

Nanowires for bioapplications

Christelle N. Prinz

Division of Solid State Physics and NanoLund, Lund University, Sweden

Semiconductor nanowires are very promising tools for biological applications. Their small dimensions, which are on the same length scale as many cell components, make them an ideal tool to probe and stimulate cells with minimal perturbation. In this talk I will review our work towards using nanowires for neural implant^{1,2} and biosensor applications³⁻⁵, as well as our studies towards understanding and controlling the cell-nanowire interface^{6,7}.

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