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Nano Bio Medicine: Current Technology, Challenges and Future Directions

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Nanotechnology is a new exciting field that has the potential to transform the way that medical and healthcare solutions are being developing. At the Oxford Physics Department we research on the newest techniques and materials at the nanoscale level. We apply this knowledge directly first to learn the relevant biology at the single molecule level and then to utilize the science and the technology to solve the most pressing medical problems of the 21st century. The talk will be focus on our latest projects from basic research to potential Medical applications.

Biography:

Sonia Trigueros is a Nano-Bio-Systems group leader and associated researcher at zoology department, oxford university. She is also a academic visitor at physics department, oxford university and co-director of the oxford martin programme on nanotechnology, England.