School of Natural Sciences
Physics Colloquium Series

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Lev Landau and the Physics of Viral Assembly

By Robijn Bruinsma
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Date: 10/21/16 **Time: 10:30 AM** **Location: COB 267**

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Abstract:

Landau theory has been very successful to describe phase transitions in liquid crystals, superconductors, superfluids, and magnetic materials. The talk will discuss how Landau theory can be applied to the assembly of viruses.

Bio:

Robijn Bruinsma is a theoretical physicist and is Professor of Physics at the University of California at Los Angeles and Chair of the Department of Theoretical Physics for the Life Sciences at Leiden University. He is a specialist in the theory of condensed matter. His research specialties include the numerical Simulation of active proteins and of Gene transcription, the self-assembly of viruses, DNA, and chromatin, the electrostatics of DNA and electrical transport along DNA, and adhesion of vesicles and cells.