Evdokia Kassinis Kastanou

Biomedical Imaging and Applied Optics
Laboratory
Dept. Of Electrical & Computer
Engineering
University of Cyprus

Research Profile

Evdokia works on Surface Enhanced Raman Spectroscopy (SERS). This can be used for the identification of minute quantities of chemicals or particles, such as bacteria. The, normally, weak signal can be enhanced if the sample is placed on a surfaced with appropriately configured metal nanoparticles. Our group aims to develop novel diagnostic devices based on SERS. Initial results indicate that both bacterial identification and antibiotic sensitivity testing are possible. We are interested in the design and construction of specifically optimized nano-surfaces which will lead to maximum signal as well as the clinical feasibility studies to prove the concept.

Other interests

Evdokia also has two kids, whom she loves spending time with and teaches at the University

Relevant Links or info

For further information about her department's research pelase view http://www.eng.ucy.ac.cy/biaolab/People/index.html