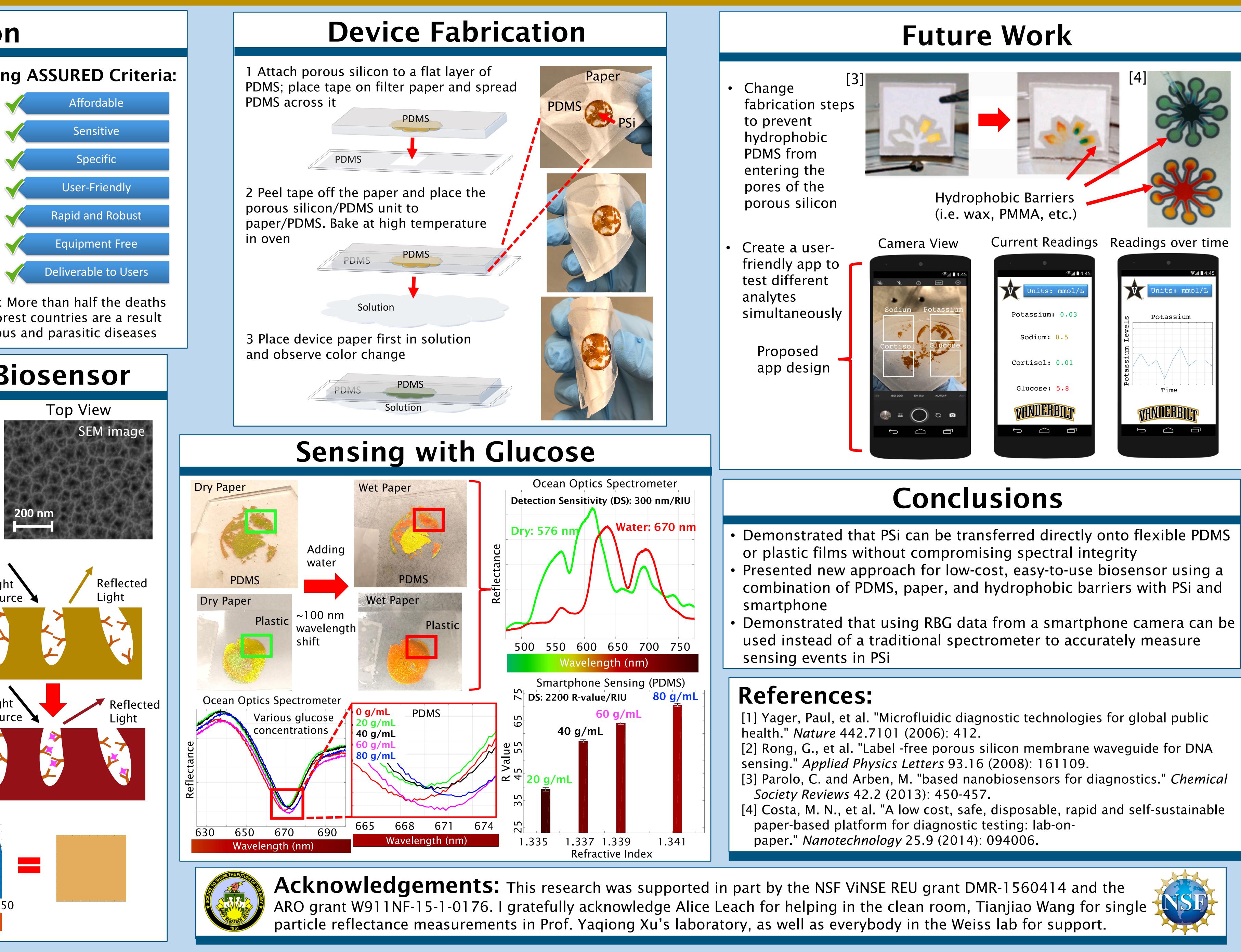


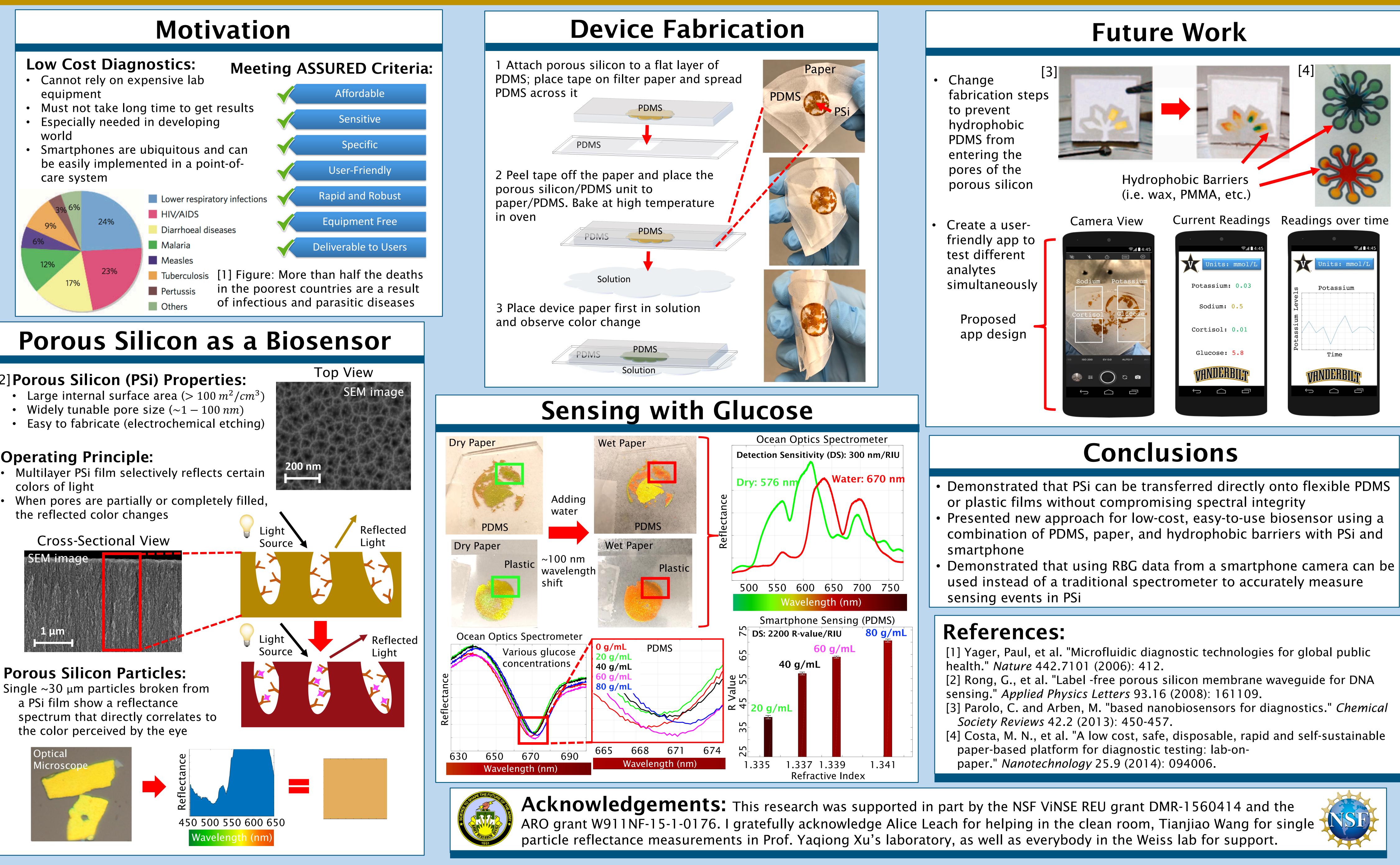
[2] **Porous Silicon (PSi) Properties:**

- Widely tunable pore size $(\sim 1 100 nm)$

Operating Principle:

- Multilayer PSi film selectively reflects certain colors of light
- When pores are partially or completely filled, the reflected color changes





Porous Silicon Flakes on a Flexible Substrate for Real-Time Biosensing using Smartphone Technology Caitlin Carfano¹, Tengfei Cao², and Sharon M. Weiss³

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