

**A Symposium in honor of Professor Eric J. Hall entitled  
“From Beans to Genes: A Forty Year Odyssey in Radiation Biology”  
Columbia University, New York, October 13<sup>th</sup> and 14<sup>th</sup>, 2008**

**SYMPOSIUM PROGRAM**

**Monday, October 13<sup>th</sup>, 2008**

- 8:00 -8:45 a.m. Continental Breakfast  
8: 45-9:00 a.m. Welcoming Remark by Dr. Tom K. Hei and Dr. Steven Shea, Senior Dean
- 9:00 - 9:15 a.m. “Eric J. Hall- the Radiobiologist's Radiobiologist” by Dr. David J. Brenner
- SESSION I Tumor Hypoxia and Radiosensitizers**  
Chairman: Dr. Charles R. Geard
- 9:15 - 9:45 a.m. Dr. Martin J. Brown  
*Sensitizing Tumors to Radiotherapy: What’s Important- The Tumor Cells or the Vascular Cells ?*
- 9:45 - 10:15 a.m. Dr. James B. Mitchell  
*Tumor Hypoxia: From Sensitizing to Imaging*
- 10:15 - 10:45 a.m. Dr. Ian J. Stratford  
*Tumor Hypoxia: The Sensitizer Years*
- 10:45 - 11:10 a.m. Coffee Break
- 11:10 - 11:40 a.m. Dr. Amato J. Giaccia  
*Selective Targeting of the VHL/ HIF Pathways for Cancer Therapy*
- 10:40 - 12:10 a.m. Dr. Michael L. Freeman  
*TGF $\beta$  Signaling Represses Nrf2 Directed Gene Expression*
- 12:20 - 2:00 p.m. Group Picture and Lunch
- SESSION II Modulating Factors in Low Dose Radiation Response**  
Chairman: Dr. Noelle Metting
- 2:00 - 2:30 p.m. Dr. Eric G. Wright

*The Radiobiology of the Haemopoietic System: Modulation by Radiation quantity and Quality, Genetics and Microenvironment*

- 2:30 - 3:00 p.m. Dr. William F. Morgan  
*Our Research for a Bystander Effect*
- 3:00 - 3:30 p.m. Dr. Keiji Suzuki  
*Higher Order Chromatin Structure and Non-Targeted Effects*
- 3:30 - 3:50 p.m. Coffee Break
- 3:50 - 4:20 p.m. Dr. Edouard I. Azzam  
*Intercellular Communication Between the Targeted and the Bystander: a Radiant Journey Through Time*
- 4:20 - 4:50 p.m. Dr. Joel S. Bedford  
*Mildly Radiosensitive Phenotypes: Their Potential Significance and Assays for Detecting Them*
- 7:00 - 9:30 p.m. Reception and Banquet (Business casual)  
Low Library Rotunda, Columbia University

**Tuesday, October 14<sup>th</sup>, 2008**

- 8:00 - 8:45 a.m. Continental Breakfast

**SESSION III Radiobiology in the practice of Radiation Oncology**

Chairman: Dr. David Brenner

- 8:45 - 9:20 a.m. Dr. James D. Cox and Dr. Ritsuko Komaki  
*Molecular and Physical Targeting: A Platform for Improving the Therapeutic Ratio in Cancer Treatment*
- 9:20 - 9:50 a.m. Dr. Herman D. Suit  
*Proton versus Carbon Ion Beams in Definitive Radiation Treatment of Cancer Patients*
- 9:50 - 10:20 a.m. Dr. Clifford K.S. Chao  
*Image-Guided Therapy Paradigms in Radiation Oncology*
- 10:20- 10:40 a.m. Coffee Break

**SESSION IV**

**Radiation Hazard in Space and Genetic Predisposition to Cancer**

Chairman: Dr. Howard Lieberman

10:40 - 11:10 a.m.

Dr. Robert L. Ullrich

*Radiation Risk in Space: What Can We Learn From Animal Studies ?*

11:10 - 11:40 a.m.

Dr. Mary Helen Barcellos-Hoff

*Do Radiation Quality Effects in Human Epithelial Cells Add Up to Cancer ?*

11:40 - 12:10 a.m.

Dr. Kenshi Komatsu

*Role of NBS1 in Genomic Instability*

12:10 - 12:40 p.m.

Dr. Sally A. Amundson

*Global Gene Expression Profiling of Radiation Response and Sensitivity*

12:40- 1:00 p.m.

Concluding Remarks: Dr. Eric J. Hall and Dr. Tom K. Hei

1:00 p.m.

Adjourn

***Publication of Extended Abstracts***

A meeting summary that highlights the essence of the scientific presentations will be published in the journal *Radiation Research*.