

# NCI's 2<sup>nd</sup> International Workshop on the Biology, Prevention, and Treatment of Relapse After Hematopoietic Stem Cell Transplantation

November 5–6, 2012

Natcher Conference Center, Bethesda, MD

## Monday, November 5, 2012

8:00AM – 8:15AM **WELCOME AND INTRODUCTIONS**

*Michael Bishop, University of Chicago*

*Sergio Giralt, Memorial Sloan-Kettering Cancer Center*

*Nicolaus Kröger, University of Hamburg*

*Alan Wayne, National Cancer Institute*

### **SESSION 1: BIOLOGY OF RELAPSE AFTER STEM CELL TRANSPLANTATION**

8:15AM – 9:45AM

**“Lymphocyte Homeostasis: Implications for the Prevention and Treatment of Relapse”**

*Ronald Gress, National Cancer Institute*

**“Natural Killer Cell Biology and Therapeutic Potential”**

*Jeffrey Miller, University of Minnesota*

**“Tumor Genomics: Biology and Implications for Cellular Therapies”**

*Catherine Wu, Dana-Farber Cancer Institute*

9:45AM – 10:15AM

**Break**

### **SESSION 2: AUTOLOGOUS STEM CELL TRANSPLANTATION: RELAPSE PREVENTION USING NOVEL AGENTS AND IMMUNOMODULATORY STRATEGIES**

10:15AM – 11:45PM

**“Epidemiology, Prevention and Treatment of Myeloma Relapse”**

*Parameswaran Hari, Medical College of Wisconsin*

**“Challenges in Designing Cancer Vaccines as Effective Immunotherapy”**

*David Avigan, Beth Israel Deaconess Medical Center*

**“NK Cell Immunogenetics: Implications for Relapse Risk and Prevention”**

*Katharine Hsu, Memorial Sloan-Kettering Cancer Center*

11:45PM – 12:00PM

**Group Photos**

12:00PM – 1:45PM

**Lunch Break and Poster Viewing (Authors present 12:45 – 1:45PM)**

### **SESSION 3: RELAPSE AFTER ALLOGENEIC STEM CELL TRANSPLANTATION: PREVENTION AND TREATMENT**

1:45PM – 3:15PM                    **“Preemptive and Maintenance Strategies to Prevent Relapse after Allogeneic SCT”**

*Marcos de Lima, Case Western Reserve University*

**“Adjunctive Strategies to Improve Cell Therapy for Relapse”**

*Christoph Schmid, University of Augsburg*

**“Improving Graft-versus-Tumor: Strategies to Enhance T Cell Function”**

*David Porter, University of Pennsylvania*

3:15PM – 3:30PM                    **Break**

### **SESSION 4: PROTOCOL PLANNING COMMITTEE PRESENTATIONS - Part I**

3:30PM – 4:15PM                    **Statistical Challenges in Post-Transplant Relapse Studies**

*Ted Gooley, Fred Hutchinson Cancer Research Center*

4:15PM – 5:45PM                    **Biology Protocol Development Team**

*Mitchell Cairo, New York Medical College*

*John DiPersio, Washington University*

*Jerry Radich, Fred Hutchinson Cancer Research Center*

**Prevention Protocol Development Team**

*David Avigan, Beth Israel Deaconess Medical Center*

*Marcos de Lima, Case Western Reserve University*

**Treatment Protocol Development Team**

*Jeffrey Miller, University of Minnesota*

*David Porter, University of Pennsylvania*

5:45PM – 6:00PM                    **Break**

6:00PM – 7:30PM                    **Protocol Planning Breakout Working Groups**

Biology Protocol Development

Prevention Protocol Development

Treatment Protocol Development

**Tuesday, November 6, 2012**

**SESSION 5: BEST ABSTRACTS**

8:00AM – 9:00AM

**Oral Presentations from Selected Abstracts**

**“Pharmacological inhibition of signaling through the VIP receptor decreases leukemia relapse in murine allogeneic BMT recipients”**

*Edmund Waller, Emory University*

**“Genetic variations in graft-versus-leukemia reaction pathways and relapse risk after allogeneic hematopoietic stem cell transplantation: an explore study”**

*He Huang, First Affiliated Hospital, Zhejiang University School of Medicine*

**“Reversal of T Cell exhaustion in pre-treatment marrow T Cells is associated with effective Graft-Versus-Leukemia responses to donor lymphocyte infusion”**

*Pavan Bachireddy, Dana-Farber Cancer Institute*

**“The relationship of acute GVHD and pre- and post- transplant flow-MRD to the incidence and timing of relapse in children undergoing allogeneic transplantation for high risk ALL: defining a target population and window for immunological intervention to prevent relapse”**

*Michael Pulsipher, University of Utah*

9:00AM – 10:00AM

**Young Investigator Awardees - Oral Presentations**

**“Systematic identification of personal mutated tumor-specific neoantigens in CLL”**

*Mohini Rajasagi, Dana Farber Cancer Institute*

**“Autologous whole tumor cell vaccination early after allogeneic stem cell transplantation elicits anti-tumor T cell responses in patients with advanced chronic lymphocytic leukemia (CLL)”**

*Ute Burkhardt, Dana-Farber Cancer Institute*

**“CD19 targeted allogeneic EBV-specific T cells for the treatment of relapsed ALL in pediatric patients post HSCT”**

*Kevin Curran, Memorial Sloan-Kettering Cancer Center*

**“Donor natural killer cell infusions following non-myeloablative HLA-haploidentical transplantation to augment graft-versus-tumor effects in patients with hematological malignancies”**

*Monica Thakar, Medical College of Wisconsin*

**“Azacitidine and donor lymphocyte infusions induce long-term molecular remissions in patients with MDS or AML relapsing after allogeneic hematopoietic stem cell transplantation”**

*Thomas Schroeder, University Hospital of Duesseldorf*

**“CD25+ regulatory T cell-depleted donor lymphocyte infusion for relapse after allogeneic transplantation - a phase 1 study”**

*Sarah Nikiforow, Dana-Farber Cancer Institute*

10:00AM – 10:45AM

**Best of Poster Session**

*Ulrike Bacher, Munich Leukemia Laboratory*

*Nirali Shah, National Cancer Institute*

10:45AM – 11:00AM

**Break**

## **SESSION 6: PROTOCOL PLANNING COMMITTEE PRESENTATIONS - Part II**

11:00AM – 12:00PM

**Biology Protocol Development Team**

*Mitchell Cairo, New York Medical College*

*John DiPersio, Washington University*

*Jerry Radich, Fred Hutchinson Cancer Research Center*

12:00PM – 1:30PM

**Lunch Break and Poster Viewing**

1:30PM – 2:30PM

**Prevention Protocol Development Team**

*David Avigan, Beth Israel Deaconess Medical Center*

*Marcos de Lima, Case Western Reserve University*

2:30PM – 3:30PM

**Treatment Protocol Development Team**

*Jeffrey Miller, University of Minnesota*

*David Porter, University of Pennsylvania*

3:30PM – 4:00PM

**Meeting Wrap-Up**