

Abstract Submitted
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Getting DNA by using Silver Spears SAMANTHA SEL-
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NANOTECH GROUP TEAM — Silver nano needles were prepared
with a glancing angle magnetron sputtering deposition method. The
tips of the silver needles are about 150 nm sharp. Negatively charged
DNA molecules with a length of 150 nm and a width of 3 nm were sus-
pended in a Trish-HCl buffer solution. A positive potential was applied
to the silver needles. The silver needles were submerged into the buffer
solution. Due to the electrical tip effect, DNA molecules were collected
by Coulomb attraction force. Silver needles with DNA deposition were
studied with a scanning electron microscope and an atomic force micro-
scope.

Prefer Oral Session

Prefer Poster Session

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