

## Appendix B PHYMOT Keywords

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A Selection of Keywords in this list is to be used as entry in the Zenodo database when uploading a dataset. These keywords are important for your dataset to be found and to be reused. Use at least three keywords from each section (if you can). The list is under constant revision. Please send (suggestions of other) keywords to [etn-phymot@fz-juelich.de](mailto:etn-phymot@fz-juelich.de).

### Methodology

3D-tracking  
3D holography  
3D-correlative light-electron microscopy  
3D-Lagrangian tracking  
Active rheology  
Atomic force microscopy  
Brownian Dynamics  
Digital holographic microscopy  
Direct numerical simulations  
Genetic modification  
Holographic microscopy  
Imaging Microscopy  
Mesoscale simulations  
Microfluidics  
Microrheology  
Multi-DDM analysis  
Multi Particle Collision Dynamics  
Optical trapping  
Robotic stirring  
Simulations  
Video analysis  
Video microscopy

### Systems

Algae  
Bacteria  
Bacillus subtilis  
Chlamydomonas reinhardtii  
Cilia  
Cyanobacteria Trichodesmium  
E. coli

Epithelial tissues  
Eukaryotes  
Flagella  
Flagellar axoneme  
Magnetotactic bacteria  
Marine parasites  
Nanoflagellates  
Parasites  
Peritrichous bacteria  
Planktonic bacteria  
Self-propelled particles  
Trypanobots  
Trypanosomes

### Phenomenology

Bacterial locomotion  
Bacterial swarming  
Beat pattern  
Cell-cell scattering  
Cell feeding  
Cell motility-dynamics  
Chemosensing  
Chemotaxis  
Cilia synchronisation  
Collective motion  
Flagellar mechanics  
Mechanosensing  
Quorum sensing  
Run-and-tumble  
Run-reverse-flick  
Symbiosis