

Printable Schedule
UNIVERSITY OF PITTSBURGH SCIENCE 2001
September 12-14, 2001

Wednesday, September 12

- 7:30 a.m.** *Masonic Temple*
Conference registration opens
Continental breakfast
- 9:00 a.m.** *Masonic Temple*
Plenary Session I
Robert G. Roeder, Ph.D.
Dickson Prize Lecturer
“Regulation of Transcription in Human Cells: Complexities
and Challenges”
- 10:30 a.m.** *Cathedral Lawn*
Refreshment and Trade Show break
(The Trade Show will be open from 10:00 a.m.-3:00 p.m.)
- 11:00 a.m.** *Masonic Temple*
Spotlight Session I—“New Horizons in Cancer Biology”
Coordinator: William Saunders, Ph.D.
Speakers: Olivera J. Finn, Ph.D.—“The Present and Future of
Tumor Vaccines”
Richard D. Wood, Ph.D.—“Quality Control in the
Human Genome”
Jennifer Grandis, M.D.—“The Epidermal Growth
Factor Receptor as a Target for Human Cancer”
- Spotlight Session II—“Informatics for 21st Century Science”**
Coordinator: Charles P. Friedman, Ph.D.
Speakers: İvet Bahar, Ph.D.—“Computational Prediction of
Functional Mechanisms for Biomolecular
Complexes and Assemblies”
Ralph Z. Roskies, Ph.D.—“The Scientific Impact of
of Large-Scale Computing”
Michael M. Wagner, M.D., Ph.D.—“Real-Time
Detection of Epidemics”
- 12:30 p.m.** *Cathedral Lawn*
Trade Show and Lunch Break
- Poster Session I—Cancer Biology**
Poster Session II—Informatics

2:30 p.m. *Masonic Temple*
Spotlight Session III—“Neuronal Signaling: From Molecule to Disease”

Coordinator: Pat R. Levitt, Ph.D.

Speakers: Edwin S. Levitan, Ph.D.--“Secretory Vesicle Dynamics and Neuropeptide Release”

Anthony Grace, Ph.D.—“Gating of Information Flow in the CNS as Related to the Pathophysiology of Psychiatric Disorders”

David A. Lewis, M.D.—“Schizophrenia, Basic Neurobiology, and Gene Profiling Related to Dysfunction in Neuronal Communication”

Spotlight Session IV—“Applying Genetics at the Population Level”

Coordinators: Steven L. Husted, Ph.D. and Richard Schulz, Ph.D.

Speakers: Michael B. Gorin, M.D., Ph.D.—“Ancient Populations --Modern Genetics: A Genomic View of Human Migration over the Centuries”

Stephen B. Manuck, Ph.D.—“Genetic Correlates of Normal Variation in Behavioral and Biological Traits”

Lisa S. Parker, Ph.D.—“Making Progress in Respecting Privacy”

4:00 p.m. *Cathedral Lawn*
Poster Session III—Neuroscience
Poster Session IV—Population-Based Science

5:30 p.m. *Commons Room, Cathedral of Learning*
“Celebration of Discovery” Reception

Thursday, September 13

8:00 a.m. *Masonic Temple*
Registration
Continental breakfast

9:00 a.m. *Masonic Temple*
Plenary Session II
Leland H. Hartwell, Ph.D.
Mellon Prize Lecturer
“From Yeast Cell Division to Human Cancer: The Unity of Biology”

10:30 a.m.

Cathedral Lawn

Refreshment and Trade Show Break

(The Trade Show will be open from 10:00 a.m.-3:00 p.m.)

11:00 a.m.

Masonic Temple

Spotlight Session V—“Visualization of Macromolecules”

Coordinator: Stephen L. Phillips, Ph.D.

Speakers: Peter F. Drain, Ph.D.—“Kinetic Imaging Mechanisms of Insulin Vesicle Exocytosis”

John Rosenberg, Ph.D.—“Structural Energetics of EcoRI-DNA Interaction”

Pei Tang, Ph.D.—“Molecular Dynamics Simulations of Membrane Proteins”

Spotlight Session VI--“Nanoscience—A New Frontier in Chemistry, Physics, and Materials Science”

Coordinator: Craig S. Wilcox, Ph.D.

Speakers: John T. Yates, Jr., Ph.D.—“The Development of Nanoscience from 1959 to ~2025”

Jeremy Levy, Ph.D.—“Quantum Computing”

Sanford A. Asher, Ph.D.—“Novel Photonic Crystal Chemical Sensing Materials and Electro-optical Materials”

12:30 p.m.

Cathedral Lawn

Trade Show and Lunch Break

Poster Session V— Imaging and Visualization

Poster Session VI—Nanoscience

2:30 p.m.

Masonic Temple

Spotlight Session VII—“Drug Discovery”

Coordinators: John S. Lazo, Ph.D., and Peter Wipf, Ph.D.

Speakers: Dennis P. Curran, Ph.D.—“Fluorous Mixture Synthesis: A New Method for Leveraging Solution Phase Synthesis of Small Organic Molecules”

Billy W. Day, Ph.D.—“Computational and Biochemical Screening for Antitumor Agents”

John S. Lazo, Ph.D.—“Targets, Toxins, and Treatments”

Spotlight Session VIII—“Environmental Science—Protecting Our World”

Coordinator: George E. Klinzing, Ph.D.

Speakers: Tia-Lynn Ashman, Ph.D.—“Wild Strawberries—Wild Resources”

Michael S. Ramsey, Ph.D.—“Mapping the Urban Landscape from Space: What Are the Consequences of Change in the Earth System for Human Civilization?”

Radisav D. Vidic, Ph.D.—“An Industrial Ecology Approach—Reducing Mercury in the Environment”

4:00 p.m.

Cathedral Lawn

Poster Session VII—Drug Discovery

Poster Session VIII—Environmental Science

5:30 p.m.

Cathedral Lawn

Festival of Science Barbecue and Battle of the Bands

Friday, September 14

8:00 a.m.

Masonic Temple

Continental breakfast

9:00 a.m.

Masonic Temple

Plenary Session III

Richard E. Smalley, Ph.D.—“New Nanotechnology from Carbon”

Carol A. Nancy, Ph.D.—“Harvesting the Fruit of your Ph.D.: Life after Academia”

10:30 a.m.

Masonic Temple

Conference Summary and Awarding of Poster Prizes

11:00 a.m.

Masonic Temple

@pgh.café Recruitment Event

with Pittsburgh Technology Council