

Becki Green

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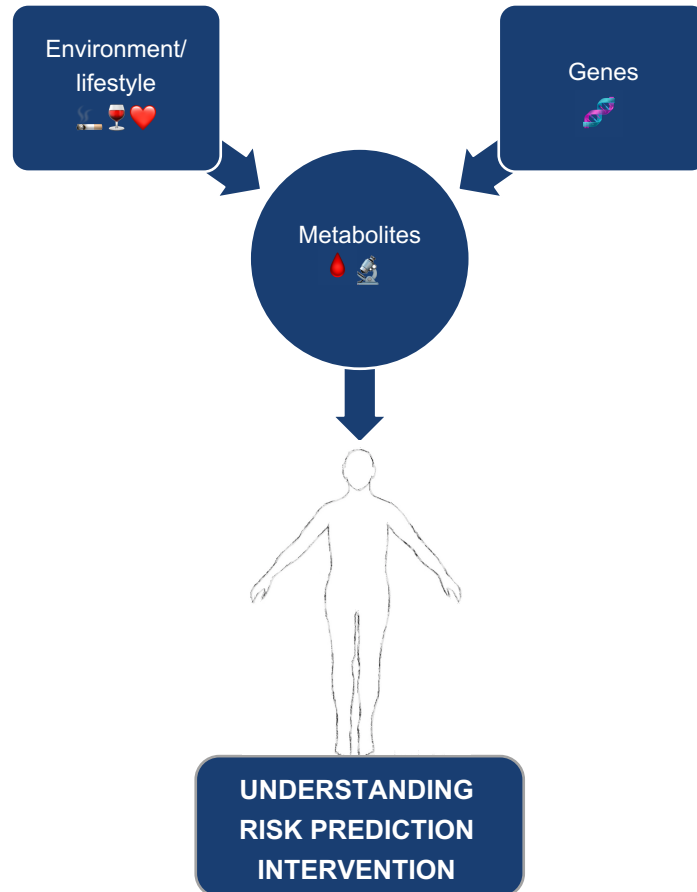
Supervisors: Dr Petra Proitsi & Professor Marcus Richards

Project Title: Investigating the use of blood metabolites as biomarkers of cognitive decline and subsequent dementia

Current PhD year: 2

BACKGROUND

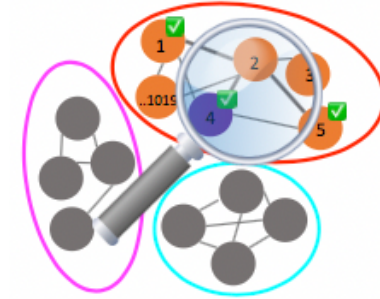
Dementia is a global health concern & there is a long period before diagnosis where disease mechanisms are accumulating 🧠 ⬇️



RESEARCH

1. DISCOVER metabolite markers of outcomes related to early dementia using the British birth cohort study

Use multiple levels of analysis to capture complex relationships.



2. INTERROGATE the nature of these associations

IMPACT: Could they reveal how life course risk factors may embed biologically

IMPACT: Could they be potential targets for intervention?

3. ESTABLISH the utility of these biomarkers

IMPACT: Could they be useful for individual risk prediction?