

**NAM TRAN, PHD**  
ASSOCIATE PROFESSOR

**DEPARTMENT OF  
PATHOLOGY & LABORATORY MEDICINE  
GRAND ROUNDS  
MONDAY, June 18, 2018  
12:00 – 1:00PM  
PATHOLOGY BUILDING, PATH 1002  
4400 V STREET  
SACRAMENTO, CA 95817**

**CardioVision: Non-Contact Heart Rate Monitoring of Burn Patients**

Presented by:

**Michelle Mao, Tanishq Abraham, Connor Dougherty, Ben Price and Sagar Shah**

Objectives:

- 1) Discuss theory of remote photoplethysmography with a RGB camera to detect burn patients heart rate
- 2) Describe implementation of remote photoplethysmography in continuous, non-contact heart rate measurement device
- 1) Describe current limitations and issues in heart rate measurement of severely burned patients.

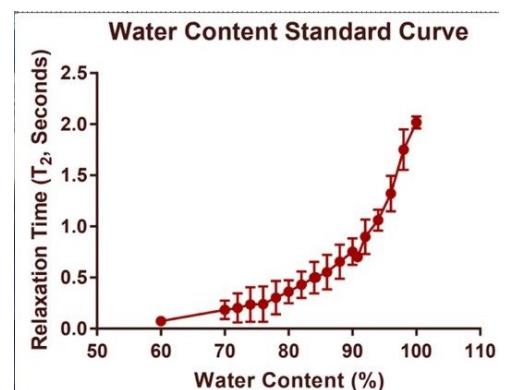
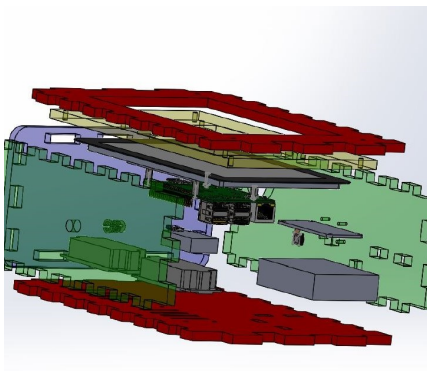
**NMR Relaxometry as a Tool for Measuring Plasma Water Content in the Clinical Laboratory**

Presented by:

**Joseph Pourtabib, John Madsen, Shahab Chizari and Johnny Phan**

Objectives:

- 1) Define plasma water content
- 2) Describe the clinical significance of measuring plasma water content
- 3) Discuss Nuclear Magnetic Resonance as a non-destructive method of measuring plasma water content



**ACCREDITATION:**

The University of California Davis Health is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

**CREDIT DESIGNATION:** The University of California Davis Health designates this live activity for a maximum of 1 MA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**UC DAVIS  
HEALTH**

*Department of Pathology and  
Laboratory Medicine*