

The American Mathematical Society presents

The 2015 AMS Einstein Public Lecture in Mathematics



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Cancer by the Numbers

Saturday, March 7 at 5:00 p.m.

Lohrfink Auditorium in the Rafik B. Hariri Building,
Georgetown University • *Reception to follow*

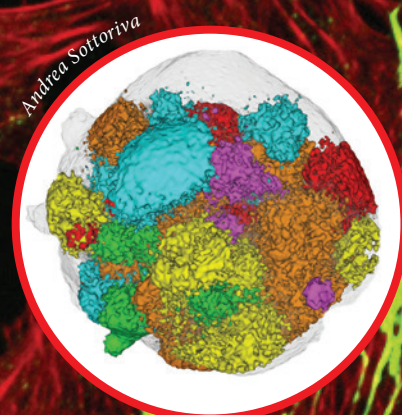
The mathematical sciences have contributed substantially to our understanding of the way cancer evolves. Cancer is a disease of the genome, so the focus of this lecture will be on mutations in DNA and how they inform us about tumor evolution.

We will discuss “tumor heterogeneity,” the DNA sequence variation observed between tumors and within them, and what this tells us about progression, treatment, and relapse. Along the way we will illustrate some of the underlying mathematics that have helped in this endeavor.

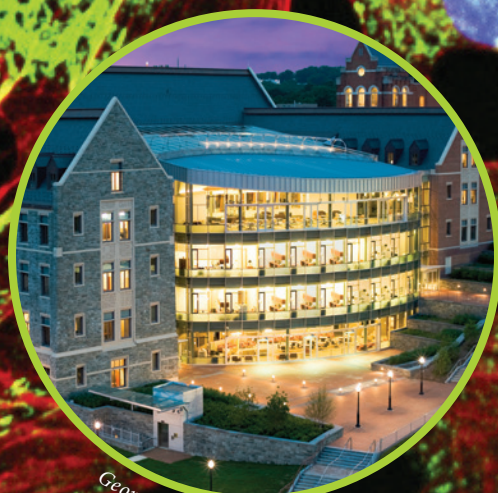
The Einstein Lecture is part of the
Spring 2015 AMS Eastern Sectional Meeting
(March 7–8) at Georgetown University.

For more information:

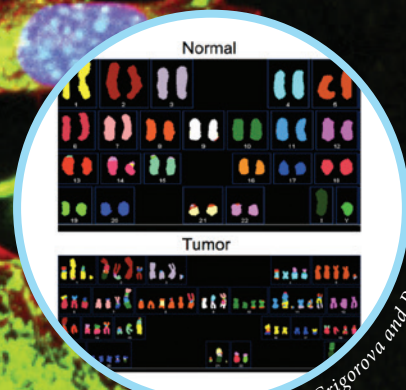
www.ams.org/meetings/sectional/2225_events.html
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Andrea Sottoriva



Georgetown University



Courtesy of Mira Grigorova and Paul Edwards