Dynamic Computed Tomography for Sperm Motility Research

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Progesterone

We want to make a 3D + time reconstruction of a living spermatozoa

- Obtaining data of good quality is challenging due to the timescales, size and absorption of sperm cells.
- To make up for poor data we're researching methods for reconstruction which can incorporate prior information about the movement and shape of the object to be reconstructed.
- We have developed a small library for algebraic reconstruction in a high level parallel language and obtained promising results.

