



CIBMTR IMMUNOBIOLOGY WORKING COMMITTEE

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IB05-01s: Multiplexed genotyping of human minor histocompatibility antigens: Clinical relevance of mHAg disparity in HCT. (PI: T Ellis, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). **MS Prep**

R01-60: Use of HLA structure and function parameters to understand the relationship between HLA disparity and transplant outcomes. (PI: L. Baxter-Lowe, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). **Analysis**

R02-27: HLA matchmaker analysis of HCT outcome. (PI, R Duquesnoy, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). **MS Prep**

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| R03-65s: Detection of H-Y antibodies in healthy female donors: Does H-Y presensitization predict male HCT outcome. (PI, D Miklos, Statistician: F Kan, E-mail: fkan@nmdp.org). | MS Prep |
| R04-98s: The detection of donor-directed, HLA-specific alloantibodies in recipients of unrelated HCT and their relationship to graft/patient outcome. (PI: R Bray, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Ms Prep |
| R04-80s: Impact of HLA matching on outcome in pediatric patients undergoing unrelated umbilical cord blood transplantation. (PI: S Rodriguez-Marino, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Typing |
| IB05-02s: Effect of single MHC class I mismatch with numerous sequence differences on the clinical outcome of unrelated donor HCT. (PI: M Heemskerk, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Analysis |
| IB06-01: HLA disparity in unrelated bone marrow transplant donor-recipient pairs. (PIs: C Hurley, L Baxter-Lowe, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Protocol Development |
| IB06-02: Impact of mismatches in low expression HLA loci on the outcome of unrelated donor transplants. (PIs: M Fernandez-Vina, R Champlin, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Data File Prep |
| IB06-03/IB06-06: One antigen mismatched related versus HLA-matched unrelated donor HCT in patients with acute leukemia: Results in the era of molecular typing. (PIs: P Shaw, D Valcarel, J Sierra, Statistician: F Kan, E-mail: fkan@nmdp.org). | Protocol Development |
| IB06-04: Effect of age on outcome in patients undergoing related HLA mismatched/haploidentical stem cell transplantation. (PI: L Dong, Statistician: F Kan, E-mail: fkan@nmdp.org). | Protocol Development |
| IB06-05: Use of high-resolution HLA data from the NMDP for the International Histocompatibility Working Group in HCT. (PI: E Petersdorf, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Analysis |
| R03-70s: Candidate gene study to examine the impact of chemokine and chemokine receptor gene polymorphisms on the incidence and severity of acute and chronic GvHD. (PI: R Abdi, Statistician: F Kan, E-mail: fkan@nmdp.org). | Typing |
| R04-75s: Functional significance of cytokine gene polymorphisms in modulating risk of post-transplant complications. (PI: E Petersdorf, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | MS Prep |

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| IB05-03s: Genetic polymorphisms in the genes encoding human interleukin-7 receptor-α: Prognostic significance in allogeneic HCT. (PI: K Muller, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Typing |
| R02-40s: KIR reconstitution after unrelated HCT. (PI: J Miller, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Typing |
| R03-63s: The role of KIR and their HLA ligands in unrelated blood and marrow transplants: The genetics and heterogeneity of KIR genes and haplotypes in ethnically diverse donor-recipient transplant pairs. (PIs: E Trachtenberg, J Miller, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Typing |
| R04-74s: Functional significance of KIR-Ligand genes in HLA matched and mismatched unrelated HCT. (PIs: B Dupont, K Hsu, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Analysis |
| R04-76s: Identification of functional SNPs in unrelated HCT. (PI: E Petersdorf, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | MS Prep |
| IB06-07s: NOD2/CARD15 mutations in the donor or recipient increase the risk of acute GvHD and treatment-related mortality following allogeneic stem cell transplantation. (PIs: N Davidson, Y Nguyen, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Typing |
| IB06-08/ R03-58s: The role between certain HLA-B alleles and the development of gastrointestinal GVHD following matched unrelated donor transplantation. (PI: M Verneris, Statistician: M Haagenson, E-mail: mhaagens@nmdp.org). | Analysis |
| IB06-09s: Detection of HLA antibody to the mismatched antigen in single antigen HLA-mismatched unrelated donor transplants: Is it a predictor of Graft-versus-Host Disease outcome? (PIs: S Arai, D Miklos, Statistician: M Haagenson E-mail: mhaagens@nmdp.org). | Protocol Development |
| IB06-10: Evaluation of the impact of the exposure to Non-Inherited Maternal Antigens (NIMA) during fetal life and breast feeding and to the Inherited Paternal Antigens (IPA) during pregnancy on the clinical outcome of HCT from haploidentical family members. (PI: J van Rood, Statistician: F Kan, E-mail: fkan@nmdp.org). | Protocol Development |
| IB06-11s: The effect of Non-Inherited Maternal Antigens (NIMA) in cord blood transplantation. (PI: L Baxter-Lowe, Statistician: F Kan, E-mail: fkan@nmdp.org). | Protocol Development |
| IB07-01: Evaluation of HLA matching requirements for PBSC in unrelated hematopoietic stem cell transplantation. (PI: A Woolfrey, Statistician: M Haagenson E-mail: mhaagens@nmdp.org). | Protocol Development |

IB07-02: The Effect of HLA Mismatches at the Amino Acid Level on Hematopoietic Stem Cell Transplant Outcomes. (PI: S Marino, Statistician: TBD).

**Protocol
Development**

IB07-03: Analysis of Killer Immunoglobulin-Like Receptor (KIR) Ligands in Reduced Intensity Conditioning (RIC) Allogeneic Hematopoietic Stem Cell Transplantation (HSCT). (PI: R Sobecks, Statistician: D Wang, E-mail: dwang@nmdp.org).

**Protocol
Development**