

Name Participants of WG3	Eugenia Carvalho
Affiliation	Center for Neuroscience and Cell Biology, University of Coimbra, Portugal
Scientific expertise, up to 5 key words	Obesity, Diabetes, Inflammation, Aging, Immunometabolism
Motivation for participation in WG3	To form collaborative networks with other colleagues
Short narrative biosketch, including scientific background/ education/major achievements etc.	<p>Dr. Carvalho studies the underlying mechanisms that are in the origin of insulin resistance and diabetes and related complications, across the lifespan. She has discovered that low insulin receptor substrate-1 protein levels in adipose tissue are predictors of pre-diabetes. She investigates specific biomarkers and pathways that are associated with insulin action and metabolic dysfunction in adipose tissue, from bench to bedside. In addition, she has been evaluating how specific markers are important in tissue regeneration under diabetes conditions. Recently, she has started to investigate the effect of nutraceuticals to improve insulin action and metabolism, including essential amino acids and sulforaphane, among other. In the context of early insulin resistance development, inflammation, and aging.</p> <p>She has published over 80 scientific papers (<i>h</i>-index=33; over 3000 citations: WoS). Over the years she has mentored many Post-Docs, PhD, Master and Erasmus students. In addition, she has secured several millions in funding from Europe: H2020-MSCA-ITN-2016; EFSD; Diabetes UK; NIH: NIGMS-NIH P20GM109096; and National funds: INFARMED; FCT; SPD; SPT. She is a board member for the European Tissue Repair Society and a senior editor for the Journal of Endocrinology; J Mol Endocrinology. Dr. Carvalho is a reviewer for multiple journals and funding agencies.</p> <p>https://www.ncbi.nlm.nih.gov/myncbi/1N_kjxvZYzSAP/bibliography/public/</p> <p>https://orcid.org/0000-0001-6264-3632</p>
Current research topics/ongoing projects	Inflammation and immune metabolism of adipose tissue; Wound healing and tissue repair under diabetes conditions;
Nfr2-related methodologies/ infrastructure/ equipment	Animal facility; High resolution respirometry (HRR); A mass spectroscopy core facility, including Analytical-HPLC; Flow cytometry core facility; Microscopy core facility
Available sample collections/datasets;	Animal studies were performed, most samples have been used up.

interested in sharing; yes/no	
Available cohorts/ ongoing/planned human studies/grant applications	Interested in performing collaborative human diet studies and planning grant applications
Interested in STSM: outgoing/hosting (year 1/later); yes/no	Yes, I am interested in STSM both directions granted we can have some funding for these missions.