INVITATION
Conférence donnée dans le cadre de la procédure d’appel en Neurologie - succ. Annoni

Dr. Marianna SPATOLA, MD, PhD
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Vendredi, 11 Mars 2022 à 11h00
Auditoire D130 - PER21, https://www.unifr.ch/map/fr/plans/perolles.html
En présentiel

La double face du système immunitaire dans le cerveau :
unraveling the immune mechanisms behind protection from infection and autoimmunity

“Antibodies play a critical role in our defense against pathogens. Beside neutralization (i.e. prevention of infection of the host cells), antibodies also mediate functions by the innate immunity, such as complement activation, phagocytosis and cytotoxic effects. These antibody responses are recognized as important correlates of infection control in the peripheral blood. Nevertheless, little is known about their role in the anti-pathogen defense in the brain, where circulation of antibodies and immune cells is restricted. Brain infections by pathogens such as herpes virus, malaria, or mycobacterium tuberculosis, are still a major cause of mortality worldwide, and available treatments have limited efficacy. Moreover, these infections (e.g. by herpes virus) can be complicated by severe autoimmune encephalitis caused by pathological autoantibodies. My research aims to elucidate the contribution of antibody-mediated functions in the control of brain infections and their role in triggering brain autoimmunity. Better understanding of these immune mechanisms will guide development of vaccines and brain-targeted therapies.”

Fribourg, le 14 février 2022
Prof. Gregor Rainer, Doyen et Président de la Commission d’appel