



# TWIN2PIPSA

<https://twin2pipisa.campus.ciencias.ulisboa.pt/>

**Expert visit**  
**June 21, 2024**

## **Danny Hatters, PhD**

University of Melbourne, School of Biomedical Sciences



**Info:** <https://findanexpert.unimelb.edu.au/profile/57876-danny-hatters>

## **Agenda**

**Venue:** Auditorium F Ciências.ID – C1 Building

### **11:30 Protein interactions gone awry in neurodegenerative disease**

The Hatters lab studies the impacts of protein misfolding and aggregation in cultured cell models of neurodegenerative diseases. We have developed approaches to examine principles governing how proteins inappropriately aggregate and new approaches with chemical reagents to monitor cysteine reactivity to probe proteome foldedness and conformation changes. I will discuss recent findings from our laboratory that provide insight into the consequences of protein aggregation by globular proteins and how we can model the types of protein-protein interactions involved. I will also discuss how we can monitor changes in protein structure and function in response to stresses and stimuli and under conditions of disease in Huntington's Disease.



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