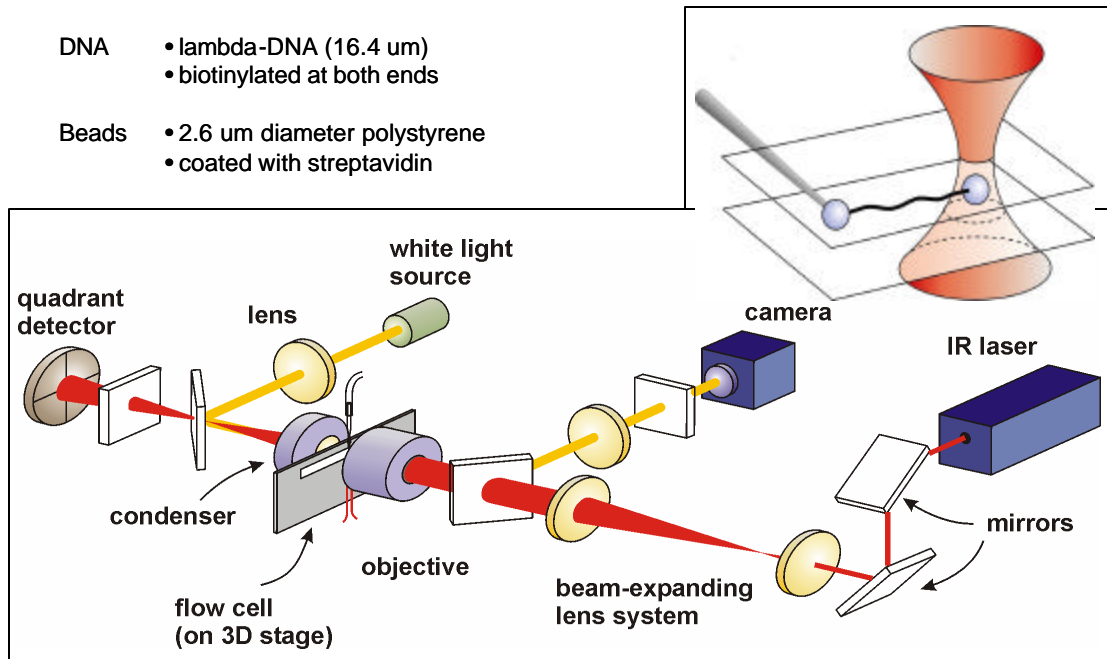


Optical Tweezers Instrumentation:

In collaboration with Martin Bennink, Ph.D.,

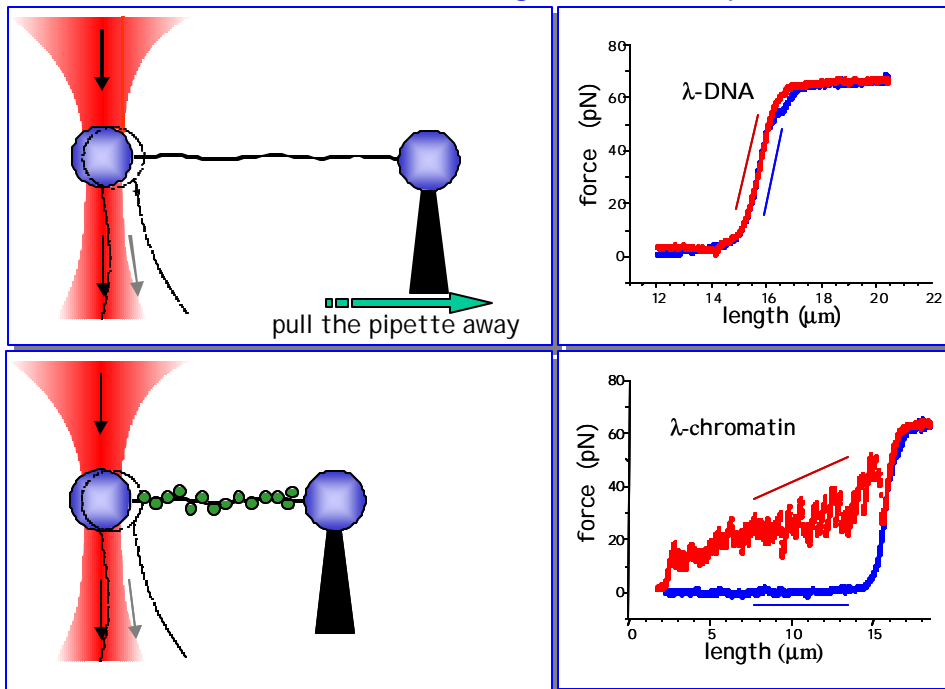
(http://www.mesaplus.utwente.nl/about_mesa/Martin_Bennink.doc/) of the University of Twente, The Netherlands, we have used optical tweezers to study chromatin dynamics.

Optical tweezers

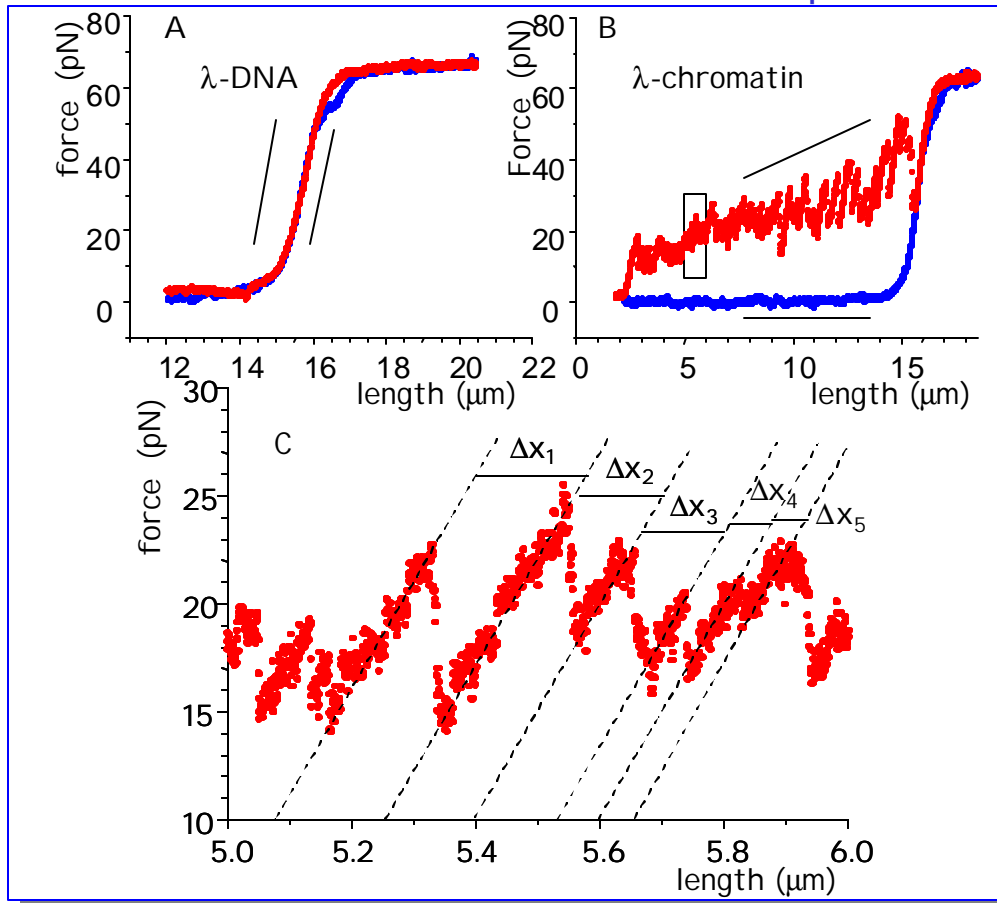


Using this instrument, we were the first to measure individual nucleosomal strength in a fiber context.

DNA and chromatin stretching with laser optical tweezers



Pulling apart a single *X. laevis* extract-assembled λ -chromatin fiber reveals discrete disruption events



We are continuing these experiments in collaboration with Martin to study chromatin dynamics.

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