Final Program
Pathophysiology and Molecular Biology of Hematopoiesis, Malignancy and Radiation Response: A Symposium in Memory of Eugene P. Cronkite

Day 1 - May 10, 2006

Welcome & Dedication

9:00 am – 9:10 am   Praveen Chaudhari, PhD
                    Director, Brookhaven National Laboratory


9:25 am – 9:30 am   Feinendegen LE – Administrative briefing

Leukemogenesis

9:30 am – 9:50 am   Chairman:  Rai KR

9:35 am – 9:55 am   Jordan CT, University of Rochester Medical School, Rochester, NY - Characterization and targeting of leukemia stem cells.

9:50 am – 10:10 am  Croce C, Ohio State University, Columbus, OH – Correlation of a microRNA signature with prognosis of CLL.

10:10 am – 10:30 am Rithidech KN, SUNY, Stony Brook, NY - Radiation Leukemogenesis: A Proteomic Approach.

10:35 am – 10:45 am Coffee Break

10:45 am – 11:30 am Discussion
Management of Hematologic Disorders – Part I

Chairman: Shadduck RK

11:30 am – 11:50 am Shadduck RK, Western Pennsylvania Cancer Institute, Pittsburgh, PA - Diagnosis and treatment of myelodysplastic syndrome.

11:50 am – 1:05 pm Lunch


1:25 pm – 1:45 pm Deininger M, Oregon Health and Science University, Portland, OR – Optimal therapy for chronic myelogenous leukemia.

1:45 pm – 2:05 pm Champlin RE, MD Anderson Cancer Center, Houston, TX - Role of transplantation in treatment of chronic leukemia.

2:05 pm – 2:20 pm Coffee Break

2:20 pm – 3:05 pm Discussion

Management of Hematologic Disorders – Part II

Chairman: Anderson K

3:05 pm – 3:25 pm Anderson K, Dana-Farber Cancer Institute, Boston, MA – Targeted therapy of multiple myeloma based on tumor-microenvironmental interactions.

3:25 pm – 3:45 pm Stone R, Dana-Farber Cancer Institute, Boston, MA – Novel approaches to treat adult acute myelogenous leukemia.

3:45 pm – 4:05 pm Shreeve WW, Brookhaven National Laboratory, Upton, NY; SUNY, Stony Brook, NY – Use of isotopes in the diagnosis of erythrocyte disorders.

4:05 pm – 4:25 pm Goodnough LT, Stanford University School of Medicine, Stanford, CA – Iron-restricted erythropoiesis in patients receiving erythropoietic therapy.

4:25 pm – 4:40 pm Coffee Break

4:40 pm – 5:25 pm Discussion
**Regulation of Hematopoiesis**

Chairman: Inoue T*

9:00 am – 9:20 am  Broxmeyer HE, Indiana University School of Medicine, Indianapolis, IN - Regulation of hematopoiesis: from cytokines to chemokines.

9:20 am – 9:40 am  Lapidot T, The Weizmann Institute of Science, Rehovot, Israel - Role of SDF1 in stem cell trafficking of primitive blood precursor cells.

9:40 am – 10:00 am  Moore, KA, Princeton University, Princeton, NJ - Molecular Mechanisms in the Hematopoietic Microenvironment.

10:00 am – 10:20 am  Walkley CR, Dana-Farber Cancer Institute, Boston, MA - Control of self-renewal and differentiation of hematopoietic stem cells by negative cell-cycle regulators.

10:20 am – 10:40 am  Moore, MA, Memorial Sloan-Kettering Cancer Center, New York, NY - Flt-3, stem cell renewal and leukemia.

10:40 am – 10:55 am  Coffee Break

10:55 am – 11:40 am  Discussion

11:40 am – 12:55 pm  Lunch

**Low-Dose Radiation Effects**

Chairman: Feinendegen LE

12:55 pm – 1:15 pm  Feinendegen LE, Brookhaven National Laboratory, Upton, NY; Heinrich-Heine University, Dusseldorf, Germany – System responses to low-level exposure.

1:15 pm – 1:35 pm  Ponnaiya B, Center for Radiological Research, RARAF, Irvington, NY – Imaging individual bystander cell effects using a charged-particle microbeam to precisely deliver radiation.


2:15 pm – 2:30 pm  Coffee Break

2:30 pm – 3:15 pm  Discussion

**Accidental Exposure to Ionizing Radiation**

Chairman: Fliedner TM

3:15 pm – 3:35 pm  Fliedner TM, University of Ulm, Ulm, Germany - Pathophysiological principles of radiation exposure and accident triage.

3:35 pm – 3:55 pm  Dainiak N, Bridgeport Hospital, Yale University School of Medicine, Bridgeport, CT – Management of mass casualties from a radiological event.

3:55 pm – 4:15 pm  Herodin F, Centre de Recherches du Service de Santé des Armées, La Tronche, France - New approaches to cytokine-based protocols of accidentally irradiated victims.

4:15 pm – 4:35 pm  Chao N, Duke University Medical Center, Durham, NC - Contingency planning in the US to be prepared for radiation accident medical management.

4:35 pm – 4:50 pm  Coffee Break

4:50 pm – 5:35 pm  Discussion

**Banquet Program**

Dinner Speakers: Feinendegen LE, Master of Ceremonies

Carsten A, Brookhaven National Laboratory, Upton, LI, USA, Gene Cronkite: The Man and His Science

Cronkite Vignettes
Day 3 - May 12, 2006

Stem Cell and Cytokine Response to Radiation

Chairman: Dainiak N

9:00 am – 9:20 am Hirabayashi, Y, National Institute of Health Sciences, Tokyo, Japan – Implication of hemopoietic progenitor-cell kinetics and attenuation of radiation and chemical leukemogenesis.

9:20 am – 9:40 am Hoffman R, University of Illinois College of Medicine, Chicago, IL - Characterization of primitive hematopoietic progenitor cells which persist following total body irradiation.

9:40 am – 10:00 am Meineke V, Institute of Radiobiology, German Defense Ministry, Munich, Germany – Radiation–induced alterations in cytokine production in cultured skin cells.

10:00 am – 10:20 am Zanjani, E, University of Nevada, Reno, NV - A large, non-injury animal model for study of human stem cells.

10:20 am – 10:35 am Coffee Break

10:35 am – 11:20 am Discussion

Meeting Summary and Future Directions

Moderator: Shreeve, WW

11:20 am – 11:30 am Rai KR, Leukemogenesis

11:30 am – 11:40 am Shadduck RK, Management of Hematologic Disorders (Part I)

11:40 am – 11:50 am Anderson K, Management of Hematologic Disorders (Part II)

11:50 am – 12:00 pm Inoue T*, Regulation of Hematopoiesis

12:00 pm – 12:10 pm Feinendegen LE, Low-Dose Radiation Effects
12:10 pm – 12:20 pm  Fliedner TM, Accidental Exposure to Ionizing Radiation
12:20 pm – 12:30 pm  Dainiak N, Stem Cell and Cytokine Response to Radiation
12:30 pm  ADJOURNMENT

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**SOCIAL PROGRAM:** We are planning for a social program for interested persons.