

NCI-sponsored International Workshop on the Biology, Prevention, and Treatment of Relapse after Allogeneic Hematopoietic Cell Transplantation

November 2–3, 2009

Natcher Conference Center, Bethesda, MD

Monday, November 2, 2009

8:00-8:15 Welcome and Introductions

- 8:00-8:05 Lee Helman
- 8:05-8:10 Richard Little
- 8:10-8:15 Sergio Giralt and Michael Bishop

8:15-10:15 Session I: Biology Underlying Recurrence of Malignant Disease Following Allogeneic HSCT: Graft-Versus-Tumor/Leukemia Reaction

- 8:15-8:25 Session Introduction – Fred Falkenburg
- 8:25-8:30 Format Introduction – Jeff Miller
- 8:30-9:45 Topic Discussions:
 - 8:30-8:45 Adaptive T-cell Immune Response – Marcel van den Brick
 - 8:45-9:00 Regulation/Contraction/Suppression of the Effector Immune Response – Bruce Blazar
 - 9:00-9:15 Target Specific Effects and Tumor Antigens – Hootie Warren
 - 9:15-9:30 Adaptive B-cell Immune Response – Jerome Ritz
 - 9:30-9:45 Innate NK Cell Immune Response – Jeff Miller
- 9:45-10:15 Panel Discussion

10:15-10:30 Break

10:30-12:30 Session II: Biology Underlying Recurrence of Malignant Disease Following Allogeneic HSCT: Not Related to Graft-Versus-Tumor/Leukemia Reaction

- 10:30-10:35 Session Introduction – Mitchell Cairo and Carl June
- 10:35-11:50 Topic Discussions:
 - 10:35-10:50 Genomic Basis of Leukemic Relapse – Scott Armstrong
 - 10:50-11:05 Resistant Leukemic Stem Cells – Craig Jordan
 - 11:05-11:20 Mechanisms of Radiation Resistance – Clifford Chao
 - 11:20-11:35 Clonal Evolution of Cancer Drug Resistance – Carlo Maley
 - 11:35-11:50 Emerging New Technologies – Ari Melnick
- 11:50-12:30 Panel Discussion

12:30-1:30 Lunch Break

1:30-3:30 Session III: Epidemiology and Natural History of Relapse

1:30-1:35 Session Introduction – Steven Pavletic and Dan Weisdorf

1:35-2:50 Topic Discussions:

1:35-1:50 Myeloid malignancies and ALL – Mohamad Mohty

1:50-2:05 Lymphoma/CLL – James Foran

2:05-2:20 Myeloma – Shaji Kumar

2:20-2:35 GVHD/GVL – Marcelo Pasquini

2:35-2:50 Statistics – Mei-Jie Zhang

2:50-3:30 Panel Discussion

3:30-3:45 Break

3:45-5:45 Session IV: Strategies/Therapies Used in the Prevention of Relapse

3:45-3:50 Session Introduction – Ted Alyea and Stan Riddell

3:50-5:15 Topic Discussions

3:50-4:00 Conditioning Regimens – John Pagel

4:00-4:10 Graft Engineering – Stan Riddell

4:10-4:20 Drug Therapy – Dan DeAngelo

4:20-4:30 Dendritic Cells in Immune-based Therapies and Transplantation – James Young

4:30-4:40 DLI After Reduced Intensity Conditioning – Ted Alyea

4:40-4:50 Gene Modified T Cells – Michel Sadelain

4:50-5:00 Vaccines – Jeff Molldrem

5:00-5:15 Regulatory Issues – Donna Przepiorka

5:15-5:45 Panel Discussion

5:45-6:00 Announcements and Adjourn

Tuesday, November 3, 2009

8:00-10:15 **Session V: Disease-specific Methods and Strategies for Monitoring Relapse Following Allogeneic Stem Cell Transplantation**

- 8:00-8:05 Session Introduction – Alan Wayne
- 8:05-9:40 Topic Discussions
- 8:05-8:15 Overview of Methods to Detect and Monitor Relapse – Michael Borowitz
 - 8:15-8:35 CML and Myeloproliferative Neoplasms Monitoring – Eduardo Olavarria and Jerry Radich
 - 8:35-8:45 AML/MDS Monitoring – Ulrike Bacher
 - 8:45-9:00 ALL Monitoring:
 - Pediatrics – Peter Bader
 - Adults – Wendy Stock
 - 9:00-9:10 Lymphoma Monitoring – Issa Khouri
 - 9:10-9:20 CLL Monitoring – Sebastian Böttcher
 - 9:20-9:30 Myeloma Monitoring – Nicolaus Kröger
 - 9:30-9:40 Relapse Definitions – Nicolaus Kröger
- 9:40-10:15 Panel Discussion

10:15-10:30 **Break**

10:30-12:45 **Session VI: Treatment of Disease Relapse after Allogeneic Transplantation**

- 10:30-10:35 Session Introduction – David Porter and Koen van Besien
- 10:35-12:15 Topic Discussions
- 10:35-10:50 General Overview of Treatments for Relapse – David Porter and Koen van Besien
 - 10:50-11:00 Treatment of Relapsed CML – Fred Falkenburg
 - 11:00-11:15 Treatment of Relapsed AML – Marcos de Lima
 - 11:15-11:25 Treatment of Relapsed ALL – Jacob Rowe
 - 11:25-11:40 Treatment of Relapsed NHL – David Maloney
 - 11:40-11:50 Treatment of Relapsed Hodgkin's Disease – Karl Peggs
 - 11:50-12:05 Treatment of Relapsed CLL – Jose Leis
 - 12:05-12:15 Treatment of Relapsed Myeloma – Nicolaus Kröger
- 12:15-12:45 Panel Discussion

12:45-1:30 **Lunch Break**

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- 1:30-3:15** **Summary Session**
 - 3:15** **Adjourn**
 - 3:30-4:00** **Closed Session of Organizing Committee**