



**Maynooth
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Introduction

- **Full name:** Hannah O'Brennan
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- **Collaborators:** Stefan Arridge
- **PhD aims:** To model gravitational wave forms from mergers of intermediate-mass black holes from the early Universe and thus making detection predictions for LISA
- **Research interests:** Intermediate-mass black holes, supermassive black holes, first stars, epoch of reionization, gravitational waves, LISA
- **Programming skills:** C/C++, Python, Matlab, Mathematica
- **Analytical skills:** tensor calculus, general relativity, cosmology, thermodynamics, ordinary differential equations, black hole formation