



University Medical Center  
Utrecht

# Cell Microscopy Center

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## Introduction:

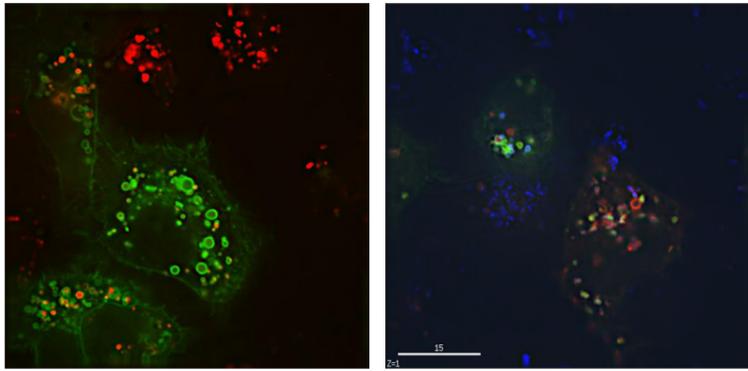
The Department of Cell Biology UMCU is an integrated academic center for fundamental and translational research and education. Our research aims to understand how genetic mutations lead to cellular disorganization and disease in the fields of cancer, stem cells and regenerative medicine, immunity and immunology. We combine our research with the application and development of advanced microscopy methods, especially immuno-electron microscopy, immuno-tomography, live cell imaging, confocal microscopy and correlative light – electron microscopy (CLEM).

The Cell Microscopy Center (CMC) is an UMC Facility embedded in the Cell Biology Department, in which the advanced microscopy techniques are made available to a broad group of users.

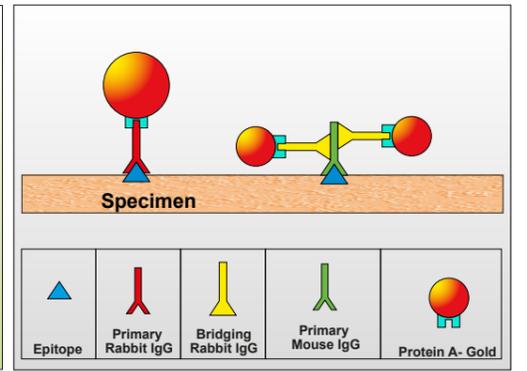
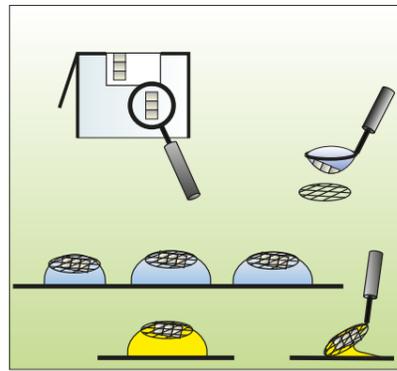
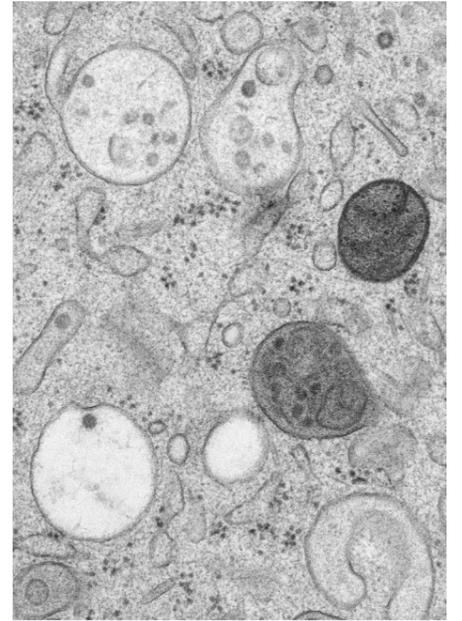
The Cell Biology Department also houses the Cell Screening center (CSC), an UMC facility for automated high-throughput cell screening.

[www.cellbiology-utrecht.nl](http://www.cellbiology-utrecht.nl)

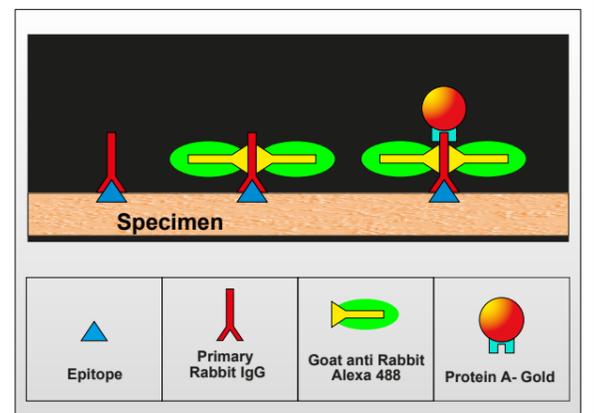
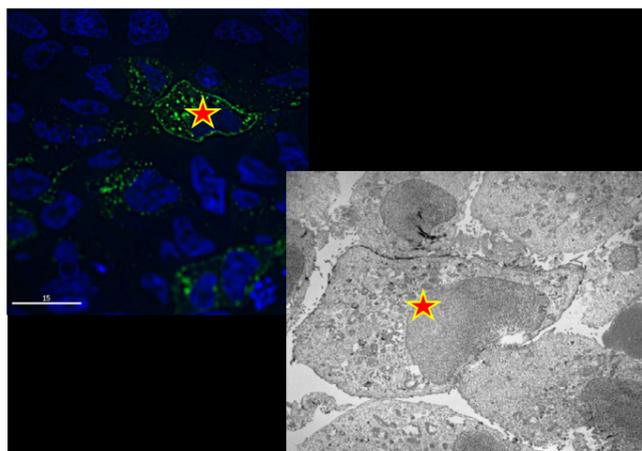
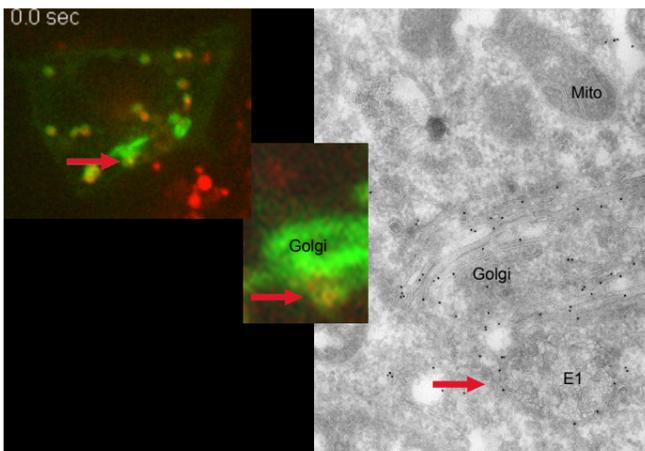
## Light Microscopy / Live cell imaging



## Electron Microscopy



## Correlative



## Use off the facility:

There are 3 ways to make use of the CMC:

1. Pilot study/ short project: We can handle 15 pilots per year. A pilot study is about 40 hrs. of work, including meetings, administration and practical work. The work is performed by CMC staff. For applicants outside the UMCU / Hubrecht institute the work will be performed at a reasonable fee.
2. Long term study: When additional time is needed, the practical work needs to be performed by personnel of the requesting (research) group themselves. Training on techniques and scientific coaching is provided. The CMC equipment can be used against a hourly fee.
3. Independent use of the machines. This applies mainly for the light microscopy equipment. Clients get a basic introduction to the machines and manage the work and project themselves. The CMC equipment can be used against a hourly fee.