

“Somatic Mutations in Rheumatologic Diseases: VEXAS Syndrome and Beyond”

Date: Thursday 29th September 2022

Time: 1pm-2pm

Venue : Rayne 2nd Floor Seminar Room / Teams

Speaker: Dr Peter Grayson (presenting virtually)

Host: Dr Puja Mehta

Currently, an Earl Stadtman Investigator at the NIAMS, Dr. Grayson’s research focuses on clinical and translational research across many forms of systemic vasculitis. Specifically, his work has focused on biomarker discovery/development, the use of advanced molecular imaging, molecular classification of disease, clinical trials, and genetics/genomics of vasculitis. His group has clinically defined the use of advanced molecular imaging as a surrogate marker of vascular inflammation in large-vessel vasculitis. His group has conducted some of the only translational work related to relapsing polychondritis, including the identification of somatic mutations in UBA1 as a driver of disease in a subset of these patients. Translational work from the group has also defined novel pathways of neutrophil-mediated inflammation in monogenic vasculitis and drug-induced vasculitis and has identified novel biomarkers of disease activity in many forms of vasculitis that suggest novel therapeutic targets.



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