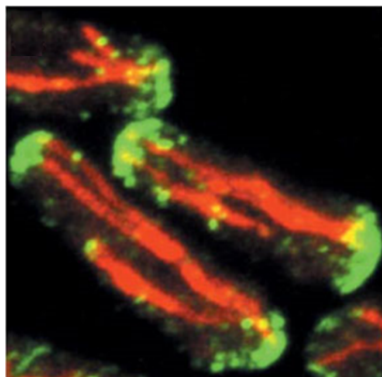


ASRC - City College of New York

Seminar in Biochemistry, Biophysics & Biodesign



Wednesday, October 13, 2021

12:00 – 1:00 PM

Marileen Dogterom

Professor, Department of Bionanoscience
Delft University of Technology
Kevli Institute of Nanoscience
Delft, The Netherlands

Reconstituting cytoskeletal systems in artificial cells

ABSTRACT In my group we are interested in understanding how dynamic and force-generating properties of the cytoskeleton contribute to the spatial organization of cells. I will highlight recent advances (and challenges) in our efforts to reconstitute minimal, functional cytoskeletal systems in artificial confinement. An example is the reconstitution of basic mitotic spindles in microfluidic droplets. These efforts fit in a long-term ambition to build, in collaboration with others, a minimal synthetic cell from scratch.

View this seminar live via Zoom at:

<https://gc-cuny.zoom.us/j/4954048198?pwd=eVlkMFdHcjV6d3pkYzB4V2VtbHJGdz09>

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