

ABSTRACT FORM

Division of Medicine Research Retreat, Thursday 30th June 2022

Please submit online by **5pm Tuesday 3rd May 2022**

Name:	Anastasia Patsiarika	Gender:	Female
Position:	Student		
Department:	Other		
Presentation Title:	The TGF β and Neuropilin-1 interaction		
Authors:	Anastasia Patsiarika, David Selwood		
Presentation preference:	Poster;		

ABSTRACT: (please keep your abstract within this page maximum 300 words)

Neuropilin-1 is a transmembrane protein that acts as a co-receptor for many cytokines like VEGFA and Class III Semaphorines. The protein plays a role in cell proliferation, axon guidance and immune system regulation. Little is known about Neuropilin-1's ability to interact with TGF β . Here we show that the protein interacts with active TGF β and the interaction is essential for the canonical TGF β signalling. The small molecule EG00229, a Neuropilin-1 ligand is able to inhibit the interaction both in SPR and in vitro.

