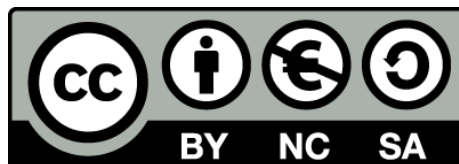




Electric polarization properties of single bacteria measured with electrostatic force microscopy

Theoretical and practical studies of Dielectric constant of single bacteria and smaller elements

Daniel Esteban i Ferrer



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Daniel Esteban i Ferrer
Barcelona, September 2014

DOCTORAL THESIS

UNIVERSITAT DE BARCELONA
Facultat de Física
Departament d' Electrònica

Propietats de polarització elèctrica de bacteries individuals mesurades utilitzant microscopia de força electrostàtica

Estudis teòrics i pràctics de la constant
dielèctrica de bacteries individuals i elements
més petits

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"I never teach my pupils, I only provide the conditions in which they can learn..."

Albert Einstein (1879-1955)

"The general population doesn't know what's happening and it doesn't even know that it doesn't know..."

Noam Chomsky (1928)

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