

Publications ATIR101

Publications (full text & abstracts)

2016

Roy DC, Lachance S, Roy J et al. Donor lymphocytes depleted of alloreactive T-cells (ATIR101) improve overall survival and reduce transplant related mortality in a T-cell depleted haploidentical HSCT: Results from a Phase 2 trial in patients with AML and ALL. . Bone Marrow Transplant. (EBMT Annual Meeting Abstracts).2016;51 ([Abstract](#))

Mielke S, Maertens J, Selleslag D et al. Effect of graft on safety and efficacy in patients undergoing hematopoietic stem cell transplantation. Bone Marrow Transplant. (EBMT Annual Meeting Abstracts).2016;51 ([Abstract](#))([Poster](#))

Velthuis J, Klar R, Bonig H et al. Leukemia-associated antigen reactive T-cells in ATIR101, a recipient-specific allodepleted T-cell product facilitating haploidentical HSCT. Bone Marrow Transplant. (EBMT Annual Meeting Abstracts).2016;51 ([Abstract](#))([Poster](#))

Mielke S, Roy DC, Freudenthal R et al. An exploratory, open-label, multicenter study to evaluate safety and efficacy of a two-dose regimen of ATIR in patients with a hematologic malignancy, who receive a CD34-selected hematopoietic stem cell transplantation from a haploidentical donor. Bone Marrow Transplant. (EBMT Annual Meeting Abstracts).2016;51 ([Abstract](#))([Poster](#))

2015

Roy DC, Lachance S, Roy J, Walker I et al. Donor lymphocytes depleted of alloreactive T-cells (ATIR101) reduce transplant related mortality and improve overall survival in haploidentical HSCT for patients with AML and ALL, using an immunosuppressant-free transplant regimen. [abstract]. Blood (ASH Annual Meeting Abstracts).2015;126 ([Meeting Abstract](#))

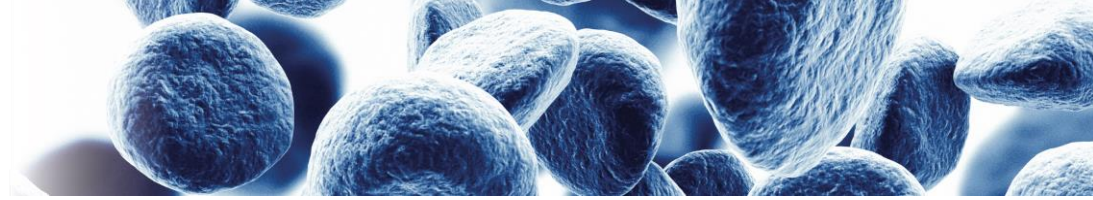
2014

Velthuis J, de Jong LA, Boumedine RS et al. Selective depletion of recipient-alloreactive T- cells while retaining viral-specific and memory T-cells enables safe and efficacious haplo- identical HSCT [abstract]. Blood (ASH Annual Meeting Abstracts). 2014;124 ([Meeting Abstract](#))

Velthuis J, de Jong LA, Boumedine RS et al. Selective depletion of recipient-alloreactive T- cells while retaining viral-specific and memory T-cells enables safe and efficacious haplo- identical HSCT [abstract]. Bone Marrow Transplant (EBMT Annual Meeting). 2014;49:S127- S128

Roy DC, Maertens J, Walker I et al. Selective Photodepletion of Recipient-Alloreactive T-Cells Enables Safe and Efficacious Haploidentical HSCT: Initial Results from a Phase 2 Trial in Patients with AML, ALL, and MDS [abstract]. Blood (ASH Annual Meeting Abstracts). 2014;124 ([Meeting Abstract](#))

Roy DC, Maertens J, Walker I et al. Selective Photodepletion of Recipient-Alloreactive T-Cells Enables Safe and Efficacious Haploidentical HSCT: Initial Results from a Phase 2 Trial in Patients with AML, ALL, and MDS [abstract]. Bone Marrow Transplant (EBMT Annual Meeting). 2014;49



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2013

Gerez L, Ruediger M, Roy D. Stem cell transplantation from haplo-identical donors. *Pharma Bio World* 11[12], 34-38. 2013 ([Link](#))

2012

Bastien JP, Roy J, Roy DC. Selective T-cell depletion for haplotype-mismatched allogeneic stem cell transplantation. *Semin Oncol.* 2012;39:674-682 ([PubMed](#))

Perruccio K, Topini F, Carotti A et al. Optimizing a photoallodepletion protocol for adoptive immunotherapy after haploidentical SCT. *Bone Marrow Transplant.* 2012;47:1196-1200 ([PubMed](#))

2011

Roy DC, Guerin M, Boumedine RS et al. Reduction in Incidence of Severe Infections by Transplantation of High Doses of Haploidentical T Cells Selectively Depleted of Alloreactive Units. *ASH Annual Meeting Abstracts.* 2011;118:3020 ([Meeting Abstract](#))

Mielke S, McIver ZA, Shenoy A et al. Selectively T cell-depleted allografts from HLA-matched sibling donors followed by low-dose posttransplantation immunosuppression to improve transplantation outcome in patients with hematologic malignancies. *Biol Blood Marrow Transplant.* 2011;17:1855-1861 ([PubMed](#))

2010

Bastien JP, Kros G, Therien C et al. Novel Photodepletion Strategy to Preserve and Expand Tregs While Eliminating CD4+ Effector T Cells From Patients with Chronic Graft-Versus-Host Disease [abstract]. *Blood (ASH Annual Meeting Abstracts).* 2010;116 ([Meeting Abstract](#))

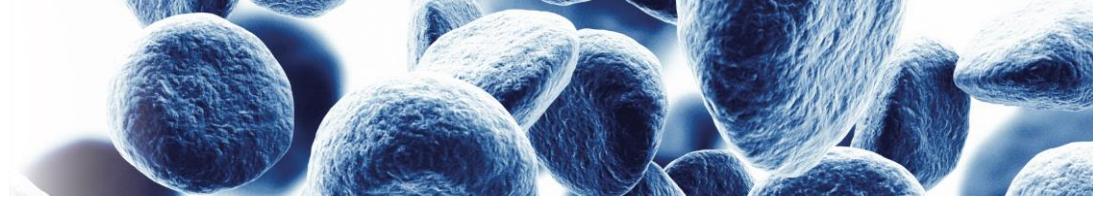
Bastien JP, Kros G, Therien C et al. Photodepletion differentially affects CD4+ Tregs versus CD4+ effector T cells from patients with chronic graft-versus-host disease. *Blood.* 2010;116:4859-4869 ([PubMed](#))

2009

Roy DC, Lachance S, Kiss T et al. Haploidentical Stem Cell Transplantation: High Doses of Alloreactive T-Cell Depleted Donor Lymphocytes Administered Post-Transplant Decrease Infections and Improve Survival without Causing Severe GvHD. *ASH Annual Meeting Abstracts.* 2009;114:512 ([Meeting Abstract](#))

Roy D, Lachance S, Kiss T et al. Alloreactive T-cell depleted donor lymphocyte infusions decrease infections without causing severe GvHD after haplotype mismatched stem cell transplantation. *Bone Marrow Transplant.* 2009;43:S2 ([Meeting Abstract](#))

Mielke S, Shenoy A, Rezvani K et al. Allografts Selectively Photodepleted of GvHD Causing T Cells and Followed by Low-Level Immunosuppression: A Novel Method to Improve Disease Control



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After HLA-Matched Sibling Transplantations [abstract]. Blood (ASH Annual Meeting Abstracts). 2009;114:515 ([Meeting Abstract](#))

2008

Perruccio K, Topini F, Tosti A et al. Adoptive immunotherapy after haploidentical stem cell transplantation with T-cells allodepleted by photodynamic purging. Bone Marrow Transplant (EBMT Annual Meeting). 2008;41:S24-S25

Perruccio K, Topini F, Tosti A et al. Photodynamic purging of alloreactive T cells for adoptive immunotherapy after haploidentical stem cell transplantation. Blood Cells Mol Dis. 2008;40:76-83 ([PubMed](#))

Perruccio K, Topini F, Tosti A et al. Adoptive Immunotherapy after Haploidentical Stem Cell Transplantation with T Cells Allodepleted by Photodynamic Purging [abstract]. Blood. 2008;112:1157 ([Meeting Abstract](#))

Mielke S, Shenoy A, Fellowes VS et al. Selective Allodepletion by TH9402-Mediated Photosensitization Results in Early Full Donor T Cell Reconstitution in the Absence of High-Grade, Acute GvHD and Is Associated with Favorable Outcome after HLA Matched Sibling SCT for Hematologic Malignancies. ASH Annual Meeting Abstracts. 2008;112:1168 ([Meeting Abstract](#))

Mielke S, Shenoy A, Fellowes VS et al. First Clinical report of matched sublings allografts for haematological malignancies using selectively photodepleted T-cells and purified peripheral blood stem cells [abstract]. Bone Marrow Transplant (EBMT Annual Meeting). 2008;41:S329-S330

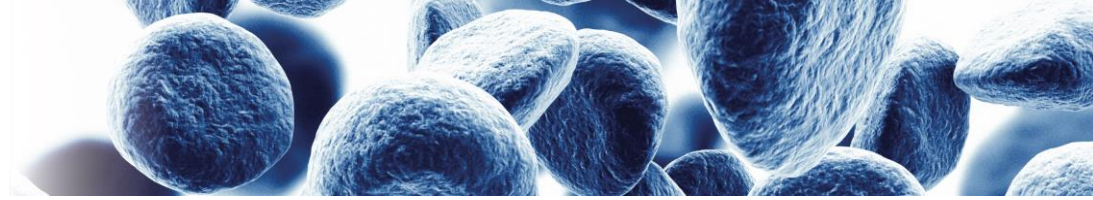
2007

Roy DC, Cohen S, Busque L et al. Phase I Clinical Trial of Haplotype Mismatched Myeloablative Stem Cell Transplantation: Higher Doses of Donor Lymphocyte Infusions Depleted of Alloreactive Cells Using ATIR May Improve Outcome without Causing GVHD [abstract]. Blood (ASH Annual Meeting Abstracts). 2007;110:2976 ([Meeting Abstract](#))

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Mielke S, Nunes R, Rezvani K et al. High Efficiency Clinical Scale Selective Depletion of Alloreacting T Cells Using Expanded T Lymphocytes as Antigen-Presenting Cells and a TH9402-Based Photodepletion Technique in HLA-Mismatched and Matched Donor-Recipient Pairs [abstract]. Blood (ASH Annual Meeting Abstracts). 2006;108:721 ([Meeting Abstract](#))

2005

Mielke S, Solomon SR, Barrett AJ. Selective depletion strategies in allogeneic stem cell transplantation. Cytotherapy. 2005;7:109-115 ([PubMed](#))

Levesque A, Savard AL, Roy DC, Foss F, and Scotto C. Control of Cell Death Levels Using Th9402-Based PDT Treatment on Fresh PBMC, and Potential Application to Patients with cGvHD [abstract]. Blood (ASH Annual Meeting Abstracts). 2005;106:5258 ([Meeting Abstract](#))

Boumedine RS, Roy DC. Elimination of alloreactive T cells using photodynamic therapy. Cytotherapy. 2005;7:134-143 ([PubMed](#))

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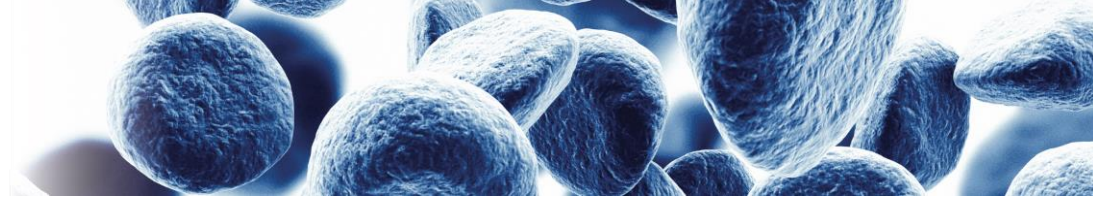
Krosl G, Dube P, Dallaire N, Vaillancourt M, and Roy DC. Preferential Induction of B Cell Apoptosis Using Photodynamic Therapy [abstract]. Blood (ASH Annual Meeting Abstracts). 2004;104:4643 ([Meeting Abstract](#))

Boumedine RS, Krosl G, Vaillancourt M, Perreault C, and Roy DC. Specific Elimination of Alloreactive T Lymphocytes Using Photodynamic Therapy Prevents GVHD and Enables Rapid Immune Reconstitution [abstract]. Blood (ASH Annual Meeting Abstracts). 2004;104:4987 ([Meeting Abstract](#))

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Anasetti C. Photodynamic purging of immunoreactive T cells: the magic bullet? Blood. 2002;99:3081 ([PubMed](#))

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Chen BJ, Cui X, Liu C, Chao NJ. Prevention of graft-versus-host disease while preserving graft-versus-leukemia effect after selective depletion of host-reactive T cells by photodynamic cell purging process. *Blood*. 2002;99:3083-3088 ([PubMed](#))

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Villeneuve L. *Ex vivo* photodynamic purging in chronic myelogenous leukaemia and other neoplasias with rhodamine derivatives. *Biotechnol Appl Biochem*. 1999;30 (Pt 1):1-17 ([PubMed](#))

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