

Optics and Photonics Group
Lunchtime Seminar
**“Monitoring oxygen
muscle saturation using
photonic textiles”**

James Bradbury



1:00pm Wednesday 13th March 2019
203 Tower building
All Welcome

http://optics.nottingham.ac.uk/wiki/Talks_2019



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As electronic components have shrunk the availability of wearable technology has allowed real time data to be collected to evaluate the performance and exertion of athletes, both in training and competition. In this talk I will outline my progress in designing and implementing a fibre optic based system for monitoring muscle oxygenation and how I plan to combine it with a custom designed pressure sensor for the evaluation of the benefits of sports compression garments.