


*Most research is failure. You work for years and years,
and then every once in a while there is a tremendous finding,
and you realize for the first time in your life
that you know something that nobody else in history
has ever known.*

--Judah Folkman

The First Annual Symposium on Cellular, Molecular, and Clinical Research in Surgery is sponsored by the Surgical Research Council of Children's Hospital Boston.

Surgical Research Council members:

- * Larry I. Benowitz, Ph.D.
- * Leticia Castillo, M.D.
- * Douglas A. Cotanche, Ph.D.
- * Douglas B. Cowan, Ph.D.
- * Michael R. Freeman, Ph.D.
- * Ingeborg Friehs, M.D.
- * Peter V. Hauschka, Ph.D.
- * Tom Jaksic, M.D., Ph.D.
- * Francis McGowan, M.D.
- * Marsha A. Moses, Ph.D. (Chairperson)
- * John Mulliken, M.D.
- * Alan B. Retik, M.D.
- * Andrew Sonis, D.M.D.
- * Lois E. H. Smith, M.D., Ph.D.



The Children's Hospital Surgical Research Council
presents

Cellular Molecular and Clinical Research in Surgery

1st
Annual
Symposium

**Tuesday, November 30, 2004
8AM-6PM**

Enders Auditorium • Children's Hospital Boston

Cellular, Molecular, and Clinical Research in Surgery

SCHEDULE OF EVENTS

7:40am – 8:10am

Registration and Coffee

8:10am – 8:30am

Welcome and Introductions

Marsha Moses, Ph.D.

Alan Retik, M.D.

James Mandel, M.D.

8:30am – 9:50am

Scientific Session I Stem Cell Biology

Chairs: Douglas Cotanche, Ph.D.

Peter Hauschka, Ph.D.

Douglas Cotanche, Ph.D. – Hair Cell Regeneration and Stem Cell Transplantation in the Cochlea

Joyce Bischoff, Ph.D. – Endothelial Progenitor Cells in Infantile Hemangioma

Dario Fauza, M.D. – Fetal Tissue Engineering, Stem Cells, and Alternatives for the Treatment of Birth Defects

Peter Hauschka, Ph.D. – Tumor-Stromal Interactions in Bone Metastasis

9:50am – 10:20am

Coffee Break

10:20am – 11:40am

Scientific Session II Tissue Function

Chairs: Leticia Castillo, M.D.

Lois Smith M.D., Ph.D.

Leticia Castillo, M.D. – Metabolic Basis of Endothelial Dysfunction

Ingeborg Friehs, M.D. – Cardiac Hypertrophy and Heart Failure: The Role of Angiogenesis

Juan Ibla, M.D. – Regulation of Pulmonary Permeability by Adenosine

Lois Smith M.D., Ph.D. – Can We Prevent Retinopathy of Prematurity?

11:45am – 1:00pm

Lunch at Galleria Conference Center Registered participants

1:00pm – 2:00pm

Keynote Address

Introduction: Marsha Moses, Ph.D.

Judah Folkman, M.D.

“Nature is Not Arranged

In the Same Way That Universities Are”

2:00pm – 3:20pm

Scientific Session III Surgical Advances

Chairs: Ingeborg Friehs, M.D.

Marsha Moses, Ph.D.

Kristine Gulesarian, M.D. – LV Remodeling: Results with Fetal and Post-natal Surgical Intervention

Martha Murray, M.D. – Enhanced Repair of the Anterior Cruciate Ligament

Joseph Borer, M.D. – Bladder Exstrophy: A Critical View of Contemporary Care

Ed Smith, M.D. – Matrix Metalloproteinases in Neurosurgical Disease

3:20pm – 3:45pm

Coffee Break

3:45pm – 5:05pm

Scientific Session IV Molecular Mechanisms

Chairs: Douglas Cowan, Ph.D.

Michael Freeman, Ph.D.

Michael Freeman, Ph.D. – Heparin-binding EGF-like Growth Factor in Urologic Disease

Marly Kenna, M.D. – Genetic Hearing Loss: A Decade of Progress

Elof Eriksson, M.D. – Gene Transfer in Wound Healing

Donald Ingber, M.D., Ph.D. – Mechanics in Biology: From Developmental Control to Nanosurgery

5:05pm – 5:15pm

Concluding Remarks

Marsha Moses, Ph.D.

