The State Theatre and Lawrence Livermore National Laboratory present

SCIENCE on SCREEN

A three-week series of FREE science education lectures for middle, high school and college students that combines prominent scientists from LLNL with popular, feature-length films. Seating is first come, first served.

Sat. March 14, 2015

THE CARDIOID PROJECT

Simulating the Human Heart on One of the World's Fastest Computers

Dave Richards is a computational physicist in the Physical and Life Sciences Directorate at LLNL where he leads a team working with scientists at IBM to develop new models and methods for simulating the human heart using supercomputers.

David Richards, PhD-LLNL Scientist

Doors at 8:30 a.m. • Lecture at 9 a.m.

IRON MAN (PG-13-2008) • 10 a.m. to 12 p.m.

Sat. March 21, 2015

MENACING MICROBES

Protein Models Reveal Secrets

Beth Vitalis is the lead biologist on the LLNL Pathogen Bioinformatics team who has provided biological guidance of bioinformatics efforts supporting pathogen detection and characterization for numerous sponsors including the Centers for Disease Control (CDC).

Beth Vitalis, PhD- LLNL Biomedical Scientist

Doors at 8:30 a.m. • Lecture at 9 a.m.

CONTAGION (PG-13-2011) • 10 a.m. to 11:47 a.m.

Sat. March 28, 2015

COMPUTER SIMULATION:

Having Fun with Models and Robots

Vic Castillo is a research engineer at LLNL and uses computer simulation as a powerful tool. Projects he has worked on include simulation of turbulent fluids, hypersonic flows, neural networks, enterprise dynamics, and additive manufacturing (aka 3D printing). Vic also does a lot of STEM outreach including mentoring robotics teams, teaching simulation courses, and developing educational materials.

Vic Castillo, PhD-LLNL Scientist

Doors at 8:30 a.m. • Lecture at 9 a.m.

ROBOT AND FRANK (PG-13-2012) • 10 a.m. to 11:30 a.m.

Lawrence Livermore National Laboratory

COOLIDGE CORNER THEATRE

SCIENCE ON SCREEN

An initiative of the COOLIDGE CORNER THEATRE

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