

## Consiglia Longobardi

*Uremic toxins in severe combined immunodeficiency due to adenosine deaminase deficiency (ADA-SCID): the role of gut-kidney axis*

<b>Duration</b>	3 months
<b>Short Bio</b>	<i>PhD student in Medical Clinical and Experimental Sciences. The primary topic of the attended PhD program was the study of the gut-kidney axis.</i>
<b>Home Institution</b>	University of Campania "Luigi Vanvitelli"
<b>Host Institution</b>	Ghent University/Ghent University Hospital
<b>Project Description</b>	<i>The aim of this project was to investigate the Uremic Toxins (UTs) in the sera of Severe combined immune deficient (SCID) homozygous mice (<math>Ada^{-/-}</math>), that have been shown to recapitulate many features associated with ADA deficiency in humans, including combined immunodeficiency.</i>
<b>Personal Statement</b>	<i>This fellowship broadened my knowledge of rare diseases and provided me with the opportunity to acquire a new technique that would be useful in my future studies, as this technique may be applied to a wide range of research fields. I would extend my gratitude to home institution, host institution and the EJP RD fellowship exchange organization for providing me with this rewarding experience.</i>