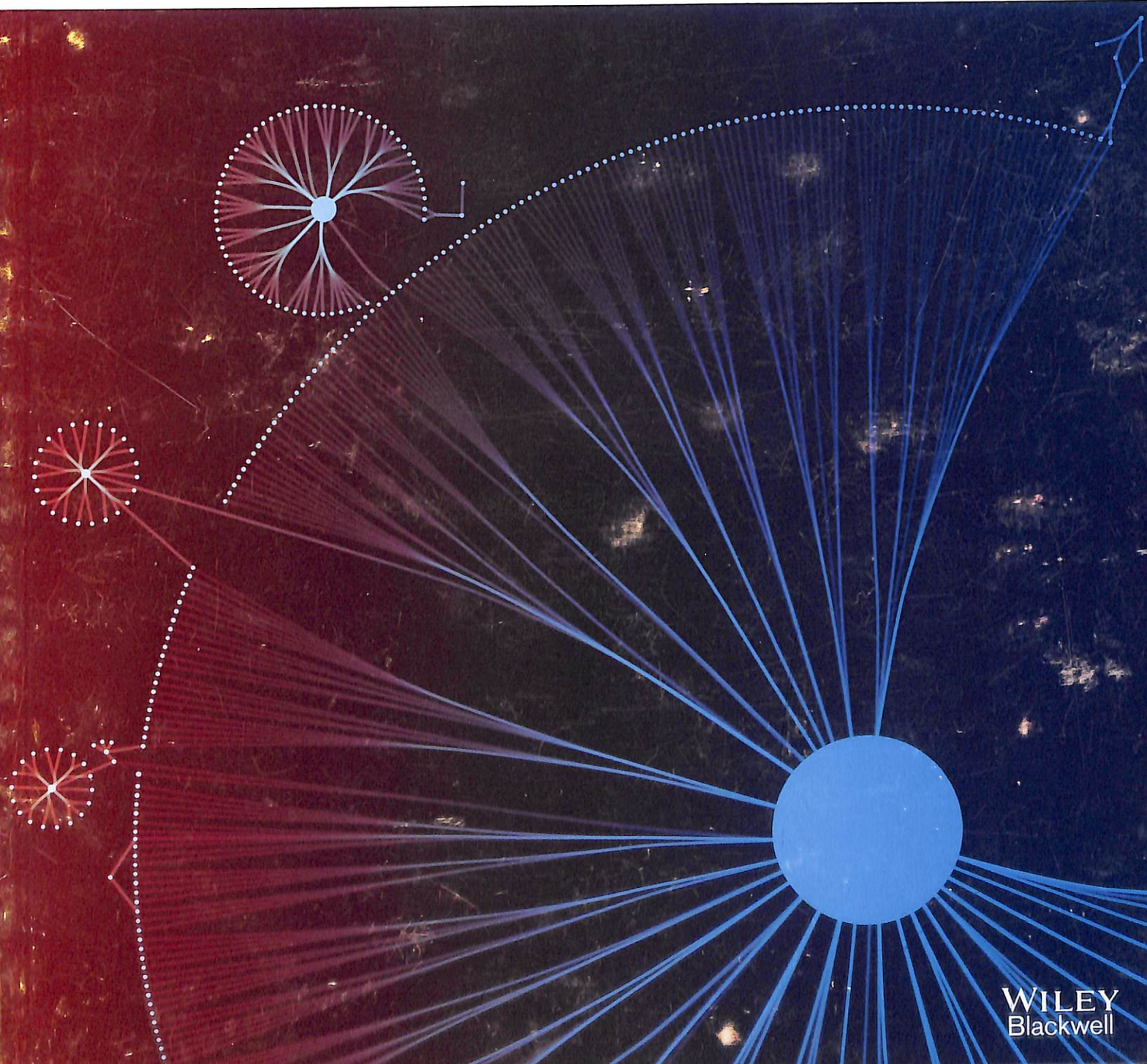




# HLA

## Immune Response Genetics

The official journal of the European Federation for Immunogenetics



# HLA

## Immune Response Genetics

SUBSCRIBED



### Contents

January 2016 Volume 87 Number 1

#### Editorial

- 3 Editorial *Steven GE Marsh*

#### Review Article

- 5 Innate lymphoid cells and the MHC *M. L. Robinette and M. Colonna*

#### Original Articles

- 13 Association of HLA-DRB1 alleles with susceptibility to mixed connective tissue disease in Polish patients  
*A. Paradowska-Gorycka, B. Stypińska, M. Olesińska, A. Felis-Giemza, M. Mańczak, Z. Czuszyńska, Z. Zdrojewski, J. Wojciechowicz and M. Jurkowska*
- 19 Association of HLA-DQ alleles with the presence of an anti- $\beta_2$ -glycoprotein I antibody in patients with recurrent miscarriage  
*X. Chen, P.-Y. Liang, G-G. Li, L-H. Diao, C-C. Liu, C-Y. Huang, T-H. Wu, J. Xu and Y. Zeng*
- 25 The profile of HLA-DRB1 alleles in Arabs with type 1 diabetes; meta-analyses  
*A. R. Hamzeh, P. Nair and M. T. Al Ali*

#### Brief Communication

- 31 Detection of 549 new HLA alleles in potential stem cell donors from the United States, Poland and Germany  
*C. J. Hernández-Frederick, N. Cereb, A. S. Giani, J. Ruppel, A. Maraszek, J. Pingel, J. Sauter, A. H. Schmidt and S. Y. Yang*

#### New Allele Alerts

- 36 *HLA-A\*02:06:21*, a novel variant of *HLA-A\*02:06*, discovered in a Taiwanese bone marrow hematopoietic stem cell donor  
*K. L. Yang, J. Ng, A. Lazaro, J. H. Hung and P. Y. Lin*
- 37 Identification of a novel *HLA-A\*02* allele, *HLA-A\*02:432*, in a Chinese individual  
*S.-Z. Jin, Z. Li and H.-Y. Zou*
- 39 Description of two new HLA-A alleles, *HLA-A\*02:572* and *HLA-A\*03:225*  
*A. Balas, F. García-Sánchez and J. L. Vicario*
- 40 Identification of a novel *HLA-A\*02* variant, *HLA-A\*02:586*, in a Taiwanese bone marrow hematopoietic stem cell donor  
*K. L. Yang, J. Ng, A. Lazaro, J. H. Hung and P. Y. Lin*

- 41 A novel allele *HLA-A\*11:152* was identified by sequence-based typing in a Chinese individual  
G. Shen, W. Qiang, Y.-Y. Zhu, J. Zou, G.-J. Liu, L. Yao and J.-P. Yin
- 43 Genomic full-length sequence of two HLA-A alleles, *A\*23:01:01* and *A\*24:02:01:01*, identified by cloning and sequencing  
S. X. Wang, Y. P. Xu and H. Zhang
- 46 Genomic full-length sequence of two HLA-A alleles, *A\*24:03:01* and *A\*24:07:01*, identified by cloning and sequencing  
Y. P. Xu and S. X. Wang
- 49 A further *HLA-A\*23* family allele—*HLA-A\*23:68*  
J. Street, A. J. Lemin and C. Darke
- 50 The new *HLA-A\*24:321* shows one conservative amino acid replacement compared with *HLA-A\*24:02:01*  
M. Azkarate, S. Santos, C. Eguizabal, A. Balas and J. L. Vicario
- 51 *HLA-B\*35:168*, a novel HLA allele identified in a Chinese platelet donor  
X.-F. Li, G.-J. Li, X. Zhang and J.-P. Li
- 53 *HLA-B\*40:306*, a novel variant of *HLA-B\*40*, discovered in a Taiwanese bone marrow hematopoietic stem cell donor  
K. L. Yang, J. H. Hung and P. Y. Lin
- 54 A single nucleotide insertion in Exon 3 produces a novel *HLA-B\*58* null allele, *HLA-B\*58:72N*  
K. L. Yang, J. H. Hung and P. Y. Lin
- 55 A novel HLA-C null allele, *HLA-C\*08:121N*  
X. Zhang and E. F. Reed
- 57 Correction of the *HLA-DQB1\*04:01:01* sequence at position 79 in exon 1  
Y. Okudaira, K. Hosomichi, Y. Ozaki, T. Shiina and S. Mitsunaga
- 58 Description of a novel HLA-DQB1 allele, *HLA-DQB1\*06:126*, in the Saudi stem cell donor registry  
H. A. Fakhoury, M. Alzahrani, A. S. Alaskar and A. H. Hajeer
- 60 A nucleotide insertion in Exon 2 is responsible for a new HLA-DRB1 null allele, *HLA-DRB1\*14:166N*  
M. Testi, M. Troiano, E. Paladini, A. Di Luzio and M. Andreani
- 61 A novel HLA-DRB1 allele, *DRB1\*15:66:02* was identified in a Chinese potential donor by sequence-based typing  
X.-M. Nie, Y. Zhang, W.-B. Qiao, C.-F. Zhu and Y.-R. Zhao
- 63 Increasing polymorphism of the RAET1E/ULBP4 gene in humans  
H. Pearson, J. Alejandro Madrigal, A. Saudemont and S. T. Cox

# HLA

## Immune Response Genetics

SUBSCRIBED



### Contents

February 2016 Volume 87 Number 2

#### Review Article

- 69 What is wrong with the regulatory T cells and foetomaternal tolerance in women with recurrent miscarriages? *M. H. C. Craenmehr, S. Heidt, M. Eikmans and F. H. J. Claas*

#### Original Articles

- 79 Immunogenetics of prostate cancer and benign hyperplasia – the potential use of an HLA-G variant as a tag SNP for prostate cancer risk *F. M. B. Zambra, V. Biolchi, C. C. S. de Cerqueira, I. S. Brum, E. C. Castelli and J. A. B. Chies*
- 89 Pre-transplant soluble CD30 in combination with total DSA but not pre-transplant C1q-DSA predicts antibody-mediated graft loss in presensitized high-risk kidney transplant recipients *S. M. Schaefer, C. Süsal, G. Opelz, B. Döhler, L. E. Becker, K. Klein, S. Sickmüller, R. Waldherr, S. Macher-Goeppinger, P. Schemmer, J. Beimler, M. Zeier and C. Morath*

#### New Allele Alerts

- 100 Characterization of the novel *HLA-A\*02:431* allele identified in a Chinese Han individual *J.-X. Zhen and H. Liang*
- 101 Identification of a new *HLA-A\*24* allele, *A\*24:309*, in an Italian bone marrow donor *R. Sciarrino, A. L. Putignano, C. Biagini, G. Rombolà and M. Curcio*
- 102 Identification of the novel *HLA-B\*07:261* allele *L. Brunet, D. Mouron, J. Villard, J.-M. Tiercy and S. Buhler*
- 103 A novel allele, *HLA-B\*15:259*, was identified in a Taiwanese individual by sequence-based typing *C. L. Chang and C. Y. Lin*
- 104 A novel null HLA-B allele, *B\*15:375N*, due to a seven base pair deletion within exon 3 *D. Planelles, A. Balas, C. Muñoz, N. Puig and J. L. Vicario*
- 106 A novel HLA-B allele, *HLA-B\*35:254*, identified by sequence-based typing from a HIV-associated tuberculosis sufferer *W.-X. Li, J.-A. Xia, M.-X. Yuan, G. Li and X. Wang*
- 107 A novel HLA-B allele, *HLA-B\*35:269* *X. Zhu, T. Yang, R. Tan, P. Su and Z. Li*
- 109 A novel *HLA-B\*37* allele, *HLA-B\*37:58*, identified in a Turkish family *C. Ibanez, M. Marie-Line, S. Canivet, P. Pellet and I. Ba*
- 110 Identification of a novel *HLA-B\*40* allele, *HLA-B\*40:324*, by sequence-based typing, in a Chinese individual *J. Zou, W. Qiang, G. Shen, Y. Y. Zhu, W. X. Li and G. J. Liu*

0381902807

111 Genomic sequence of *HLA-B\*41:43*, a new HLA-B allele generated by an intralocus recombination mechanism  
*S. Santos, M. Azkarate, C. Eguizabal, A. Balas and J. L. Vicario*

113 Description of the novel *HLA-DQB1\*02:02:01:02* allele in a Spanish individual  
*G. Montero-Martín, I. Cervera, A. Teniente-Serra, M. Fonolleda and J. Martínez-Laso*

115 Ten novel MHC class II alleles identified in cynomolgus macaques of Vietnamese origin  
*W. Wang, D.-D. He, S.-L. Mao, M. Zhuo and F. Ling*

**Nomenclature Updates**

117 Nomenclature for factors of the HLA system, update October 2015  
*Steven G. E. Marsh*

122 Nomenclature for factors of the HLA system, update November 2015  
*Steven G. E. Marsh*

126 Nomenclature for factors of the HLA system, update December 2015  
*Steven G. E. Marsh*

# HLA

## Immune Response Genetics



### Contents

March 2016 Volume 87 Number 3

#### Review Article

- 133 Back to the future: bacteriophages as promising therapeutic tools *P. Domingo-Calap, P. Georgel and S. Bahram*

#### Original Articles

- 141 Determining performance characteristics of an NGS-based HLA typing method for clinical applications *J. L. Duke, C. Lind, K. Mackiewicz, D. Ferriola, A. Papazoglou, A. Gasiewski, S. Heron, A. Huynh, L. McLaughlin, M. Rogers, L. Slavich, R. Walker and D. S. Monos*
- 153 HLA-E polymorphism and soluble HLA-E plasma levels in chronic hepatitis B patients *I. Zidi, A. B. Laaribi, D. Bortolotti, M. Belhadj, A. Mehri, H. B. Yahia, W. Babay, H. Chaouch, N. Zidi, A. Letaief, S. Yacoub, J. Boukadida, D. Di Luca, N. Hannachi and R. Rizzo*

#### Brief Communication

- 160 Association of rs6822844 within the KIAA1109/TENR/IL2/IL21 locus with rheumatoid arthritis in the Algerian population *S. Louahchi, I. Allam, N. Raaf, L. Berkani, A. Boucharef, A. Abdessemed, N. Khaldoun, N. Bahaz, A. Ladjouze-Rezig, A. Nebbab, M. Ghaffor and R. Djidjik*

#### New Allele Alerts

- 165 Identification of two novel HLA-A alleles, *HLA-A\*03:181* and *HLA-A\*03:229* in Chinese individuals *S.-D. Tao, N.-Y. Chen, L.-N. Dong, J. He and F.-M. Zhu*
- 166 Discovery of *HLA-A\*11:01:69*, a novel *HLA-A\*11:01* variant, in a Taiwanese hematopoietic stem cell donor *E. K. L. Yang, J. H. Hung and P. Y. Lin*
- 168 A new HLA-A allele, *HLA-A\*11:120*, sequenced in a Chinese hematopoietic stem cell donor *X. Zhang, G.-J. Li, X.-F. Li, H. Fan and J.-P. Li*
- 170 *HLA-A\*11:231*, a novel variant of *HLA-A\*11*, found in a Taiwanese hematopoietic stem cell donor *K. L. Yang, J. H. Hung and P. Y. Lin*
- 171 *HLA-A\*24:02:96*, a novel variant of *HLA-A\*24:02:01:01*, identified in a Chinese individual by sequence-based typing *Y.-Y. Zhu, W. Qiang, G. Shen, J. Zou and G.-J. Liu*
- 173 Two novel HLA-A alleles: *A\*24:258* and *A\*24:305* were identified in Chinese individuals *J.-J. He, N.-Y. Chen, L.-N. Dong, J. He and F.-M. Zhu*

- 175 Identification of a new HLA-B allele, *HLA-B\*15:300*, in a Chinese individual  
*W.-X. Li, J.-A. Xia, Y. Mao, G. Li and G. Shen*
- 176 A novel *HLA-B\*15* allele, *HLA-B\*15:326*, was identified in a Chinese bone marrow donor  
*N.-Y. Chen, W. Zhang, J.-J. He, J. He and F.-M. Zhu*
- 178 Discovery of *HLA-B\*35:307*, a novel *HLA-B\*35* variant, in a Taiwanese hematopoietic stem cell donor  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 179 *HLA-B\*40:01:44*, a novel variant of *HLA-B\*40:01*, discovered in a Taiwanese hematopoietic stem cell donor  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 180 Identification of a novel *HLA-B\*54:34* allele by polymerase chain reaction sequence-based typing in a Chinese leukemia patient  
*Z.-D. Han, L.-N. Dong, W. Wang, J. He and F.-M. Zhu*
- 182 Discovery of *HLA-B\*55:02:10*, a novel *HLA-B\*55:02* variant, in a Taiwanese hematopoietic stem cell donor  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 183 A novel allele, *HLA-B\*55:70* was identified in a Chinese cord blood donor  
*W. Wang, N.-Y. Chen, L.-N. Dong, J. He and F.-M. Zhu*
- 185 A novel allele, *HLA-B\*55:77*, identified by sequence-based typing in a Chinese individual  
*W. Qiang, G. Shen, Y.-Y. Zhu and J. Zou*
- 186 Identification of a novel HLA-C allele, *HLA-C\*03:313*, in a Japanese individual  
*S. Suzuki, T. Sato, H. Akatsuka, M. Kimura and T. Shiina*
- 187 Detection of *HLA-C\*04:212*, a novel *HLA-C\*04* variant, in a Taiwanese hematopoietic stem cell donor  
*E. K. L. Yang, J. Ng, A. Lazaro, J. H. Hung and P. Y. Lin*
- 189 Identification of a novel *HLA-C\*16* variant, *HLA-C\*16:90*, in a Chinese individual  
*B. Liu, P. Yang, Z. Ma, Y. Ma and X. Sheng*
- 190 A novel HLA-DRB1 allele, *HLA-DRB1\*12:48*  
*X. Zhu, T. Yang, R. Tan, P. Su and H. Gao*
- 191 Description of the novel *KIR2DL4\*035* allele identified using high-throughput sequencing  
*C. Alicata, C. Bottino, L. A. Guethlein, P. Parham and P. J. Norman*

# HLA

## Immune Response Genetics



### Contents

April 2016 Volume 87 Number 4

---

#### Abstracts for the 30th European Immunogenetics and Histocompatibility Conference, Kos Island, Greece, May 11–14, 2016

<b>Abstracts for Oral Presentation</b>		<b>201</b>
Best Abstracts	01 to 09	201
Immunogenetics in Organ Transplantation I	010 to 018	205
Immunogenetics in Hematopoietic Stem Cell Transplantation	019 to 027	209
Bioinformatics in Immunogenetics	028 to 036	213
Peptide-MHC-TCR interactions/Functional studies	037 to 045	216
New Technologies in Immunogenetics, KIRs and other non MHC polymorphisms	046 to 054	219
Immunogenetics in Organ Transplantation II	055 to 063	223
MHC Evolution, Anthropology, Population Genetics	064 to 072	227
Immunogenetics in Autoimmunity, Infection and Cancer	073 to 081	231
<b>Abstracts for Poster Presentation</b>		<b>236</b>
Immunogenetics in Organ Transplantation	P1 to P65	236
Immunogenetics in Hematopoietic Stem Cell Transplantation	P66 to P85	261
Bioinformatics in Immunogenetics	P86 to P101	269
New Technologies in Immunogenetics	P102 to P127	276
NK cell and other non-MHC gene polymorphisms	P128 to P134	286



MHC evolution, Anthropology, Population Genetics	P135 to P176	289
Immunogenetics in Reproduction, Autoimmunity, Infection and Cancer	P177 to P208	305
Miscellaneous	P209 to P215	318
<b>Author Index</b>		<b>321</b>
Author Index		321



# HLA

## Immune Response Genetics



### Contents

May 2016 Volume 87 Number 5

#### Obituary

- 333 Paul Ichiro Terasaki (1929–2016): Inventor of the microcytotoxicity assay and pioneer tissue typer

*W. F. Bodmer*

#### Review Article

- 338 Julia Bodmer Award Review 2015: Expression of classical HLA class I molecules: regulation and clinical impacts

*C. René, C. Lozano and J.-F. Eliaou*

#### Original Articles

- 350 Conflicting HLA assignment by three different typing methods due to the apparent loss of heterozygosity in the MHC region

*T. Linjama, Ü. Impola, R. Niittyvuopio, O. Kuittinen, A. Kaare, J. Rimpiläinen, L. Volin, J. Peräsaari, T. Jaatinen, J. Lauronen, T. Saarinen, E. Juvonen, J. Partanen and S. Koskela*

- 356 Many *de novo* donor-specific antibodies recognize  $\beta_2$ -microglobulin-free, but not intact HLA heterodimers

*K. Michel, R. Santella, J. Steers, A. Sahajpal, F. X. Downey, V. Thohan and M. Oaks*

- 367 Human leukocyte antigen class II (DRB1 and DQB1) alleles and haplotypes frequencies in patients with pemphigus vulgaris among the Serbian population

*D. Zivanovic, S. Bojic, L. Medenica, Z. Andric and D. Popadic*

#### Brief Communication

- 375 KIR genotypic diversity in Portuguese and analysis of KIR gene allocation after allogeneic hematopoietic stem cell transplantation

*D. Ligeiro, S. Buhler, M. Abecasis, O. Abade, A. Sanchez-Mazas, M. Gomes da Silva and H. Trindade*

#### New Allele Alerts

- 381 Identification of the novel *HLA-A\*01:200* allele by sequence-based typing in a Croatian individual

*M. Maskalan, Z. Grubic, K. Stingl Jankovic, B. Golubic Cepulic and R. Zunec*

- 382 *HLA-A\*02:513*, a novel *HLA-A\*02* allele

*Y. F. Pei, H. N. Huang, H. C. Li and W. D. Shen*

- 384 A novel *HLA-A\*02* allele, *A\*02:543* was identified by polymerase chain reaction sequence-based typing in a Chinese cord blood donor

*L.-N. Dong, N.-Y. Chen, W. Zhang, J. He and F.-M. Zhu*

- 385 Identification of a novel *HLA-A\*02* variant, *HLA-A\*02:610*, in a Taiwanese individual

*K. L. Yang, J. H. Hung and P. Y. Lin*

- 387 Identification of a novel HLA-A allele, *A\*11:209* by sequence-based high-resolution typing in an HIV-infected individual  
*G. Ou, J. Wang, X. Ji, Q. Chen and Z. Liu*
- 388 Identification of a novel allele, *HLA-A\*24:02:50*, by sequence-based typing  
*J.-P. Li, X.-F. Li, X. Zhang, F.-Q. Lin and K.-L. Zhang*
- 390 *HLA-A\*24:334*, a novel variant of *HLA-A\*24*, discovered in a Taiwanese individual  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 391 *HLA-A\*33:102*, a novel allele identified by sequence-based typing in cord blood from a Korean woman  
*K. M. Kim, O. J. Han, M. S. Kang and J. Y. Huh*
- 392 *HLA-B\*40:167*, a novel allele, identified in a Chinese individual  
*X.-F. Li, X. Zhang, F.-Q. Lin, K.-L. Zhang and J.-P. Li*
- 394 *HLA-B\*40:326*, a novel variant of *HLA-B\*40*, discovered in a Taiwanese blood donor  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 395 *HLA-B\*40:327*, a novel *HLA-B\*40* variant, discovered in a Taiwanese blood donor  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 397 *HLA-B\*46:65*, a novel *HLA-B\*46* variant, detected in a Taiwanese unrelated bone marrow stem cell donor  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 398 Discovery of *HLA-B\*58:77*, a novel *HLA-B\*58* variant, in a Taiwanese blood donor  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 400 Identification of the novel *HLA-B\*52:42* allele by polymerase chain reaction sequence-based typing in a Chinese bone marrow donor  
*N.-Y. Chen, L.-N. Dong, W. Zhang, J. He and F.-M. Zhu*
- 402 *HLA-C\*06:04:02* a novel HLA-C allele isolated from donors of Southern African descent  
*B. L. Shepherd, R. Ferrand, S. Rowland-Jones and L.-M. Yindom*
- 403 A novel allele *HLA-C\*07:445* identified in a French hematopoietic stem cell donor  
*F. Delbos, E. Poulet, M. Guillot, B. Pare and H. Ansart-Pirenne*
- 404 *HLA-C\*07:486*, a novel *HLA-C\*07* variant, detected in a Taiwanese individual  
*K. L. Yang, J. H. Hung and P. Y. Lin*
- 406 Detection of *HLA-DRB1\*04:207*, a novel *HLA-DRB1\*04* variant, in a Taiwanese hematopoietic stem cell donor  
*K. L. Yang, J. H. Hung, C. P. Chen and P. Y. Lin*
- 407 Identification of a novel *HLA-DRB1\*14* allele, *HLA-DRB1\*14:150*, in a Chinese individual  
*Y. F. Pei, H. N. Huang, H. C. Li and W. D. Shen*

# HLA

## Immune Response Genetics



### Contents

June 2016 Volume 87 Number 6

#### Obituary

411 Obituary

*B. K. Jakobsen and E. Dickmeiss*

#### Review Article

413 Impact of HLA in cord blood transplantation outcomes

*A. Ruggeri, A. Pavigianiti, E. Gluckman and V. Rocha*

#### Original Articles

422 The effect of missing KIR ligands, activating KIR genotype and haplotype on the outcome of T-cell-replete hematopoietic stem cell transplantation from HLA-identical siblings in Thai patients

*S. Khanuntong, P. Kuptawintu, K. Upaisilpsathaporn, A. Poolchareon, U. Bunworasate and N. Hirankarn*

432 Dual role of the CXCL12 polymorphism in patients with chronic lymphocytic leukemia

*A. Butrym, K. Gebura, M. Iwaszko, K. Kuliczkowski, K. Bogunia-Kubik and G. Mazur*

439 A comparative reference study for the validation of HLA-matching algorithms in the search for allogeneic hematopoietic stem cell donors and cord blood units

*W. Bochtler, L. Gragert, Z. I. Patel, J. Robinson, D. Steiner, J. A. Hofmann, J. Pingel, A. Baouz, A. Melis, J. Schneider, H.-P. Eberhard, M. Oudshoorn, S. G. E. Marsh, M. Maiers and C. R. Müller*

#### Brief Communication

449 Analysis of association of *FOXO3* gene with *Trypanosoma cruzi* infection and chronic Chagasic cardiomyopathy

*D. A. Leon Rodriguez, C. I. González and J. Martin*

#### New Allele Alerts

453 A novel *HLA-A\*02* allele, *A\*02:436*, was identified by sequencing-based typing

*X.-Y. Chi, Z.-H. Feng, B. Hu and S.-X. Jiao*

454 Identification of a novel HLA-A allele, *HLA-A\*02:590*, in a Korean individual

*E. Jin Lee, M. Kim, Y.-A. Jung, H. Lee and Y. K. Lee*

455 Identification of a novel *HLA-A\*02* variant, *HLA-A\*02:614*, in a Taiwanese individual

*K. L. Yang, S.-P. Chen and P. Y. Lin*

456 *HLA-A\*11:235Q*, a novel *HLA-A\*11* variant, detected in a Taiwanese individual

*K. L. Yang, J. H. Hung and P. Y. Lin*

- 458 *HLA-A\*24:333*, a novel *HLA-A\*24* variant, discovered in a Taiwanese individual K. L. Yang, J. H. Hung and P. Y. Lin
- 459 *HLA-A\*33:03:31*, a novel variant of *HLA-A\*33:03*, discovered in a Taiwanese individual K. L. Yang, J. H. Hung and P. Y. Lin
- 461 A novel HLA-B allele, *HLA-B\*40:01:47* Y.-Y. Zhu, W. Qiang, G. Shen, J. Zou and Y.-Z. Jiang
- 462 *HLA-B\*46:40:02*, a novel *HLA-B\*46* allele identified in a Chinese individual by sequence-based typing J. Wang, X. Ji, G. J. Ou, P. C. Su and Z. Liu
- 464 A new HLA-B allele, *B\*52:44*, sequenced in a Chinese individual X. Wang, J. Wang, Y. Zhang, Q. Li and K. Ru
- 465 Identification of a novel *HLA-C\*03* variant, *C\*03:303*, by sequence-based typing in a Dai Chinese individual P. C. Su, J. Wang, X. Ji, H. L. Ma and Z. Liu
- 467 Detection of a novel *HLA-C\*07:341* variant, *HLA-C\*07:341:02*, in a Taiwanese hematopoietic stem cell donor K. L. Yang, J. H. Hung and P. Y. Lin
- 468 Identification of a novel HLA-C allele, *HLA-C\*07:477* in a Drung Chinese individual J. Wang, F. Z. Yao, X. Ji, X. M. Zhu and P. C. Su
- 470 *HLA-C\*16:01:01:02*, a recently isolated HLA class I allele from Southern Africa B. L. Shepherd, T. Bandason, R. Ferrand, S. Rowland-Jones and L.-M. Yindom
- 471 Isolation of full-length *HLA-C\*18:02* allele in an individual from Sub-Saharan Africa B. L. Shepherd, E. Dauya, R. Ferrand, S. Rowland-Jones and L.-M. Yindom
- 472 Identification of a novel *HLA-DRB1\*07* allele, *HLA-DRB1\*07:01:19* M.-R. Huo, B. Xi, Y. Yu and D. Li
- 473 Identification of the novel *HLA-DRB1\*12:50* allele by polymerase chain reaction sequence-based typing in a Chinese individual F. Qin, N.-Y. Chen, L.-N. Dong, J. He and F.-M. Zhu
- 475 Characterization of a new HLA-DRB1 allele: *DRB1\*14:172* V. Cappuzzo, F. Ingrassia, R. Bavetta, S. Mistretta and R. Marcenò
- 476 Identification of the novel *KIR2DL2\*00103* allele in a Chinese individual by sequence-based typing Y.-M. He, S.-D. Tao, L.-N. Dong, J. He and F.-M. Zhu

