

Unraveling the Biomolecular Snapshots of Mitosis in Healthy and Cancer Cells Using Plasmonically- Enhanced Raman Spectroscopy

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Supporting information 1

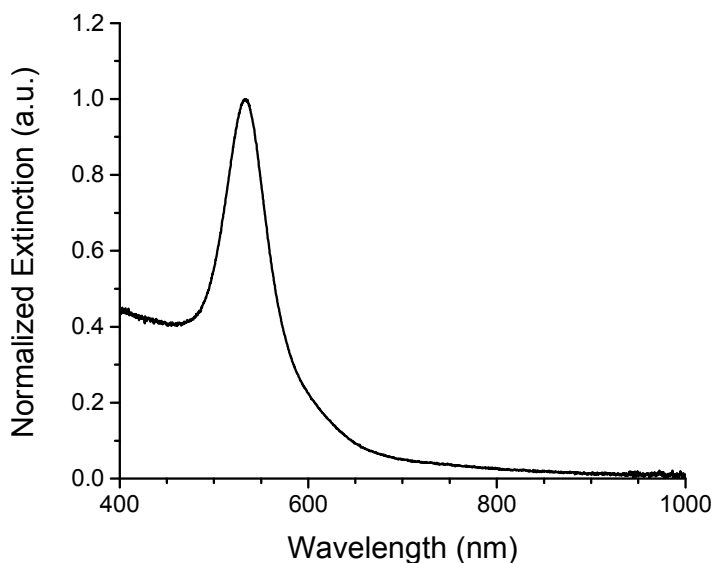


Figure S1. Extinction spectrum of Au NCs.

Supporting information 2

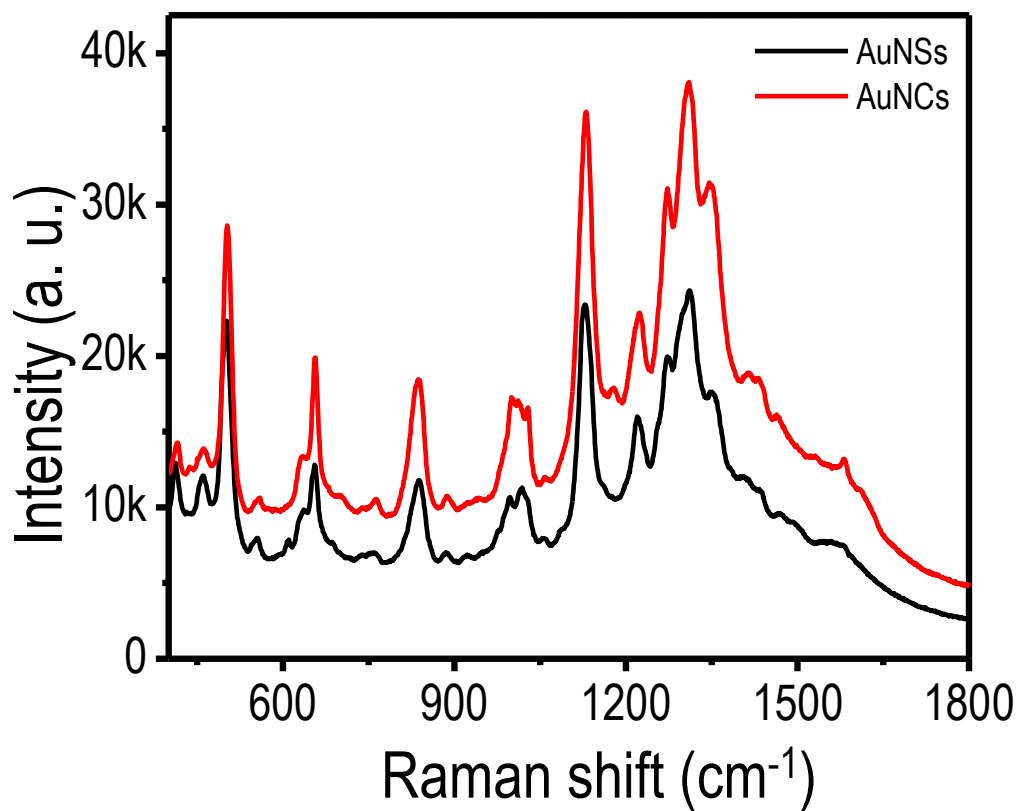


Figure S2. SERS spectra of collected from HSC cell at G1 phase using AuNSs (black trace) and AuNCs (red trace).

Supporting information 3

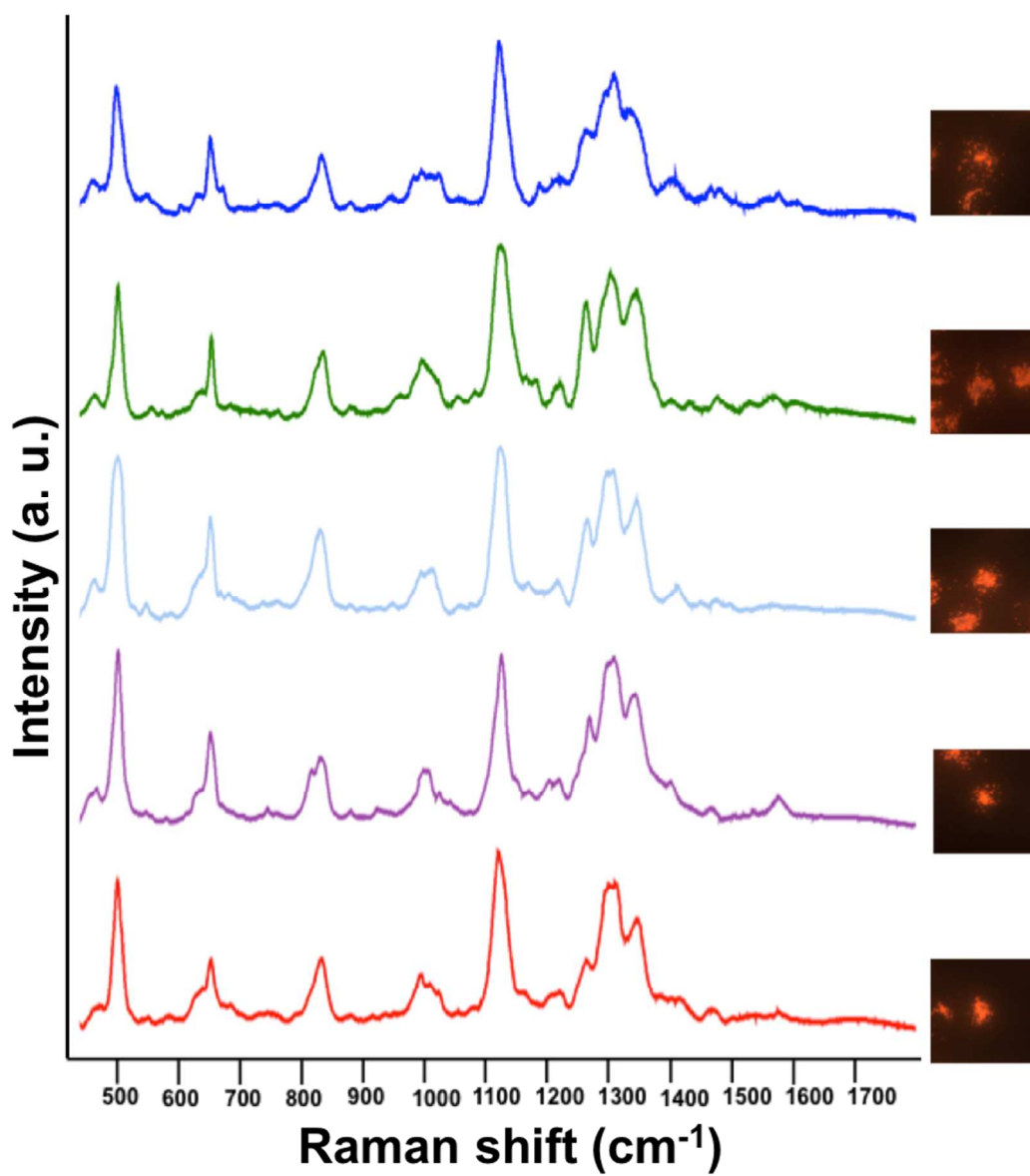


Figure S3. SERS spectra collected from different HSC cells (synchronized to G1 phase). Corresponding dark-field images are also given.

Supporting information 4

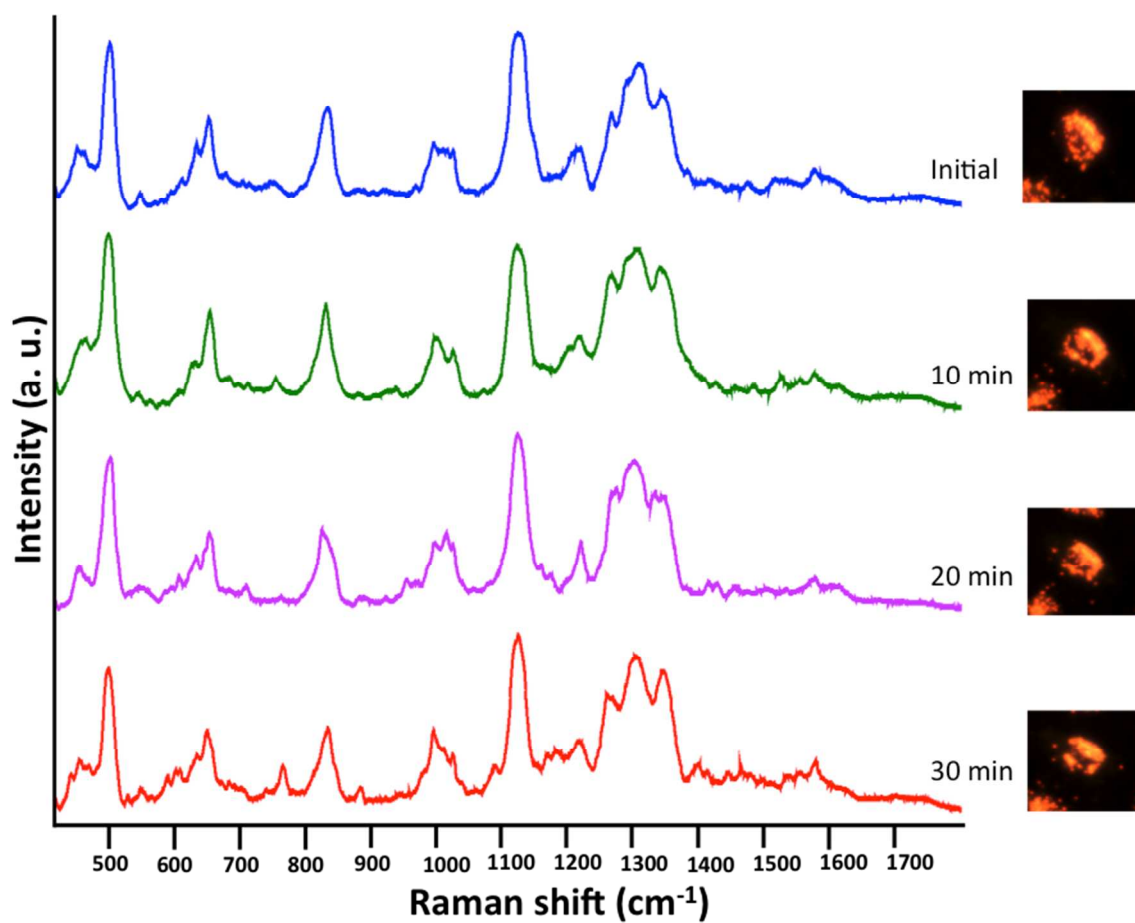


Figure S4. SERS spectra collected from a single cell (synchronized to G1 phase) at different time intervals. Corresponding dark-field images are also given.

Supporting information 5

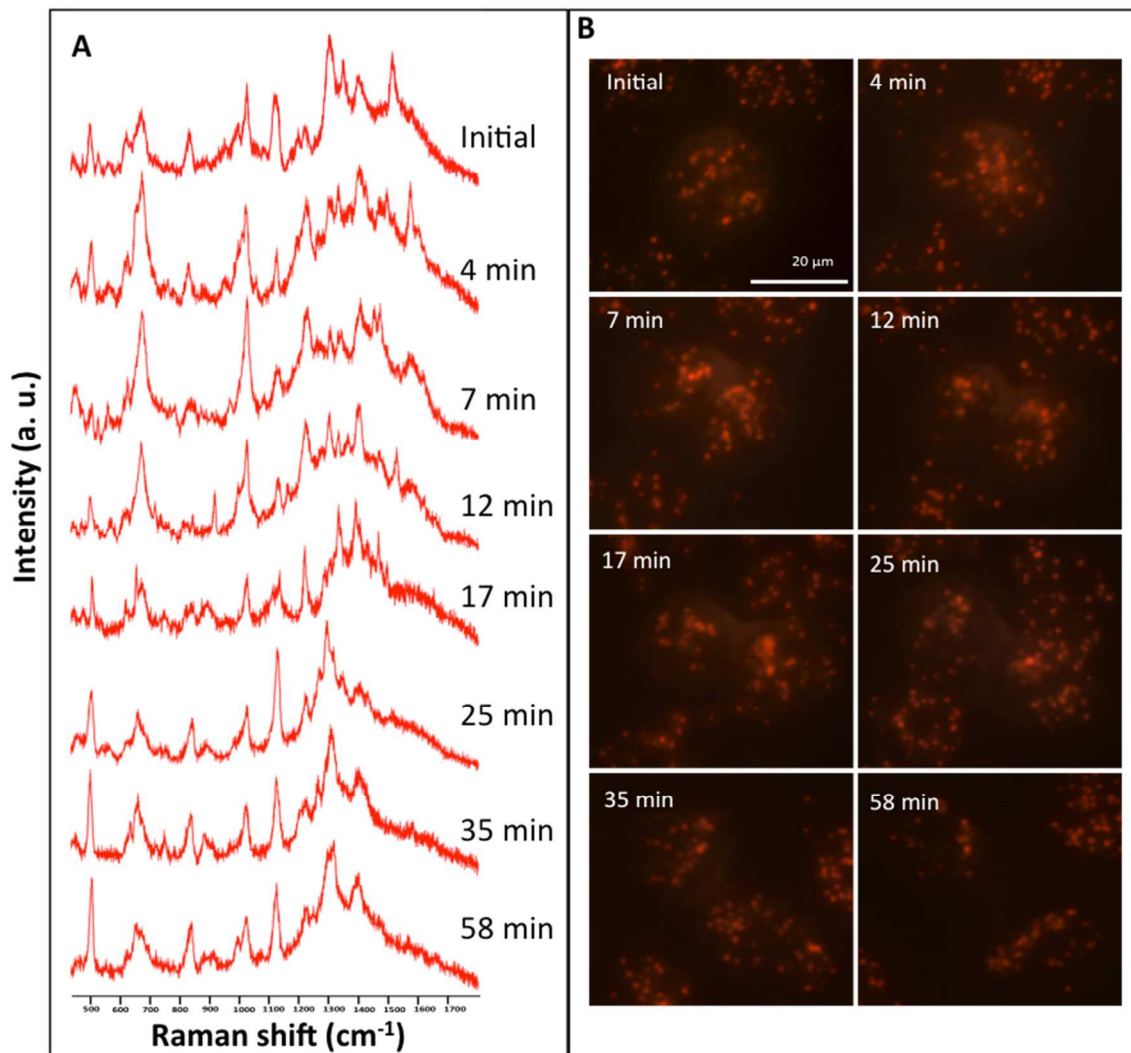


Figure S5. Time dependent SERS spectra collected from the HSC cells at different stages of mitosis (A). Dark-field images collected at respective time are also given (B).

Supporting information 6

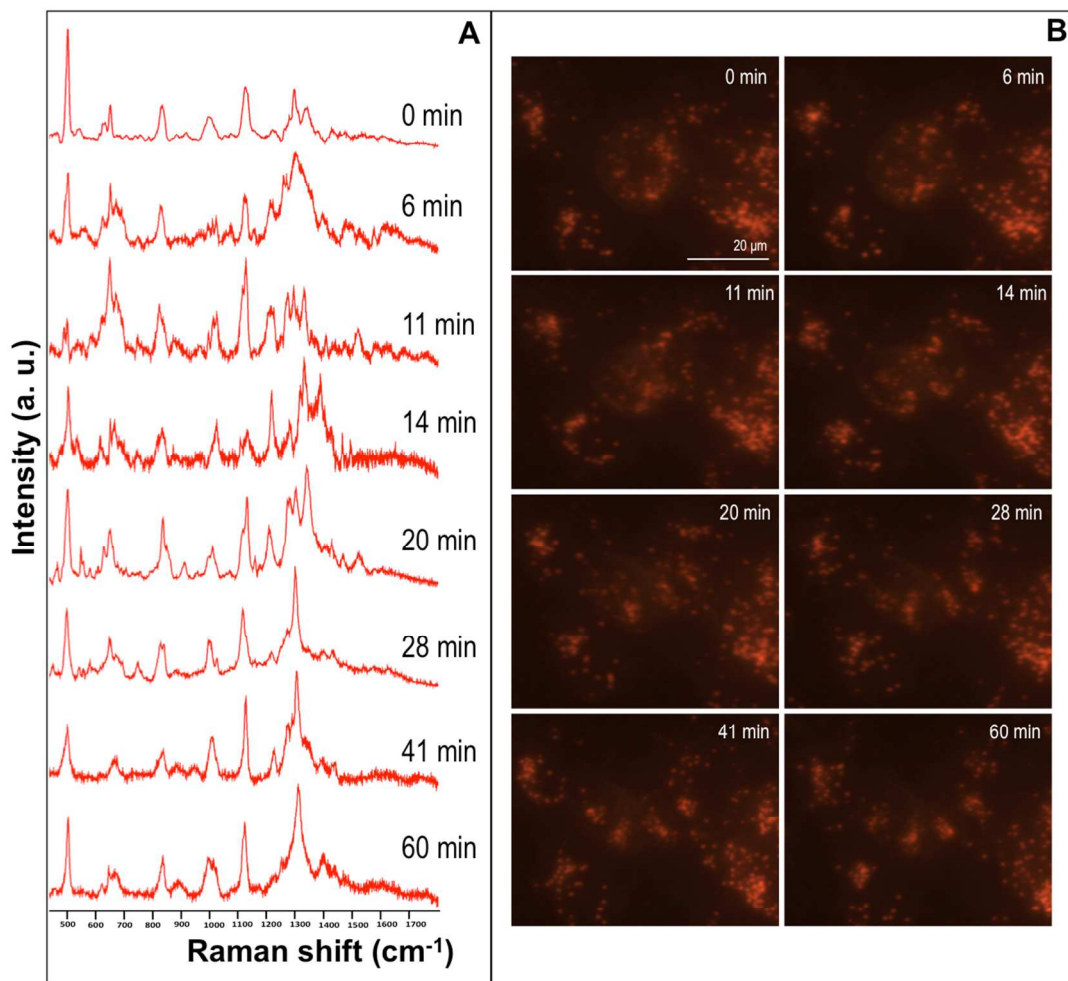


Figure S6. Time dependent SERS spectra collected from the HaCaT cells at different stages of mitosis (A). Dark-field images collected at respective time are also given (B).

Supporting information 7

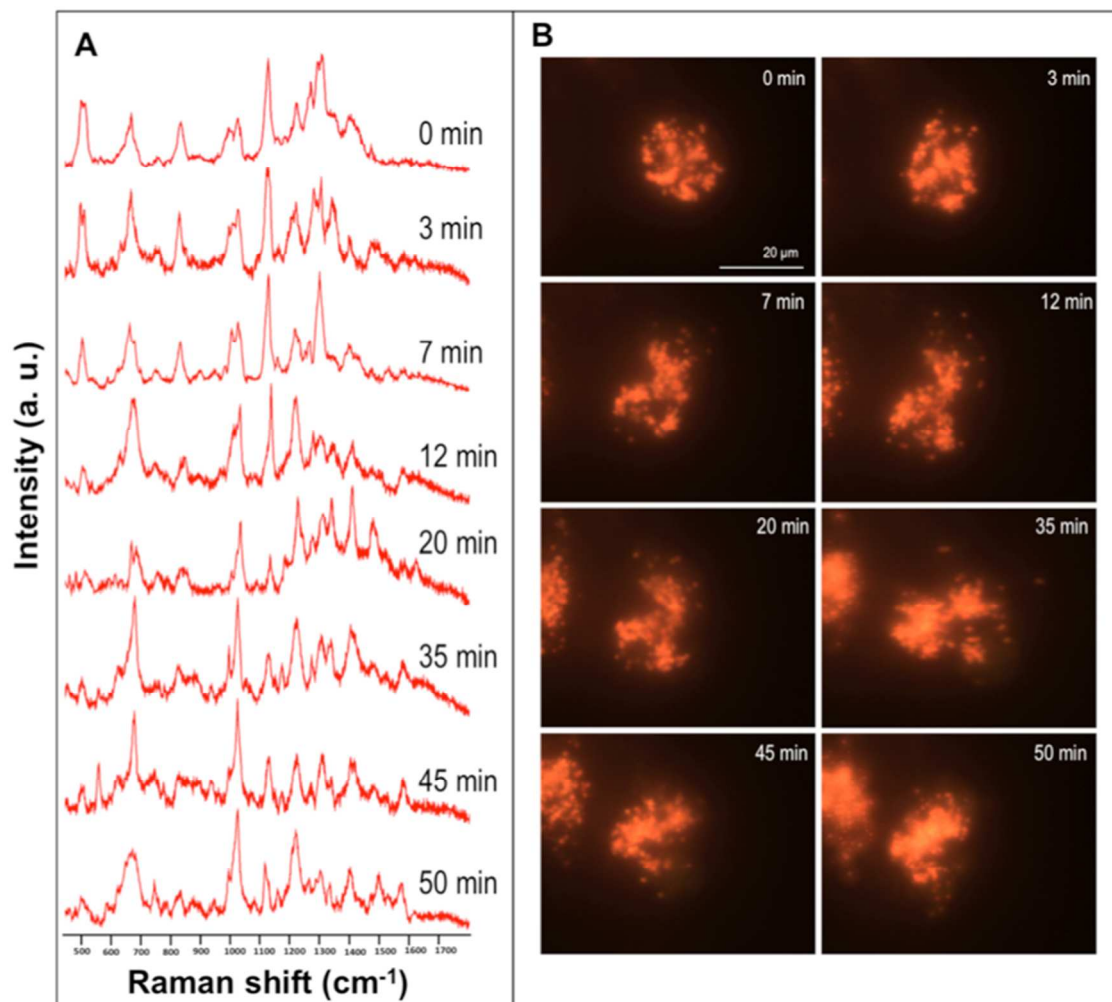


Figure S7. Time dependent SERS spectra collected from the HSC cells at different stages of cytokinesis failure process (A). Dark-field images collected at respective time are also given (B).

Supporting information 8

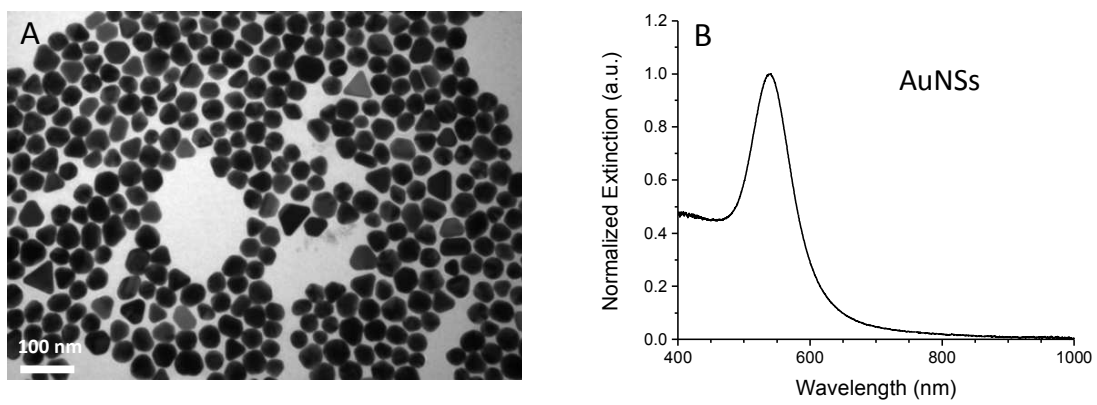


Figure S8. The TEM image (A) and extinction spectrum (B) of AuNSs.