

# *LRSM Science Café*

*at the*



The Laboratory  
for Research on  
the Structure  
of Matter



## University Club Inn at Penn Hotel

36<sup>th</sup> & Walnut Street  
Philadelphia, PA

**FREE EVENT**  
no purchase necessary

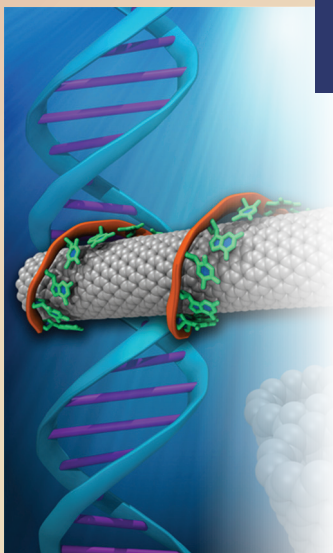
**Thursday, September 17, 2015**

**6:00pm** (venue opens @ 5:00pm)

***“A ‘Bionic Nose’ to Smell Cancer -  
From Small Science to Major Applications”***

**A.T. Charlie Johnson**  
Physics & Astronomy  
University of Pennsylvania

Physicist A.T. Charlie Johnson, Director of Penn's Nano/Bio Interface Center, understands that less is definitely more. Johnson forges groundbreaking basic discoveries in nanoscience that are then used in the development of important applications in industry and medicine. He is currently pursuing research to create a bionic nose, a nanoscale sensor device that he hopes one day will be used to sniff out cancer much like the olfactory capabilities of trained working dogs. He is also co-founder of the startup company Graphene Frontiers, which is headquartered in the University City Science Center.



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