

Join our Webinar on April 12<sup>th</sup>, 2024 from 9 am – 10 am EDT

## ***Smart Contact Lenses and Wearable Devices for On-Demand Healthcare Applications***

Dr. Hahn leads a research team that developed a smart contact lens for both continuous diabetic monitoring and diabetic retinopathy therapy. Smart contact lens could measure tear glucose levels as a non-invasive alternative to the conventional blood glucose tests and deliver drugs from gold coated reservoirs for the treatment of diabetic retinopathy. We also developed a smart NIR light emitting contact lens for the diabetic diagnosis and the treatment of diabetic retinopathy. The retinal vascular hyper-permeability induced by diabetic retinopathy in rabbits was reduced to the statistically significant level by simply wearing the NIR light emitting contact lens. This presentation will provide the current state-of-the-art smart wearable devices for further clinical applications.



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### **Meeting Information:**

Zoom link:

<https://us06web.zoom.us/j/81322678149?pwd=uFO7qWC4kFWaHrWfvv0BmTCpGEe0Kb.1>

**Meeting ID: 813 2267 8149**

**Passcode: 680723**

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### **Webinar Time Zones**

BST 14-15; CEST 15-16;  
PDT 06-07; ChinaST 21-22



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