"Physics and the HIV Virus" by Robijn Bruinsma (UCLA)

**Date:**
Thursday, October 31, 2019 - 4:00pm

**Series:**
Physics and Astronomy Colloquium

Thursdays, 4:00-5:00 pm

**1-434 Physics and Astronomy** ([map](https://www.google.com/maps/place/1-434+Physics+and+Astronomy+Bldg,+Los+Angeles,+CA+90095/ UA))

**Reception from 3:45-4:00 p.m.**
(unless otherwise posted)

Guest Speaker: Robijn Bruinsma (University of California, Los Angeles)

**Talk Title:** “Physics and the HIV Virus”

**Abstract:** The intense research effort dedicated to the HIV virus and to other retroviruses has revealed our fundamental lack of understanding how the HIV virus "works". The colloquium will discuss how a combination of the physics of soft matter and of numerical simulations provides us with important insights into the different stages of the lifecycle of HIV. Conversely, the study of the operation of HIV provides statistical physics with interesting challenges, such as the apparent violation of the Second Law of Thermodynamics during the assembly process.

**For more information, contact** Yaroslav Tserkovnyak

**We thank the following people for their contributions to the wine fund for the post-colloquium reception:**

**Location:**
1-434 PAB