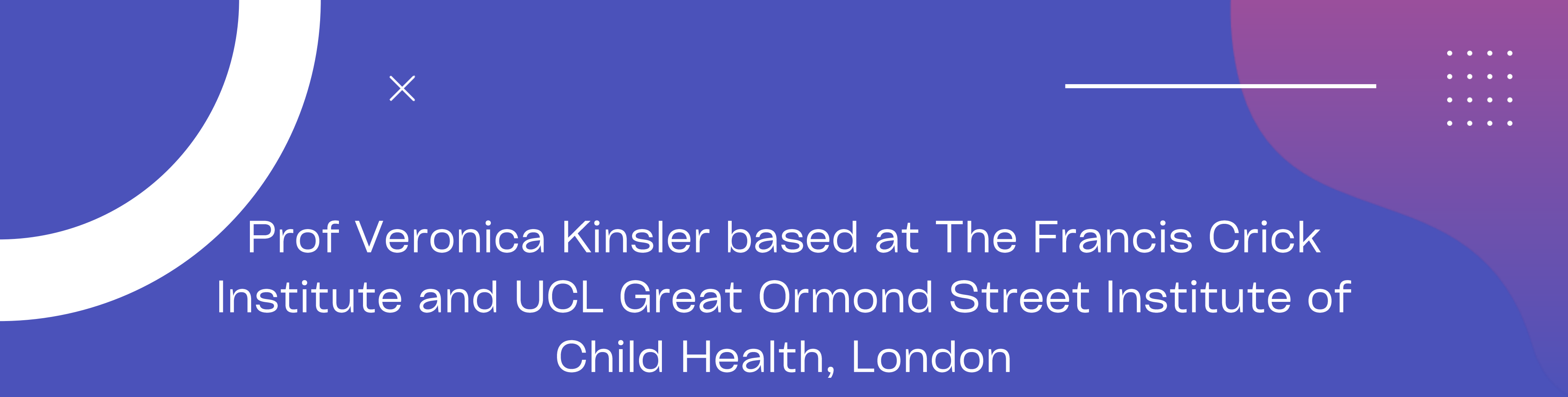


# RESEARCH NEWS

June 2024





Prof Veronica Kinsler based at The Francis Crick  
Institute and UCL Great Ormond Street Institute of  
Child Health, London

CMN Research Breakthrough to be announced on  
Monday 17th June, 2pm



Journal publication in  
Investigate Dermatology Medical Journal

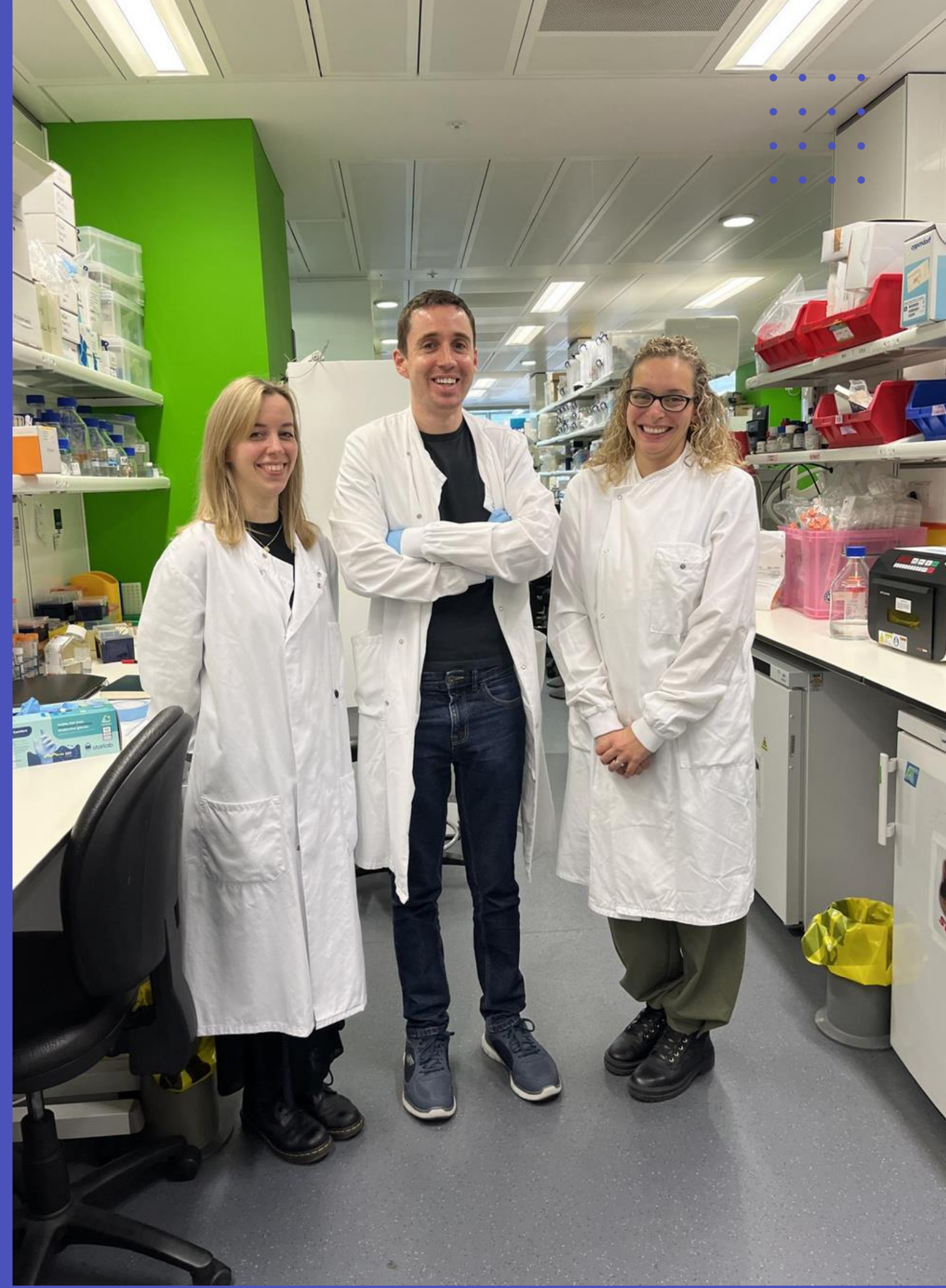


Professor Veronica Kinsler and her CMN research team have designed a new genetic therapy that has silenced the NRAS gene in CMN cells in a dish and in mice.

NRAS is one of several genetic mutations which causes Congenital Melanocytic Naevus (CMN).



The research team used a genetic therapy called silencing RNA, which silences the mutated NRAS in CMN skin cells. The therapy was delivered through special particles directly to CMN cells.



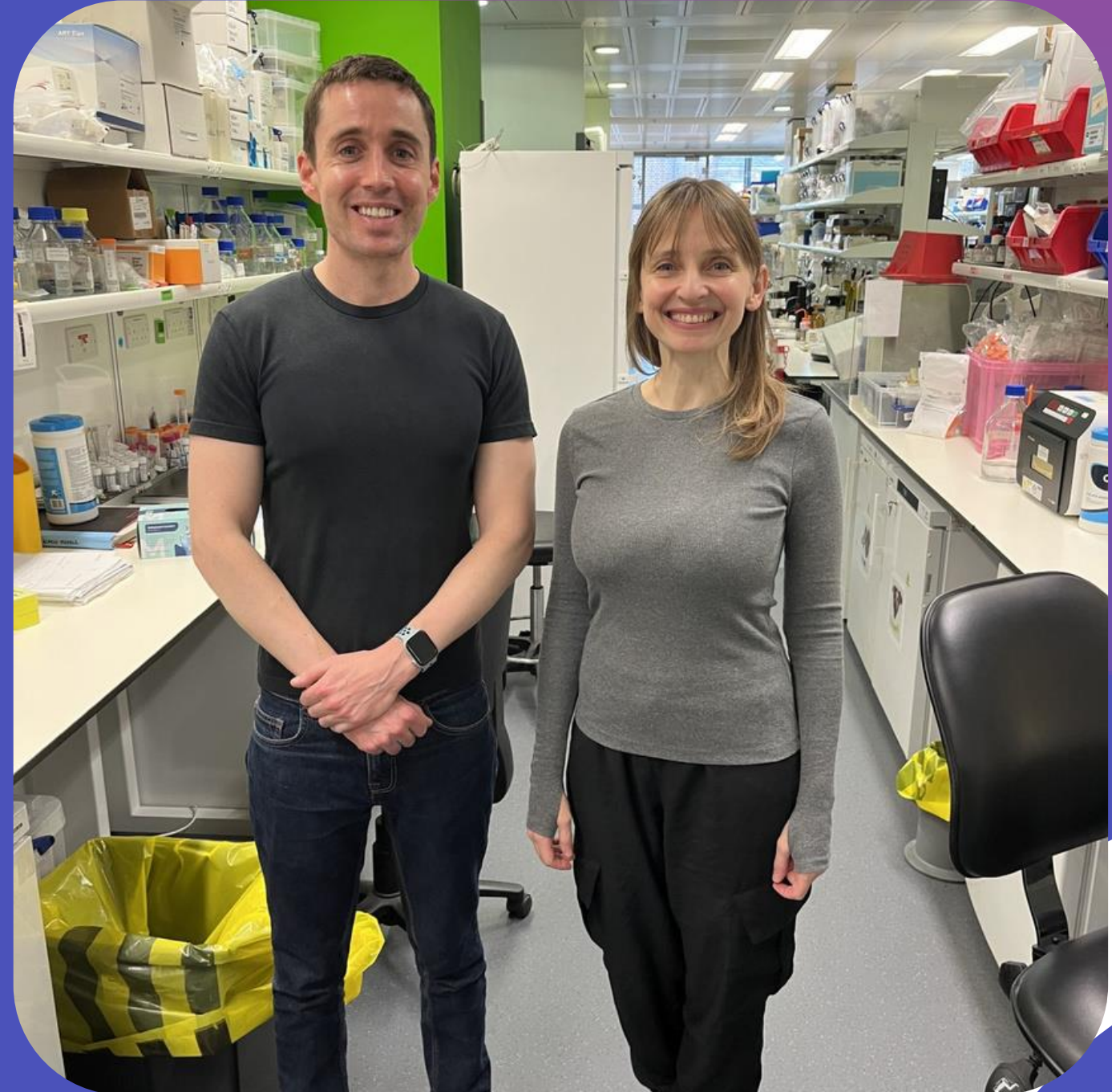


The team gave injections containing the therapy to mice with CMN; silencing the NRAS<sup>+</sup> gene after just 48 hours. They also tested it in cells and whole skin sections from children with CMN. Importantly, silencing the gene triggered the CMN cells to self-destruct.





It is hoped this approach will form the basis for clinical trials within the next 24 months, subject to raising enough funds.





The treatment could potentially be used to reverse CMN, and therefore reduce the risk of melanoma. It could also potentially reverse other commoner types of at-risk moles as an alternative to surgery.





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Plain Language Summary

Embargo until Monday  
17th June, 2pm BST

Press coverage expected

Communication Strategy

