

Mobility of scientist or equip / Search group leader at INEM

We at INEM/UMR7355 of CNRS and University are interested in the effect of the exposome on human health by aerosol (allergen, smoke, ozone, chemicals) and oral and skin exposure. We investigate mechanisms of inflammation with a focus of danger signals sensing and signaling in response to cell stress/death in particular necroptosis, pyroptosis, NETosis, panoptosis on inflammation and repair in lung and CNS diseases, with a focus on nucleotide and activation of cGAS/STING and inflammasomes leading to type I interferon, IL-1 and TNF/FAS dependent inflammation. Furthermore, the effect of the microbiome and its metabolites on the inflammatory disease models is of interest.

Using human cells and mouse models of human diseases, we explore these pathways and their cross-talk. We have access to a great technical platform, mouse breeding with germ-free mouse facility (TAAM) and INEM has many genetic mouse models to confirm the role of *in vitro* data. INEM has created a LabCom with the spin-off Artimmune, which is an important partner for large scale projects. Our Unit is on the green campus CNRS with plenty laboratory and office space. We are located in Orleans at the Loire valley and a wonderful countryside with access to a University Hospital, University and laboratories of CNRS in Life sciences, which are essential for technical support.

If you are interested in mechanisms of cell death-induced inflammation leading to disease or related areas of research and wish to move or develop you own research group outside a megacity at INEM at the Loire in Orleans (1h from Paris).

You have the opportunity to develop your research project joining our vibrant research team at INEM. We have fully functional laboratories and shared platforms including own experimental mouse facilities. The candidate supportive funding for his new team by INEM, CNRS and the Region Centre including the Le Studium. Candidates with ATIP, Avenir grants or equivalent are most welcome. A friendly team will support your activities and looks forward to scientific interactions. Furthermore, you will find a family friendly environment and excellent education.

If you are interested, please contact Valérie Quesniaux, Directrice INEM UMR7355 at valerie.quesniaux@cnrs-orleans.fr or call 0238 25 54 38/39 or 06 29 15 22 87.

<https://inem.cnrs.fr/>

<http://www.artimmune.com/>

<https://www.taam.cnrs.fr/>

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