

GREAT Group Annual Meeting

“Redefining Research Training”

**Welcome: Trevor M. Penning, Ph.D.
Chair, GREAT Group**



Tomorrow's Doctors, Tomorrow's Cures®

Welcome:

M.D.-Ph.D Section

GREAT Group

Postdoctoral Leaders

Thanks to the Program Committee:

**Tom Andersen, Melanie Cobb, Arthur Guiterrez-Hartmann,
Alyson Reed, John Russell, Nancy Schwartz,
Jamboor Vishwanatha, Henry Wortis
and the AAMC Staff**

*“it was the best of times and the worst of times
.....it was the spring of hope and the
winter of despair”*

Charles Dickens: Tale of Two Cities

“the best of times....spring of hope”

**Human genome mining:
genotyping and personalized medicine
Genome wide association studies**

The “omics” revolution

Systems biology and networks

Biomedical Imaging

Nanotechnology

**High-through put screening and combinatorial
libraries**

Translational Medicine

“the worst of times....winter of despair”

Time-to-independence is now mid-forties

Disincentives in attracting the best and brightest

NIH hard landing

**Trend for funding agencies to dictate research area
–NIH roadmap and beyond**

**Whither the R01 and the Individual Investigator?
*(Heidi Hamm, ASBMB President)***

The challenge is to train for the future landscape

Nations health, wealth and competitiveness

Saturday:

Session I: The Evolving Goals of Research Training in the 21st Century

Session II: Preparing Young Scientists to Work at the New Interfaces

Session III & IV: Optimizing Biomedical Education & Training

Sunday:

GREAT Group Business Meeting

**Session V: John Perkins Policy Session:
Challenges Facing the Biomedical Research
Enterprise**

NIH Update

Reports & Recommendations from Session IV

Monday:

**Session VI: Changing Landscapes in the Academy:
Scientific Careers Other than the Tenure-Track
Faculty Member**