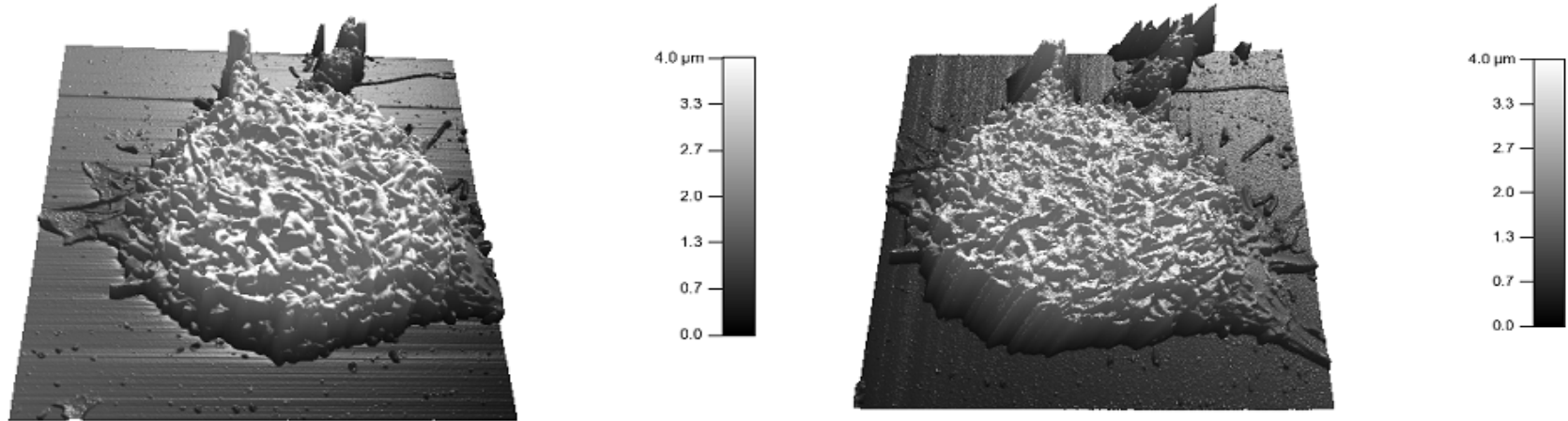


# Topographic Comparison of Rat Basophilic Lymphocyte using standard Si and C|D|I CNT AFM Probes



“The carbon nanotube AFM probes from CDI reveal the most accurate surface morphology, especially for cellular samples such as rat basophilic lymphocytes cells. The topographic images shown in Fig. 1 compare the results of CCHAR probes with the best commercial probes towards cellular imaging. Note that the artifact of cliff-shaped edges is no longer present in the case of CCHAR imaging.

All observations reflect upon the superior geometry of these CCHAR probes, which exhibit little convolution in AFM imaging. We certainly hope to see these advantages among other biological specimens such as, proteins, tissues and biopolymeric materials.”

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Fig. 1: Atomic force microscope topographic images of identical rat basophilic lymphocyte.

- a) Topographic image using CCHAR cantilever, 15 x 15  $\mu\text{m}$  scan.
- b) Topographic image using commercial silicon cantilever, 15 x 15  $\mu\text{m}$  scan.

*Image courtesy of J. Koehne<sup>1,2</sup> and Dr. G. Y. Liu<sup>2</sup>*

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