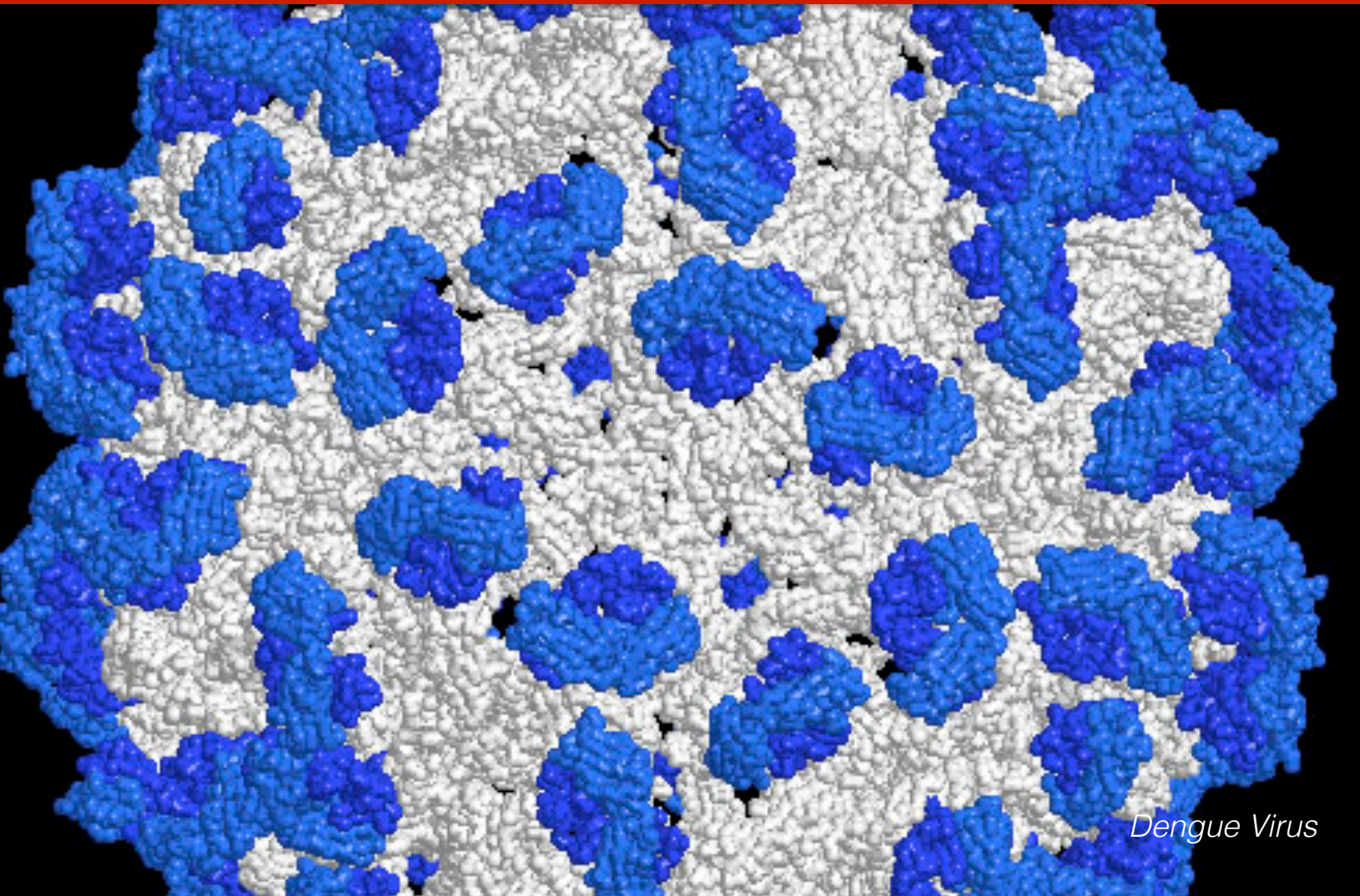


# HST.S49 **MAKER LAB**

## Creating Technologies to Re-invent Health Care



*Dengue Virus*

**SPRING 2014** PROFESSOR LEE GEHRKE  
WED 9-10 AM JOSE GOMEZ-MARQUEZ  
LEC: E25-117 ANNA YOUNG  
FRIDAY 9-11 AM GRACE TEO  
LAB: N52-394

The disparities in affordable healthcare technology are a growing part of increasing healthcare costs in the U.S. and around the world. We will use and design do-it-yourself medical technologies — creative biosensors and health construction kits — to create accessible, patient centered solutions. Students will learn affordable prototyping and design strategies for health and medicine that can be applied in the American healthcare system and in low resource settings. Hands-on weekly labs include paper diagnostics, microcontroller applications, wearable sensors, mobile health app design and health kit architectures.



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