

Maximising the benefits of hepatitis C antiviral therapies



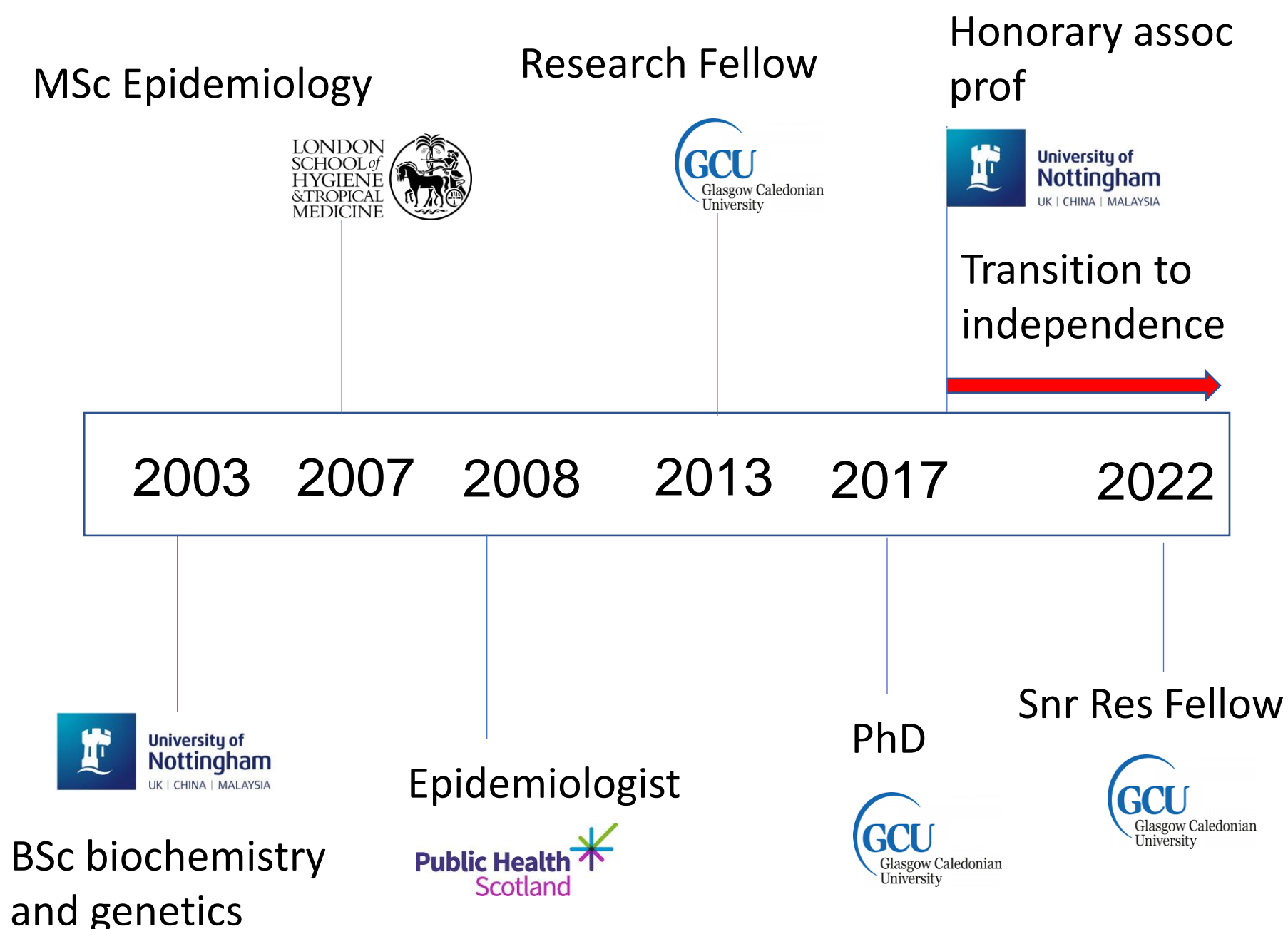
Dr Hamish Innes
Glasgow Caledonian University

Biography

I am a senior research fellow at Glasgow Caledonian University.

I have expertise in epidemiology, statistics, genetics and analysis of linked health data.

My goal is to establish a data science team that will tackle the big challenges in liver disease and viral hepatitis over the next 25 years.

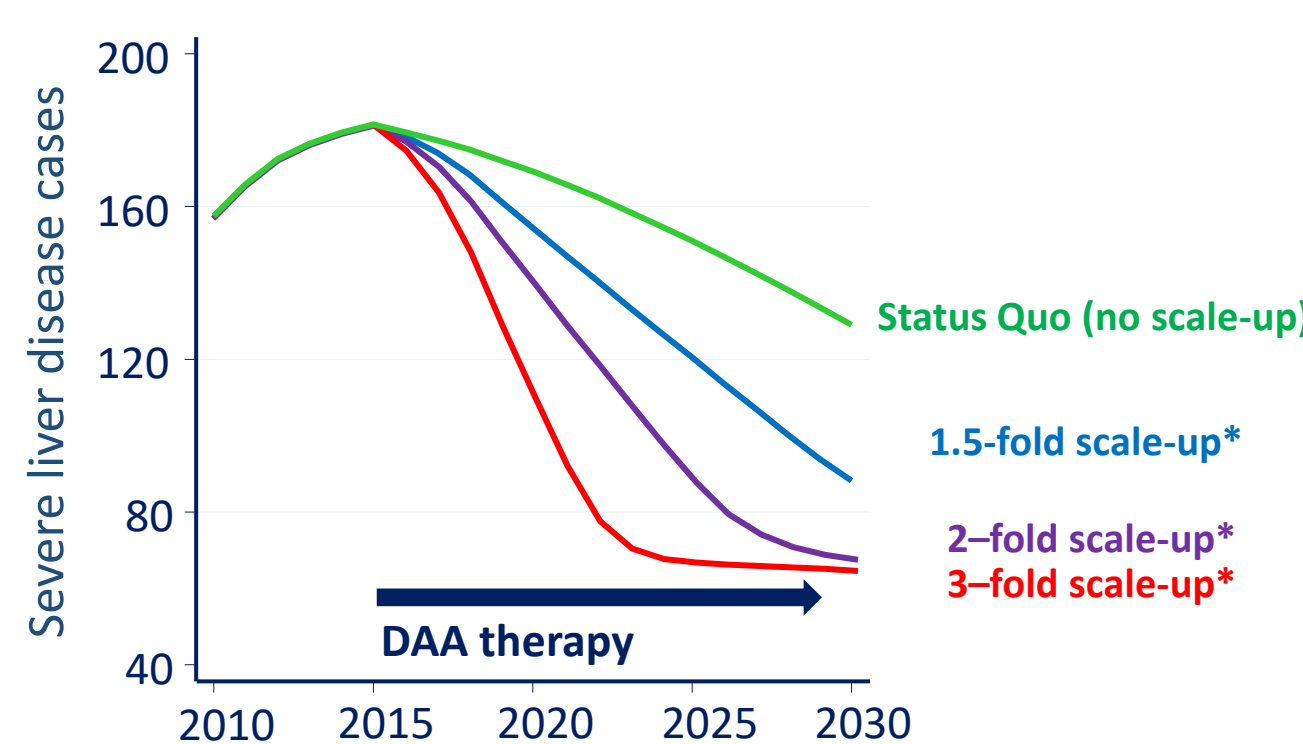


What is your research focus, and what impact has your work had?

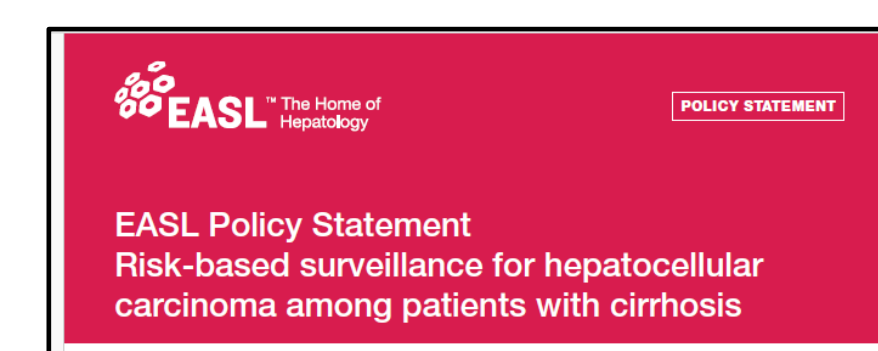
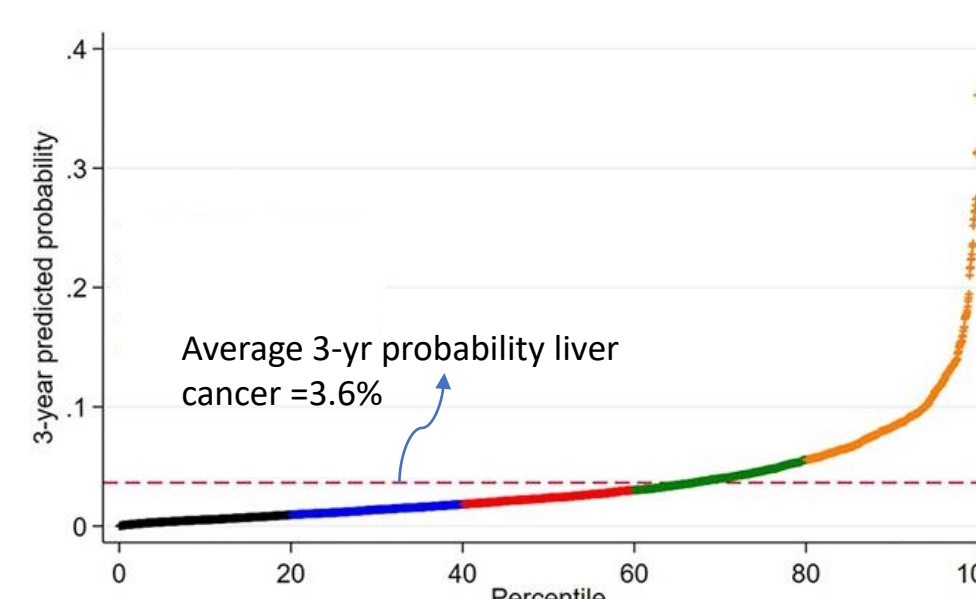
My research has demonstrated the value of hepatitis C antiviral therapy, in terms of reducing risk of mortality and severe liver disease in large population cohorts. These data have given policymakers the confidence to scale-up antiviral treatment and strive for hepatitis C elimination.

However, people with hepatitis C cirrhosis still remain at high risk of dying from liver cancer after their hepatitis C is cured. My research is exploring how clinical prediction models could improve early detection of liver cancer, to maximise the benefits of a hepatitis C cure.

Mathematical modelling to forecast impact of scaling up antivirals & inform elimination strategy



Quantifying individualised risk of liver cancer after hepatitis C cure



How will you use the Emerging Leaders Prize funding?

Reduce liver cancer mortality
Access policy-changing datasets



Strengthen evidence base for liver cancer screening using epidemiological triangulation



Assess genetic predictors of liver cancer



Update innovative data linkages



Lay foundations to establish my own data science team