PI profile

## Anjali Hinch

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| [insert photo here] | **Dr. Anjali Hinch**  **Titles**: Group Leader  **Location**: Wellcome Centre for Human Genetics  **Department**: Nuffield Department of Medicine  **Group**: Hinch  **Email**: anjali@well.ox.ac.uk |

### GMS themes:

* Genomic and –omic technologies
* Genome biology (genomes and genetic variation)
* Genomic analysis (bioinformatics and statistical genetics)

### Research Overview

My goal is to understand how changes in our DNA occur in the germline and how processes such as meiotic DNA break repair and recombination impact human diversity and health. Many of these processes are complex and dynamic, involving the interplay of numerous proteins.

In our work we perform specialised wet-lab experiments and use statistical analyses that combine data from these assays to provide insight into *in vivo* interactions in complex processes. We also use UK Biobank and Genomics England to understand both the causes and impacts of germline mutations on human disease and other phenotypes.

Project areas: [please include several keywords or phrases reflecting your research area and proposed projects.]

### Specific project proposals:

Please contact directly for further information.

*These pages were reviewed/updated: 30th August 2022*

Project proposal

# **Title**: [Project title here]

Supervisors: [name and title of relevant individuals]

Wet/dry lab mix (approx): X% wet lab, X% dry lab

### Description:

[Write a ~ half-page page description of the project here].

### Training Opportunities:

[Write a brief description of the training opportunities the project will provide].

### Background reading / references:

Please include references as desired. Suggested format:

* [Surname] [Firstname], [other authors]… (year in bold) . [Title]. [Journal name], [other details]. Available at: [link]

Insert any additional project description(s) on subsequent pages if applicable. Please use the same template and use separate pages for each project.