



**WTEC Workshop on the
Assessment of Physical Sciences and Engineering Advances in Life Sciences and Oncology
(APHELION)**

National Institutes of Health, The Cloisters Building 60, Lecture Room
June 12, 2012

Agenda

- 8:30 a.m. - 9:00 a.m. Registration
- 9:00 a.m. - 9:15 a.m. *Introductions & Welcoming Remarks*
Jerry Lee, Health Sciences Director, Center for Strategic Scientific Initiatives, Office of the Director, NCI
- Nastaran Kuhn, Project Manager, Office of Physical Sciences-Oncology, Center for Strategic Scientific Initiatives, Office of the Director, NCI
- 9:15 a.m. - 9:20 a.m. *Process of Study and Workshop*
R. D. Shelton, President, WTEC
- 9:20 a.m. - 9:55 a.m. *Introduction/Executive Summary*
Paul Janmey, Panel Chair, University of Pennsylvania
- 9:55 a.m. - 10:25 a.m. *Microenvironment*
Sharon Gerecht, Johns Hopkins University
- 10:25 a.m. - 10:45 a.m. Coffee Break
- 10:45 a.m. - 11:15 a.m. *Cell and Tissue Mechanics*
Cynthia Reinhart-King, Cornell University
- 11:15 a.m. - 11:45 a.m. *Dynamics*
Owen McCarty, Oregon Health & Science University
- 11:45 a.m. - 12:15 p.m. *Transport*
Lance Munn, Harvard Medical School
- 12:15 p.m. - 1:30 p.m. Lunch Break
- 1:30 p.m. - 2:00 p.m. *Devices and New Diagnostic Principles*
Dan Fletcher, University of California, Berkeley
- 2:00 p.m. - 2:30 p.m. *Information and Complexity*
Parag Mallick, Stanford University

2:30 p.m. - 2:50 p.m. *A European Perspective on Physics and Oncology*
Josef Käs, University of Leipzig

2:50 p.m. - 3:10 p.m. Coffee Break

3:10 p.m. - 4:10 p.m. Discussion
Moderated by Paul Janney, Panel Chair, University of Pennsylvania

4:10 p.m. - 4:20 p.m. Closing Statements

4:20 p.m. Adjourn

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