



# Institut Pasteur / Paris

## Post-doctoral position Cell biology/ Cellular microbiology

**Project:** *Chlamydia trachomatis* is a human-adapted pathogen that develops exclusively inside a vacuolar compartment. The host lab has gathered evidence that these bacteria hijacked the trafficking machinery implicated in the formation of Lysosome-Related Organelles (LROs) to build their vacuole. LROs are organelles that share features with lysosomes, though being not degradative. Defects in LRO biogenesis are associated to a number of syndromic disorders, e.g. in skin pigmentation, blood coagulation, immune or lung functions. The main aim of the present project is to exploit the bacteria as a tool to delineate the membrane trafficking pathways needed for LRO biogenesis, and to identify molecules that interfere with this process, with potential application in drug development.

**Candidate:** The post-doc, a highly motivated research fellow, will have a strong background in cell biology. The project will use experimental approaches of cell biology and molecular biology with an emphasis on state-of-the-art optical and electron microscopy techniques  
Diploma required: PhD.

**Location:** The **Institut Pasteur** in Paris offers an international, dynamic and stimulating scientific campus. This project will be led in close **collaboration** with Dr. C. Delevoye in the laboratory of Graça Raposo at **Institut Curie**, also in Paris.

### More information:

Host laboratory: Cell biology of microbial infection

PI: Agathe SUBTIL

Please visit our web site : <https://research.pasteur.fr/en/team/cellular-biology-of-microbial-infection/>

**Starting date:** Oct. 1<sup>st</sup> 2021.

**Application deadline:** April 30<sup>th</sup> 2021

Send applications (cover letter, CV and contact phone/email of two referees) to:

**Agathe Subtil**

[asubtil@pasteur.fr](mailto:asubtil@pasteur.fr)

Tel : +33 1 40 61 30 49