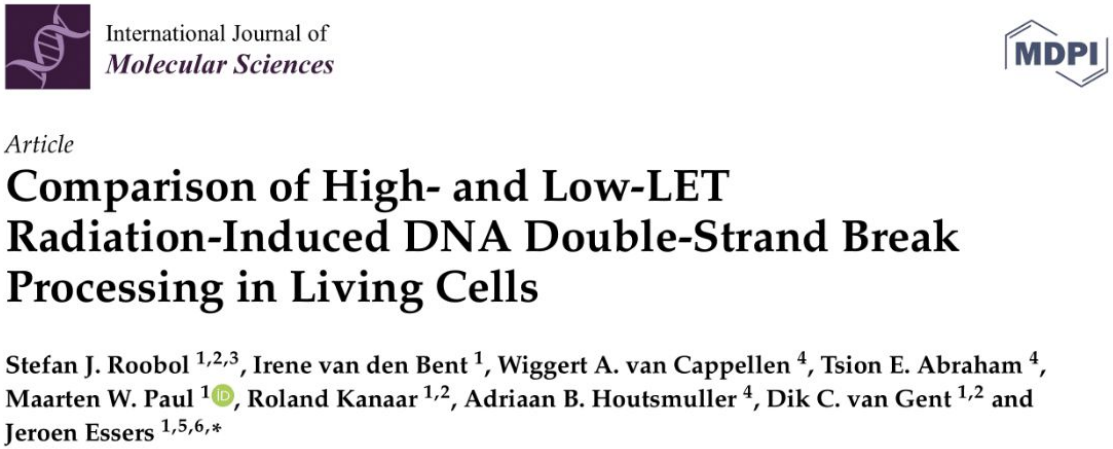
Hypothesis

“We conclude that high-LET α-particles cause closely interspaced DSBs leading to high local concentrations of repair proteins”

Fe ion radiation (high LET) will result in more clustered damage than x-ray radiation (low LET)



Data processing

- Remove (repeated) columns ending in '.1'
- Drop duplicate rows
- Separate the data into multiple CSV files based on values in the 'chromosome' column
- Read in singular chromosome csv file into R
- Delete unused columns
- Take a random subset of rows (sizes 100-300)
- One-hot-encode position b38