



**BVNS WEBINAR:
Wednesday, February 10th at 7pm
Via Zoom**

Please join us for an evening webinar:

“Two species, one disease: autoimmune encephalitis in human and non-human species”

Dr Sophie Binks BA BMBS MRCP

Clinical Research Fellow in Autoimmune Neurology

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In the past 15 years, human neurology has seen increasing recognition and knowledge of autoimmune encephalitides caused by autoantibodies to cell surface proteins in the central nervous system. These conditions typically have distinctive serological and clinical features, and early diagnosis and treatment can secure good patient outcomes.

Remarkably, it is beginning to emerge that some non-human species have spontaneously occurring forms of near-identical CNS disease. Most notably, antibodies to the brain protein leucine-rich glioma-inactivated 1 (LGI1) have been associated with seizures and encephalitis in companion cats with ‘Feline Partial Cluster Seizures with Orofacial Involvement’ (FEPSO), mirroring a form of limbic encephalitis caused by this autoantibody in mainly older adult human males. However, other parallels may exist, revealing opportunities for a truly bidirectional translational approach to studying these disorders, with potential to benefit all species.

The Oxford Autoimmune Neurology Group (OANG) is a leading research and treatment group in the field of autoantibody-mediated neurology within human medicine. Dr Sophie Binks of OANG will discuss advances in autoimmune encephalitis in human neurology, alongside work to better understand these conditions in non-human mammals, with the aim of achieving improved recognition and treatment across the species barrier.

Topic: BVNS Webinar Zoom Meeting

Time: Feb 10, 2021 07:00 PM London

<https://zoom.us/j/4697009427?pwd=V210MzNlenUyb1d0Tk4zRWWhZSmJpZz09>

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