



**WTEC 2nd Workshop on the
Assessment of Physical Sciences and Engineering Advances in Life Sciences and Oncology
(APHELION)**

National Institutes of Health, FISHERS LANE CONFERENCE CENTER (Terrace Level)
5635 Fishers Lane, Room 510, Rockville, MD 20852
November 21, 2013

Agenda

- 9:00 a.m. - 9:30 a.m. Registration
- 9:30 a.m. - 9:45 a.m. *Introductions & Welcoming Remarks*
Larry A. Nagahara, Ph.D., Director, Physical Sciences – Oncology
Centers Program, National Cancer Institute

Nastaran Z. Kuhn, Ph.D., Program Officer, Physical Sciences – Oncology
Centers Program, National Cancer Institute
- 9:45 a.m. - 9:50 a.m. *Process of Study and Workshop*
Patricia Foland, Vice President for International Operations, WTEC
- 9:50 a.m. - 10:30 a.m. *Introduction/Executive Summary*
Paul A. Janmey, Ph.D., Professor and Panel Chair, University of
Pennsylvania
- 10:30 a.m. - 11:00 a.m. *Microenvironment*
Sharon Gerecht, Ph.D., Associate Professor, Johns Hopkins University
- 11:00 a.m. - 11:15 a.m. Coffee Break
- 11:15 a.m. - 11:45 a.m. *Cell and Tissue Mechanics*
Cynthia A. Reinhart-King, Ph.D., Associate Professor, Cornell University
- 11:45 a.m. - 12:15 a.m. *Dynamics*
Owen J. McCarty, Ph.D., Associate Professor, Oregon Health & Science
University
- 12:15 p.m. - 1:15 p.m. Lunch Break
- 1:15 p.m. - 1:45 p.m. *Devices and New Diagnostic Principles*
Daniel A. Fletcher, Ph.D., Professor, University of California, Berkeley
- 1:45 p.m. - 2:15 p.m. *Information and Complexity*
Parag Mallick, Ph.D., Assistant Professor, Stanford University

- 2:15 p.m. - 2:45 p.m. *Clinical Perspective*
Ross L. Levine, M.D., Physician-Scientist, Memorial Sloan-Kettering
Cancer Center
- 2:45 p.m. - 3:05 p.m. Coffee Break
- 3:05 p.m. – 3:35 p.m. *Discussion*
Moderated by Paul A. Janmey, Ph.D., Professor and Panel Chair,
University of Pennsylvania
- 3:35 p.m. - 3:45 p.m. *Closing Statements*
Nastaran Z. Kuhn, Ph.D., Program Officer, Physical Sciences – Oncology
Centers Program, National Cancer Institute
- 3:45 p.m. Adjourn