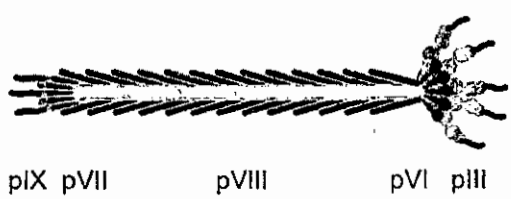
Figure 1.

a



b

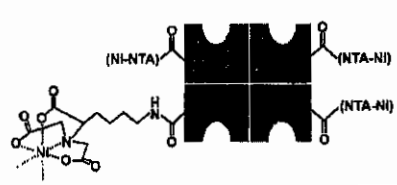


Figure 2.

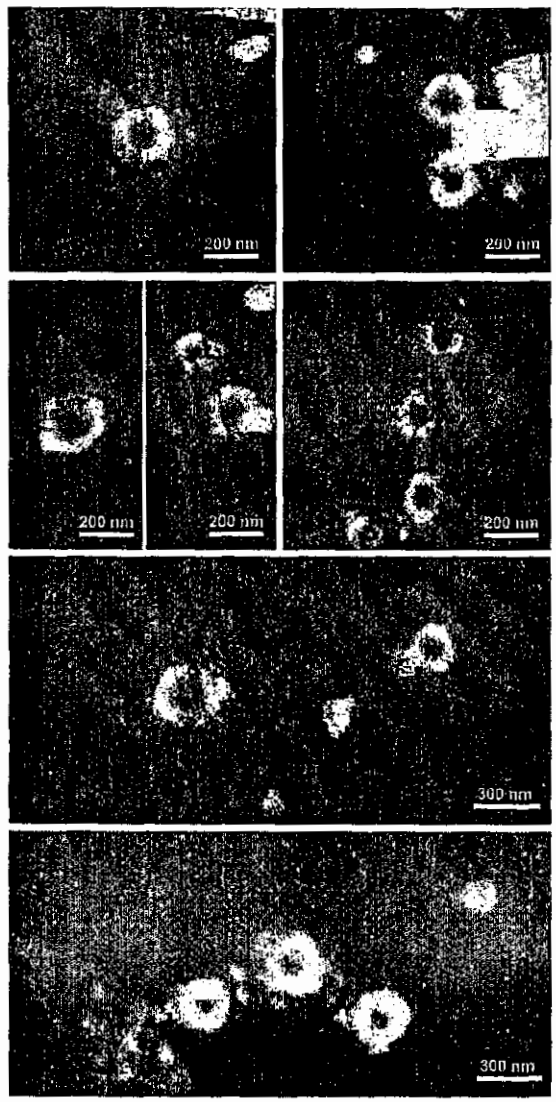
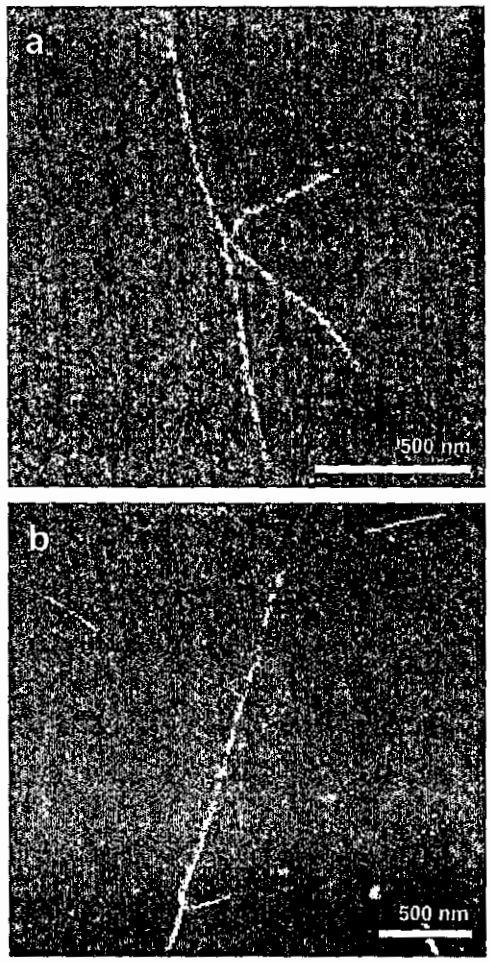


Figure 3.



Figure 4.



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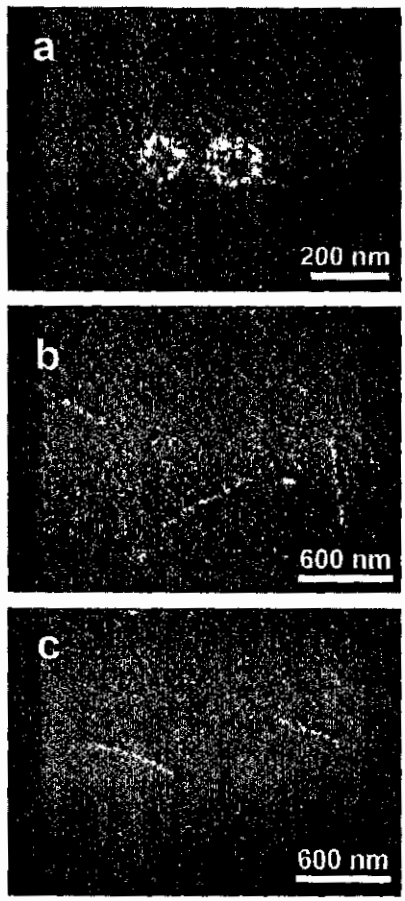

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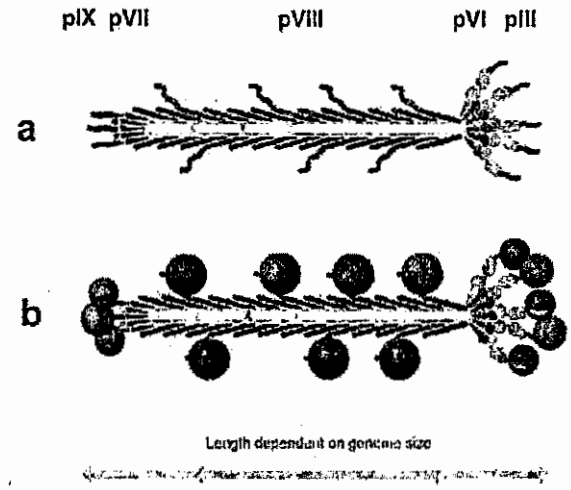

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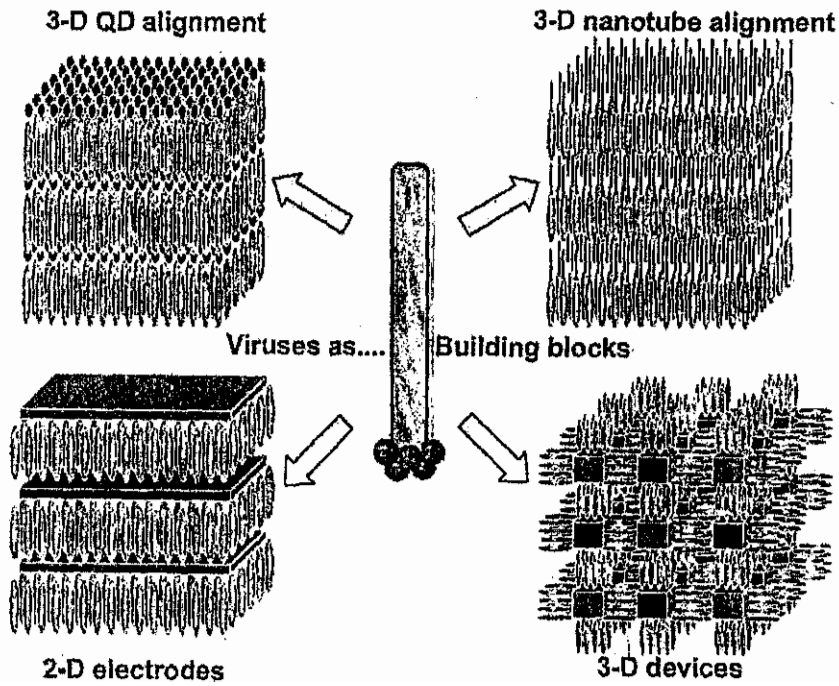
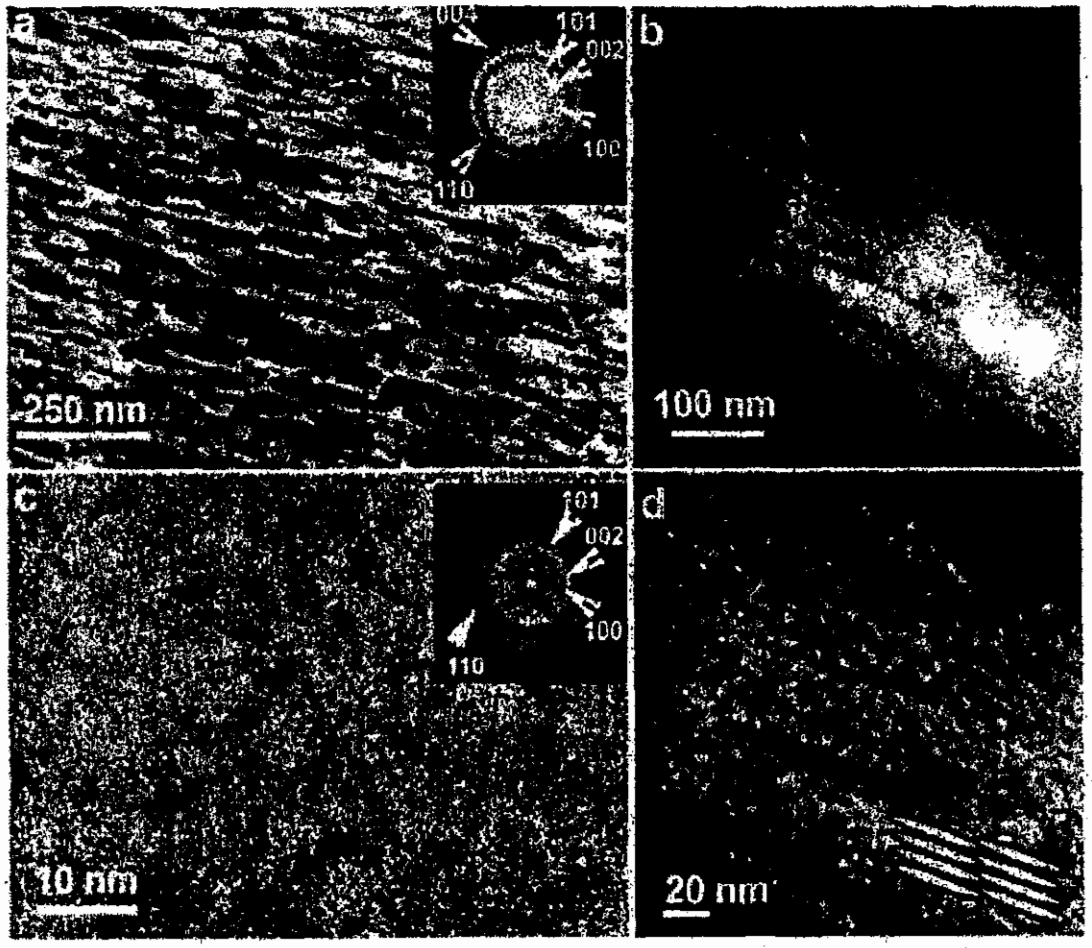

3-D QD alignment
3-D nanotube alignment
Viruses as....
Building blocks
2-D electrodes
3-D devices

Figure 8.



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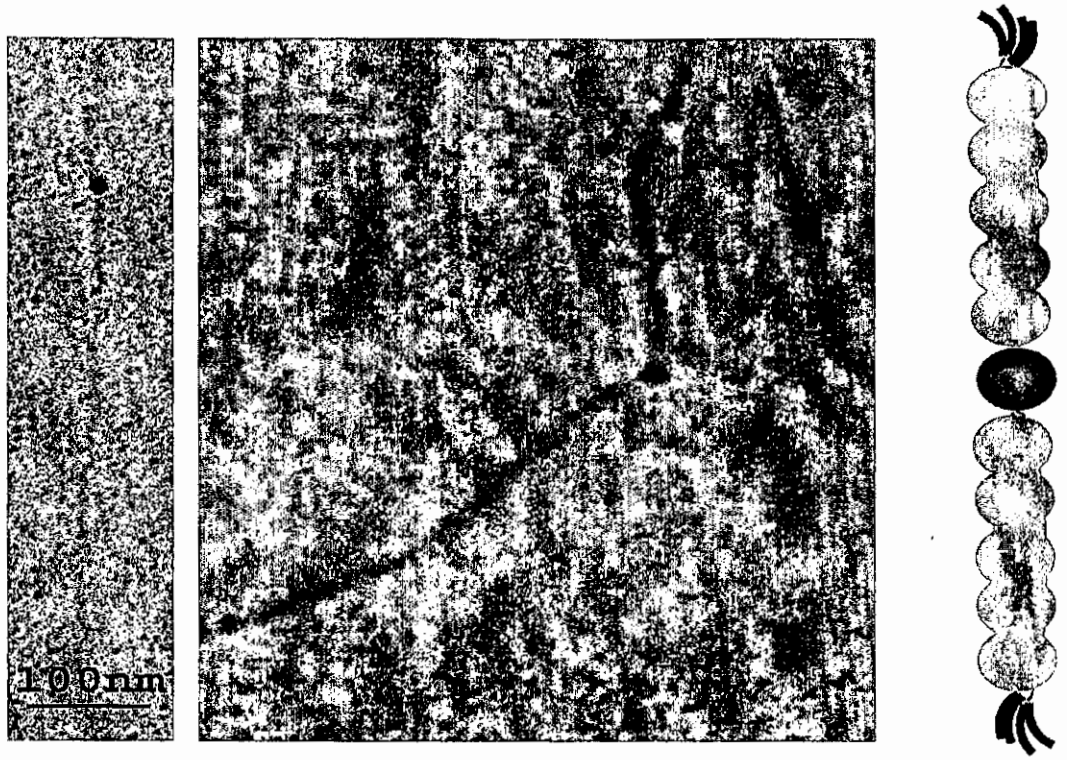

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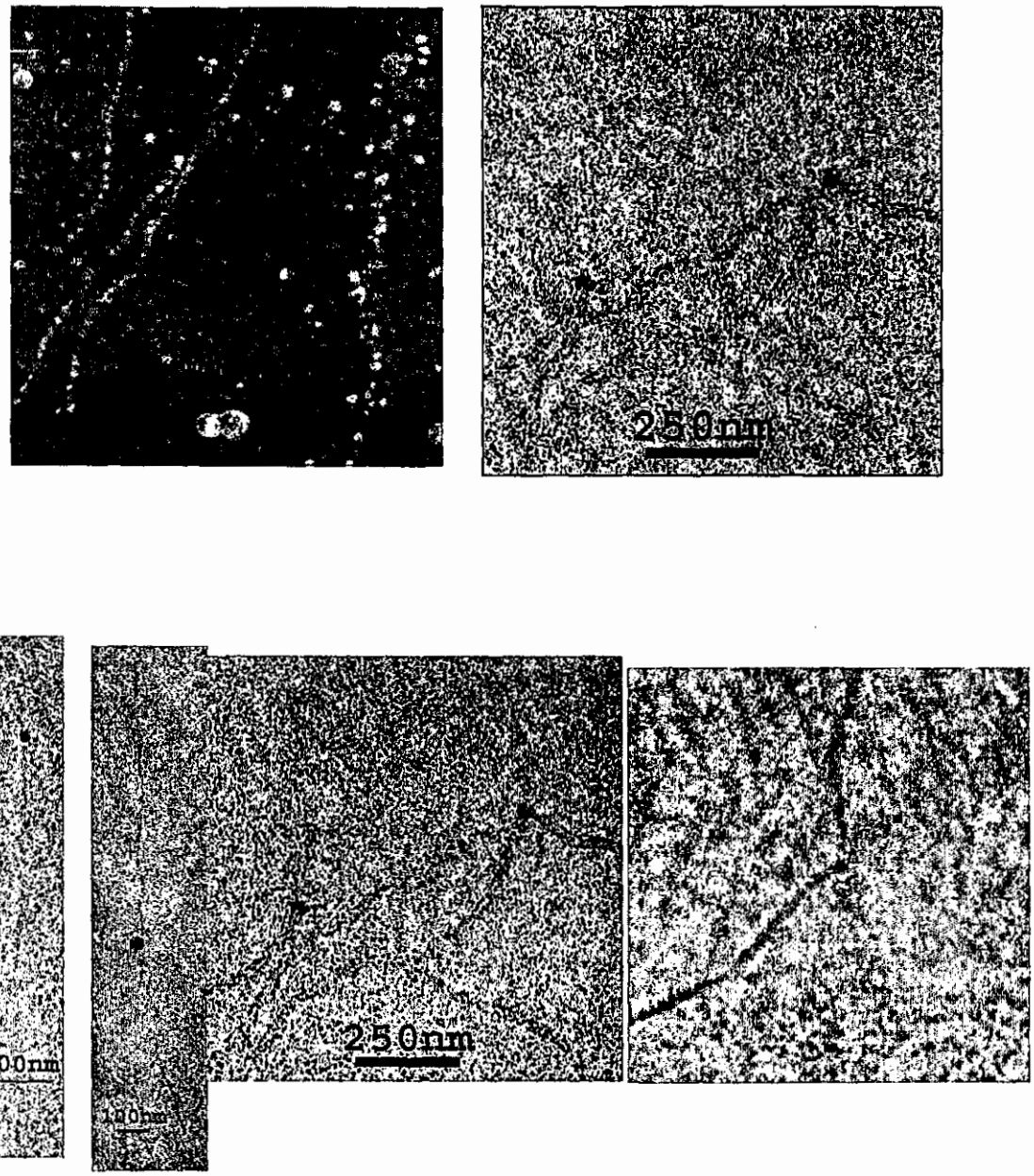

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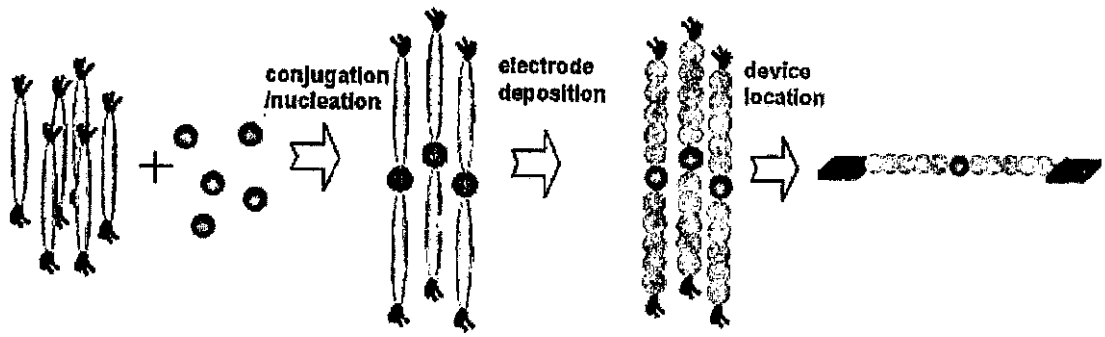
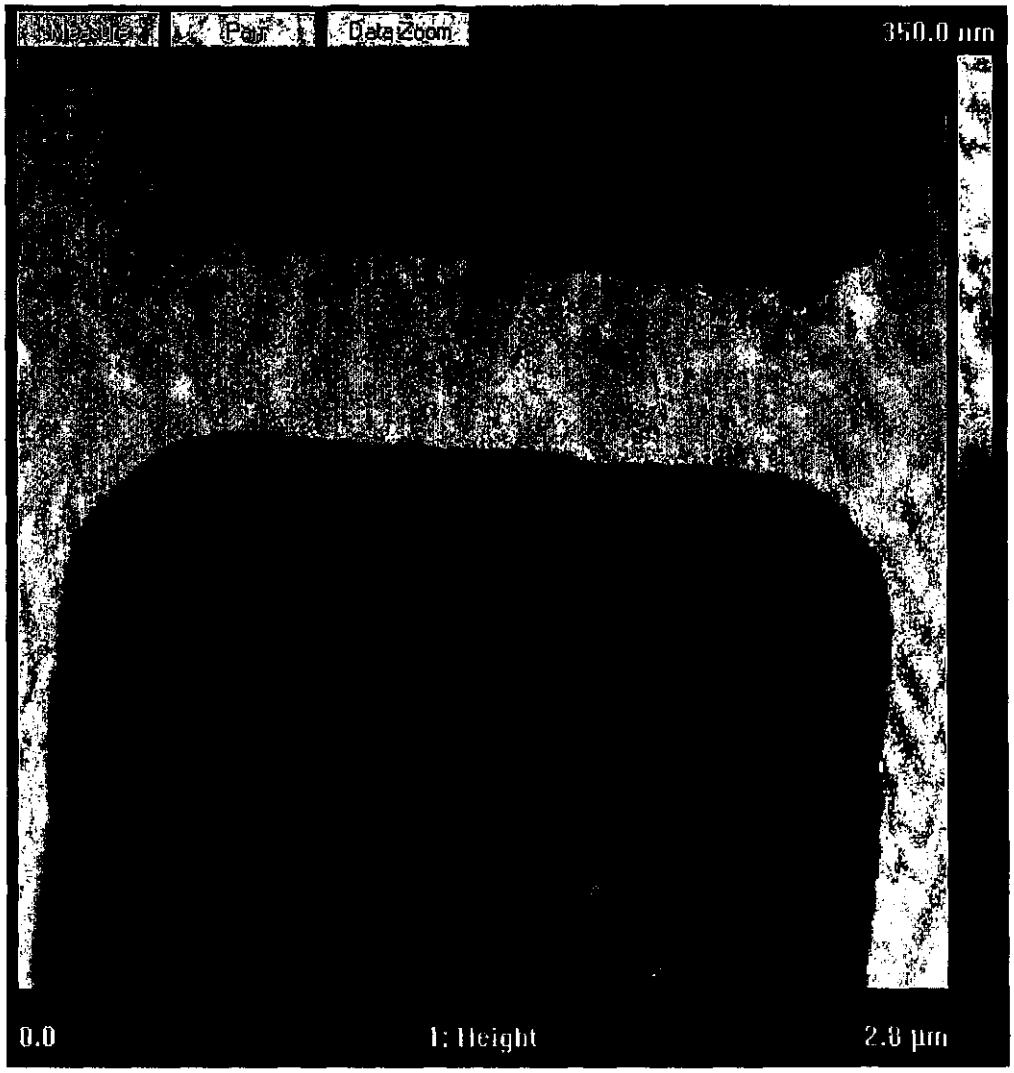

conjugation
/nucleation
electrode
deposition
device
location

Figure 12.



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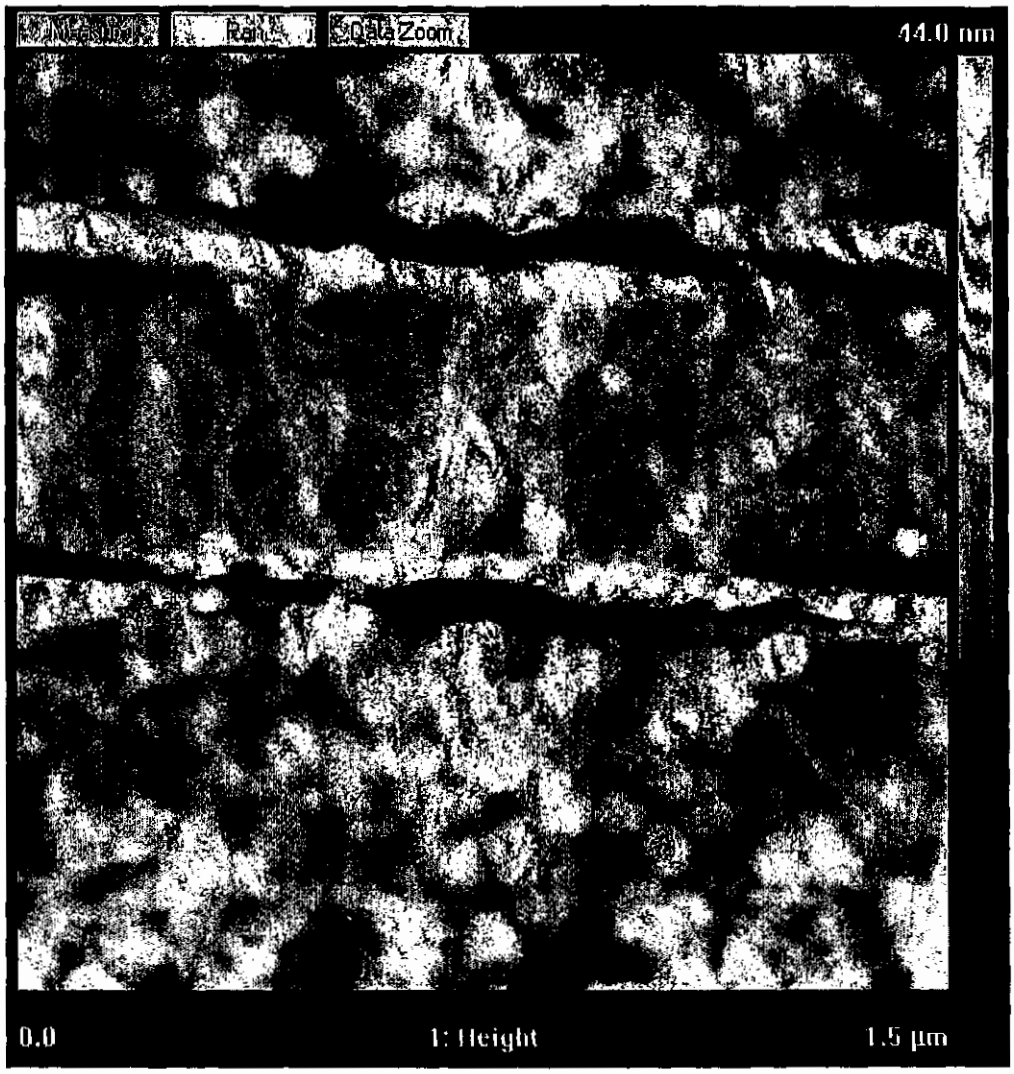

Figure 14

