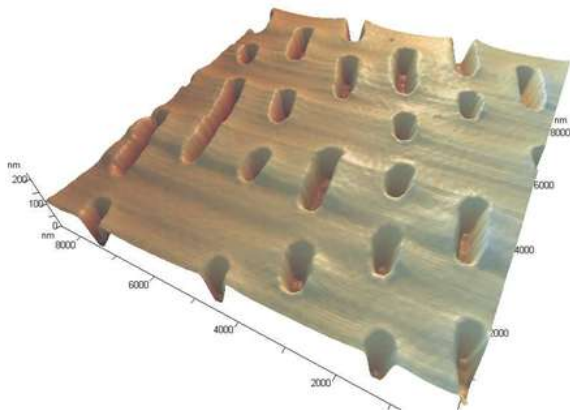


## The scanning probe microscope at the "Look - it's NANO"

On september 10 at the festival "Day of the Higher School of Economics " was presented the exhibition of "RUSNANO" . One of the exhibits was the scanning probe microscope " FemtoScan . "



To familiarize visitors with the basic principles of the microscope was made a presentation showing the schematic illustration of the microscope " FemtoScan ", as well as images of coliform bacteria , blood cells and the surface of a human hair , obtained by atomic force scanning.



To demonstrate the operation of the microscope during the exhibition microscope " FemtoScan" was working. As the scanned sample was taken a piece of CD- ROM with information recorded on it . The result of scanning the surface of the CD was a perfect way that helped everyone to understand the principle of encoding information on the CD- drives, which is commonly used at the present time .

Interested visitors did not believe that such a simple principle of the microscope allows to obtain clear images of objects that are less than one-millionth of a meter . That caused numerous requests to scan the surface of the CD- ROM directly in front of them . Visitors are also given the opportunity to see the most important part of the microscope - cantilever.