

# International Collaboration on *MUTYH*

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At least ~ **560** families at the moment:

CCFR	276 families (41 bi-allelic and 235 mono-allelic)
Germany	133 families (122 bi-allelic and 9 mono-allelic)
Netherlands	150 families (110 bi-allelic and 40 mono-allelic)
UK	? families

# International Collaboration on *MUTYH*: Aims

- To refine penetrance of colorectal and extra-colonic cancers for mono-allelic and bi-allelic mutation carriers
- To study the genetic and environmental modifiers of cancer penetrance for mono-allelic and bi-allelic mutation carriers
- To study the survival after cancer for mono-allelic and bi-allelic mutation carriers
- To study the mutation spectrum in different geographic/ethnic groups
- To study treatment effect and clinical outcomes

# International Collaboration on *MUTYH*: Data

- For penetrance: proband, family pedigree data, mutation status, and cancer data
- For modifiers, genetic factors (SNPs) and lifestyle measured (BMI, smoking, etc)
- For clinical outcomes, treatment and surveillance data, mortality data