

## Post-doc position at Institut Pasteur, Paris, France, in the group *Interactions Bacteriophages-Bacteria in Animals*

We are seeking a postdoc to join a NIH supported project to investigate the role of the immune system during the treatment of pneumonia initiated by the opportunistic pathogen *Pseudomonas aeruginosa*. This phage therapy project will be carried out in collaboration with the team of Prof. Joshua Weitz (Georgia Tech, USA) – a group specializing in theory and models of viral dynamics.

The central goal of the joint project is to expand the foundational understanding of phage therapy and phage-immune system interactions [1]. Bacteriophage therapy is now recognized as one of the most promising treatment approaches against multi-drug resistant bacterial infections. Several case reports in Europe and in the USA have demonstrated the benefit of this approach to patients running out of treatment options. Our team is at the forefront of the experimental phage therapy research field, with expertise encompassing bacteriophage biology, microbiology and infectious diseases.

We are looking for a motivated candidate with a degree-qualified (MD, PhD, DVD) in microbiology, immunology, molecular biology, infectious disease, or closely related fields. Previous experience with rodent animal models and demonstrated track record of productive research in immunology and/or microbiology is highly desirable. Fluent English communication and strong collaborative spirit is mandatory as the candidate will interact frequently with international experts in immunology, microbiology, physics and mathematics.

The position will start on January 1<sup>st</sup>, 2020 for an initial duration of 24 months with a possible extension of at least 12 months.

Institut Pasteur is a major international research institution providing a highly stimulating multidisciplinary scientific environment. Over 2500 people from 60 nationalities are working in the heart of Paris with rapid and easy access to highly qualified colleagues and top-level equipment.

The contract includes access to the social security system, about 5 weeks vacations/year and reduced fees on public transportation. Institut Pasteur organizes a dedicated welcoming program to help newcomers settle in to life and work in Paris, including several trainings.

Applications will be reviewed beginning September 20, 2019. Please submit a CV, one-page application letter, and contact information for two references to [laurent.debarbieux@pasteur.fr](mailto:laurent.debarbieux@pasteur.fr)

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[1] Roach DR, Leung CY, Henry M, Morello E, Singh D, Di Santo JP, Weitz JS, Debarbieux L. Synergy between the Host Immune System and Bacteriophage Is Essential for Successful Phage Therapy against an Acute Respiratory Pathogen. *Cell Host Microbe*. 2017 Jul 12;22(1):38-47.

