

Physical Sciences in
Oncology Center
PSOC@Penn

Spring 2016 Seminar Series

Towne 337 @ Noon

Dec 7, 2015

Herbert Levine, PhD.

The hybrid epithelial-mesenchymal phenotype - a modeling approach

Hasselmann Professor of Bioengineering
Director, [Ctr for Theoretical Biological Physics](#)
CPRIT Scholar in Cancer Research
Rice University, Houston, TX

http://bioengineering.rice.edu/faculty/Herbert_Levine.asp
[X](#)



Jan 25, 2016




Ashani T. Weeraratna, PhD.




Aging and cancer - a Wnt-er of discontent

**Associate Professor, Tumor Microenvironment and
Metastasis Program,**
Member, The Wistar Institute Melanoma Research Center
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	<p style="text-align: center;">Feb 8, 2016</p> <p style="text-align: center;">Edna Cukierman, PhD</p> <p style="text-align: center;">Biomechanical tumor microenvironmental influences in desmoplastic dynamics</p> <p>Associate Professor, Co-leader, Pancreas Research Interest Group, Fox Chase Cancer Center, Philadelphia.</p> <p>https://www.foxchase.org/edna-cukierman</p>
	<p style="text-align: center;">Feb 15, 2016</p> <p style="text-align: center;">Ingolf Sack , PhD</p> <p style="text-align: center;">"MR elastography: Towards high-resolution in vivo imaging of soft tissue mechanics"</p> <p>Professor , Experimental Radiology and Elastography, Dept. of Radiology, Charité Berlin, Germany</p> <p>Website: http://elastography.charite.de/en/group/principal_investigators/</p>
	<p style="text-align: center;">March 7, 2016</p> <p style="text-align: center;">G.V.Shivashankar, PhD</p> <p style="text-align: center;">"Nuclear Mechanics of Genome Reprogramming"</p> <p>IFOM-NUS Chair Professor Mechanobiology Institute, National University of Singapore, Singapore & FIRC Institute of Molecular Oncology (IFOM), Milan, Italy</p> <p>http://mbi.nus.edu.sg/g-v-shivashankar/</p>

	<p>March 21,2016</p> <p>James Duncan, PhD</p> <p>"Monitoring kinome adaptations to anti-cancer therapies through chemical proteomics"</p> <p>Assistant Professor ,Cancer Biology, Fox Chase Cancer Center, Philadelphia</p> <p>Website: https://www.foxchase.org/james-duncan</p>
	<p>April 4 , 2016:</p> <p>Roger Kamm, PhD</p> <p>"What we have learned about tumor cell extravasation from microfluidic models"</p> <p>Cecil and Ida Green Distinguished Professor, Department of Mechanical Engineering, MIT</p> <p>Website: https://be.mit.edu/directory/roger-d-kamm</p>
	<p>April 11, 2016</p> <p>Sharon Gerech, PhD</p> <p>"Recapitulating intratumoral oxygen gradients to study cancer cell invasion and angiogenesis"</p> <p>Associate Professor, Chemical and Biomolecular Engineering , Johns Hopkins University</p> <p>Website : http://gerechlab.johnshopkins.edu/research</p>
	<p>April 25, 2016</p> <p>Robert Gatenby, MD</p>



"Evolutionary dynamics in tumor biology and treatment".

Head: Integrative Mathematical Oncology (IMO), Moffitt Cancer Center, Tampa Florida

Website: <https://www.moffitt.org/clinical-trials-research/researchers/robert-gatenby/>

June 6,2016

[Adrian C. Shieh](#), PhD

"Interstitial flow's role in cancer invasion

Assistant Professor, Drexel University

[School of Biomedical Engineering, Science & Health Systems](#)

<http://drexel.edu/biomed/faculty/core/ShiehAdrian/>

