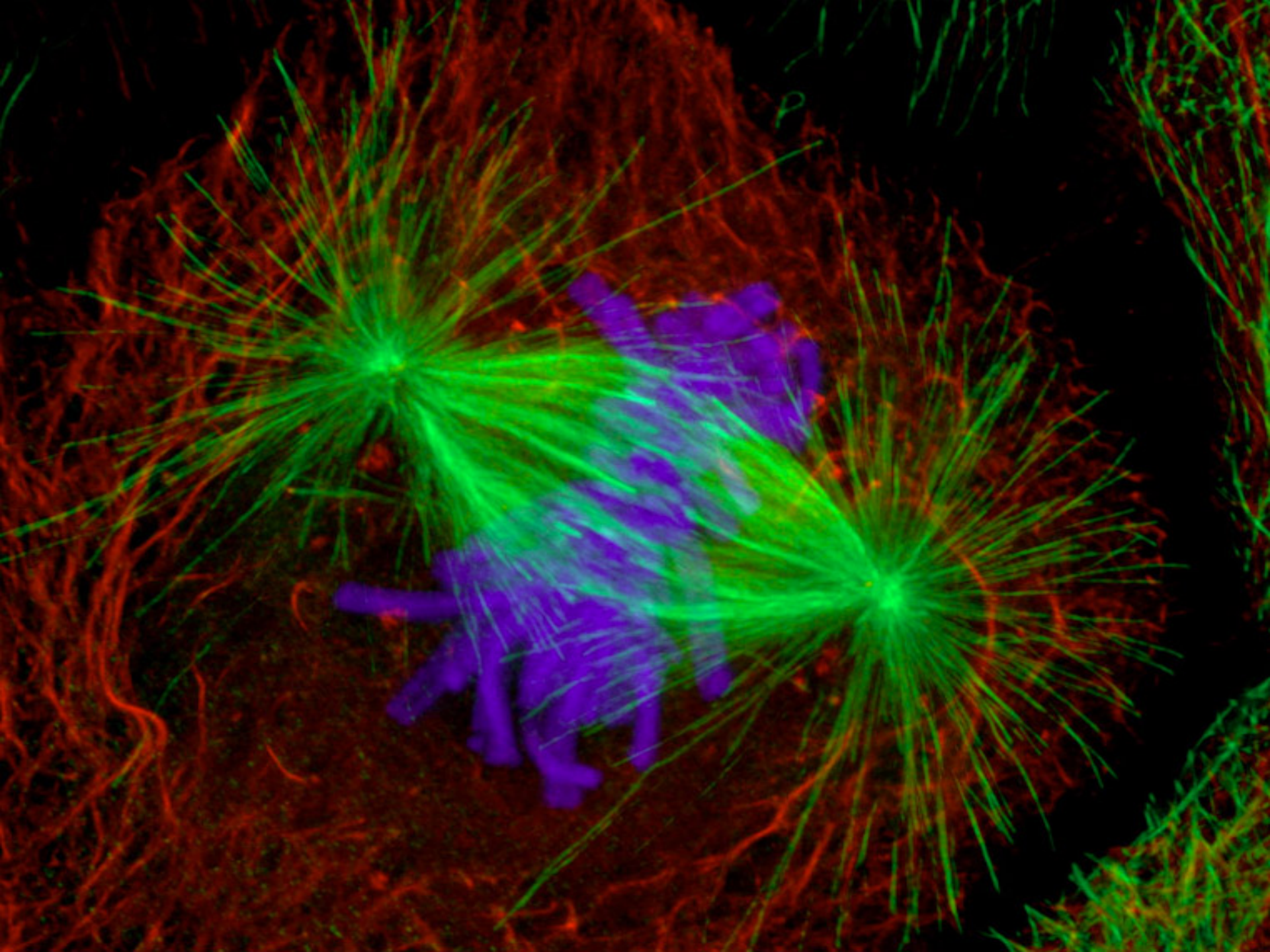


Kip Sluder + Yumi Uetake

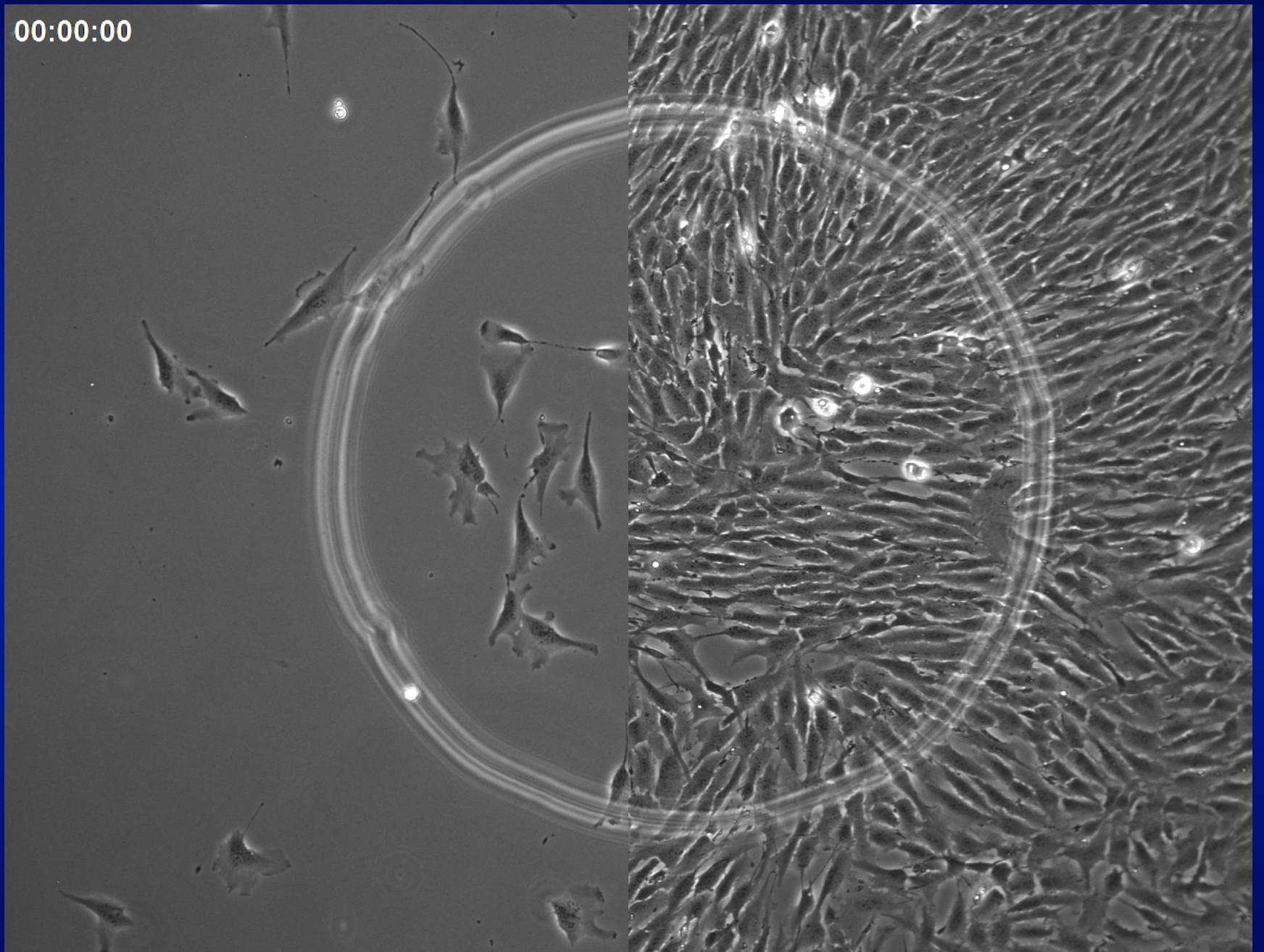
- Cell division - mitosis and meiosis
- Control of entry into and exit from mitosis
- Cell cycle checkpoints
- Control of centrosome duplication



Techniques used

- Long term time lapse imaging of live cells - many days
- Correlative live cell - fixed cell fluorescence microscopy
- Correlative live cell - Electron microscopy
- Polarization microscopy
- Micromanipulation - microinjection
- Echinoderm zygotes, Frog egg extracts, cultured human cells

00:00:00



5:19:47.6563

4:27

1:57

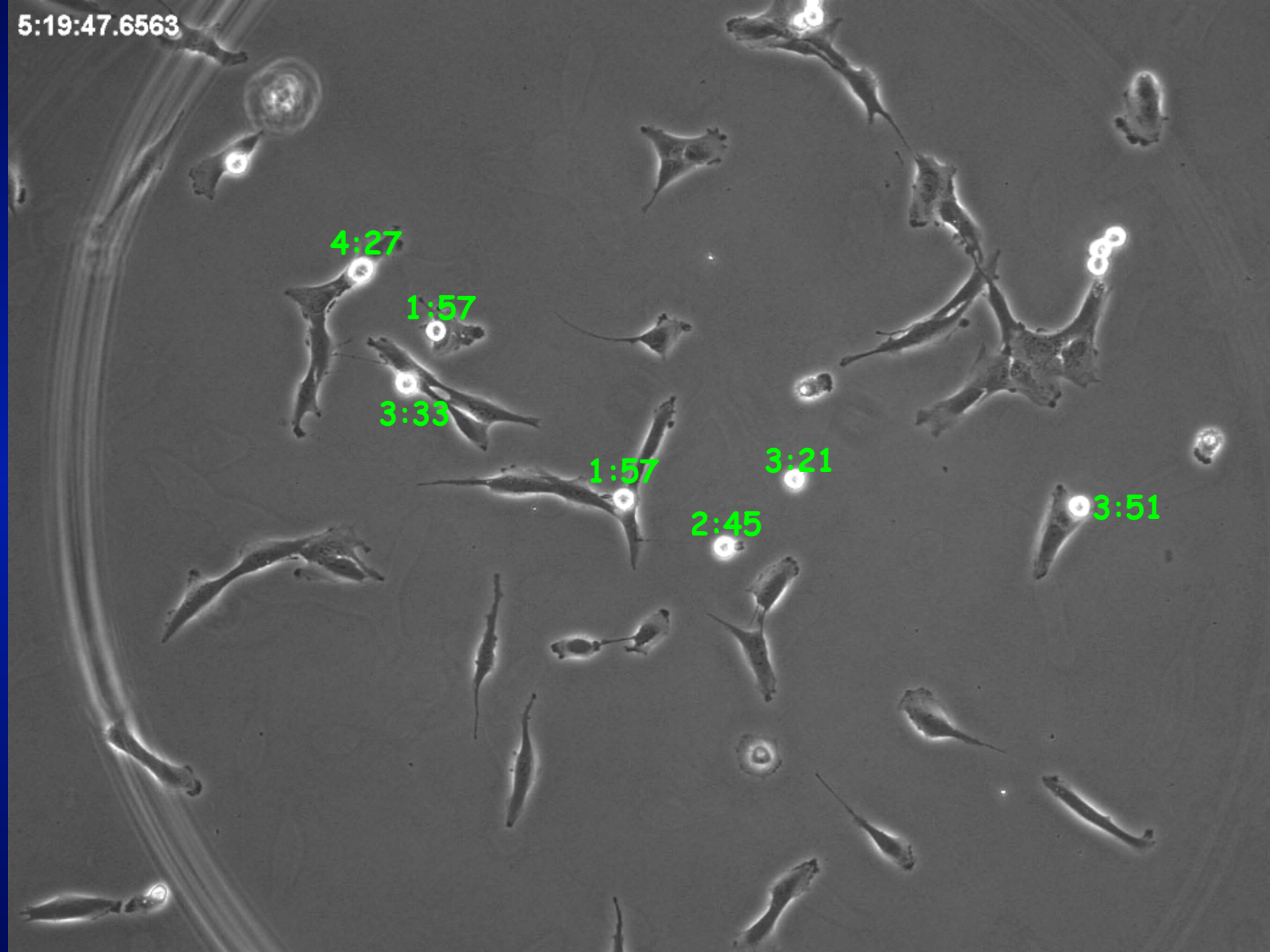
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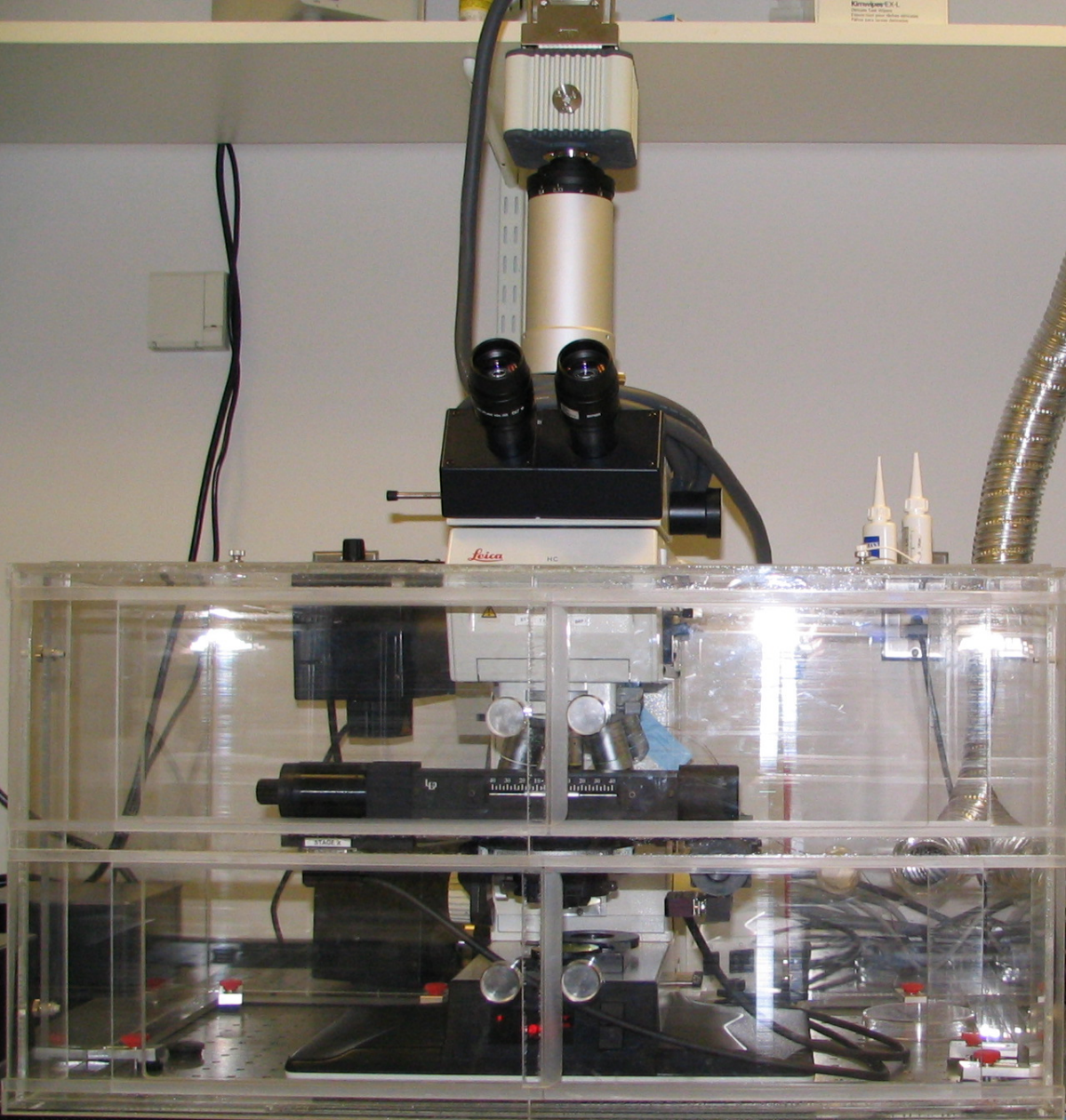
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3:21

2:45

3:51





Leica HC

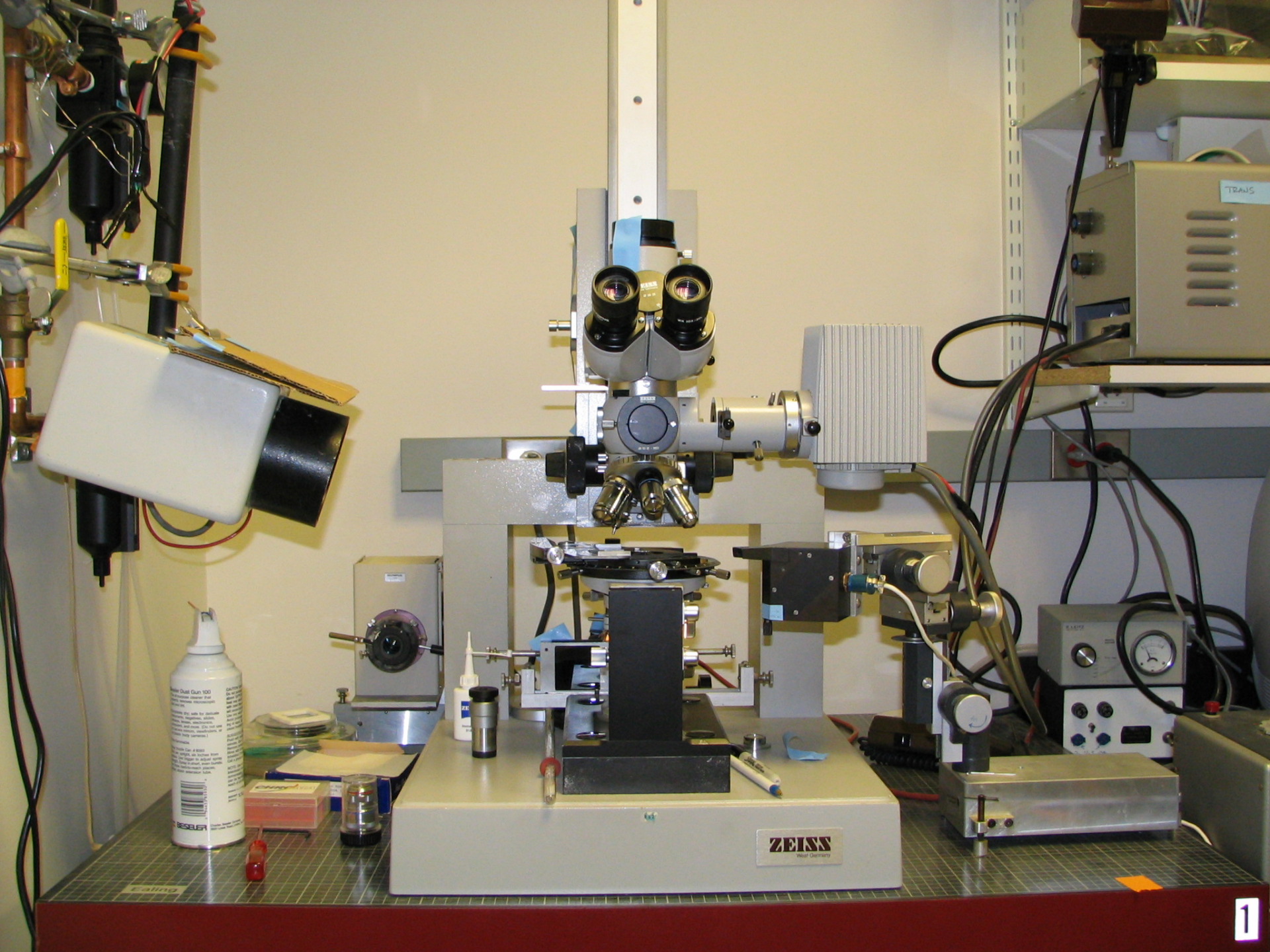
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TMC

MAX Medical Inc
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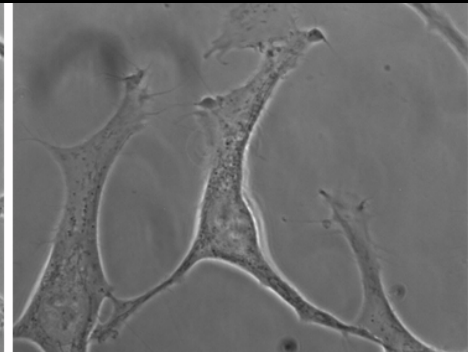
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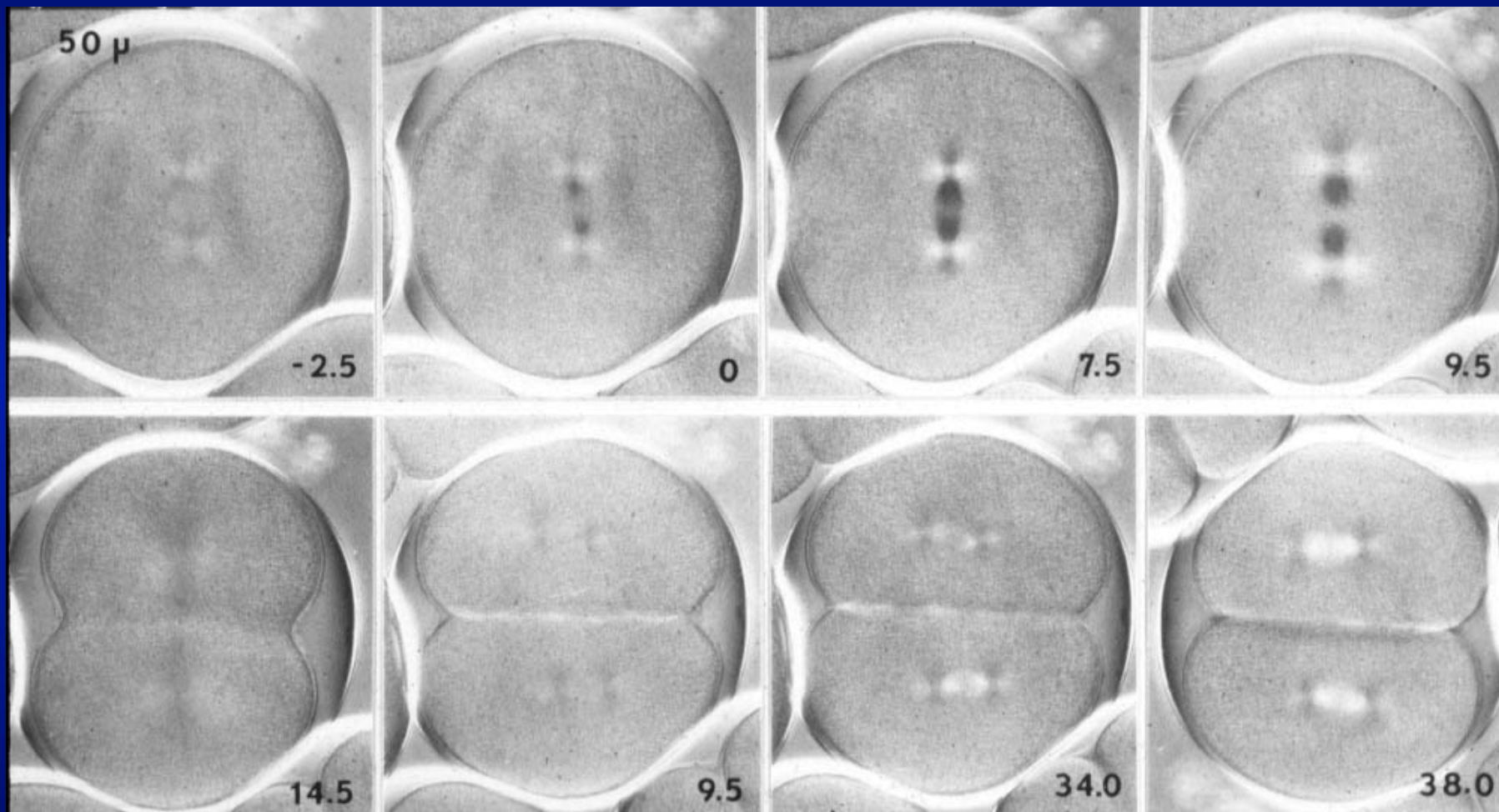
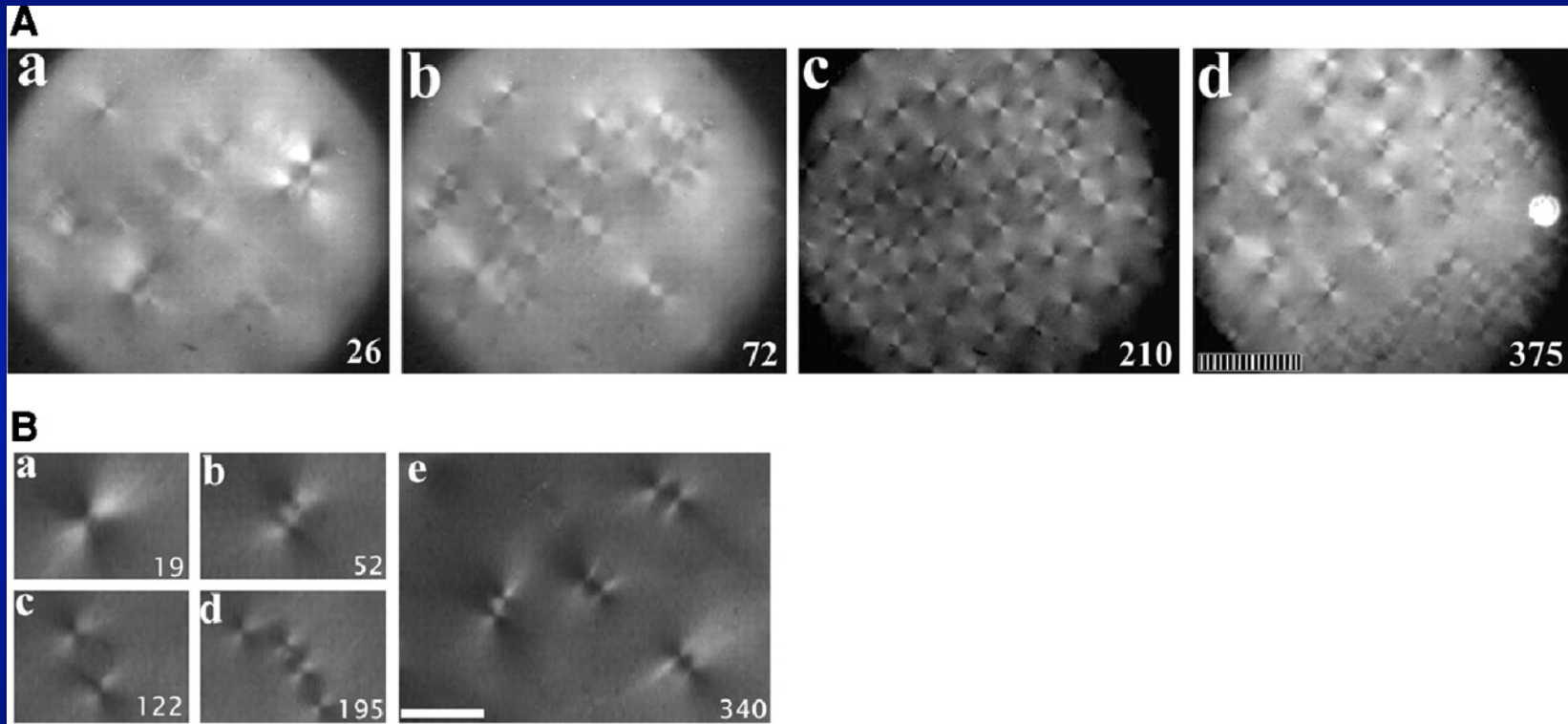


Figure 1 (A) Repeated rounds of aster doubling in an aphidicolin-treated extract.



E H Hinchcliffe et al. Science 1999;283:851-854

Post-mitotic karyoplasts re-assemble a single MTOC

