Genome Editing - Wellcome Trust's perspective

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Why does Wellcome care?

Our philosophy: Good health makes life better. We want to improve health for everyone by helping great ideas to thrive

As part of this philosophy we must be more than a science funder - we support full and inclusive exploration of scientific innovation, including the social context and public engagement.

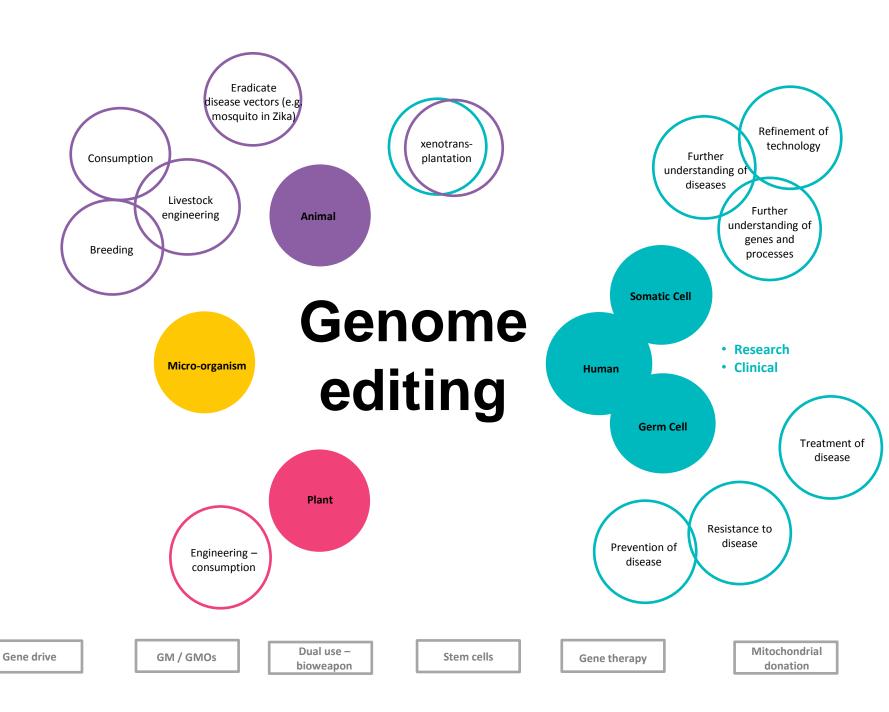
Genome editing tools potentially contribute to that mission through research and therapeutic applications.

Wellcome's Position – the Statement



Sept 2015

- Genome editing has huge potential to improve health and we welcome this advance.
- Nothing should be automatically ruled in or out before it has been fully explored.
- Broader than science need for an exploration of the ethical acceptability, social context, public perspective and oversight.

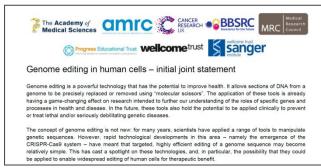


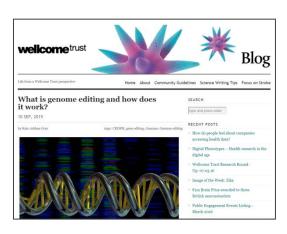


Why share an 'initial' position?

September 2015







- Proactively recognise the complexity of these technologies and start discussions
- Provide background and information to ensure that these discussions are constructive and everyone can contribute.
- We don't just want to hear extreme positions we want to hear interim positions and areas of uncertainty.
- Manage expectations and ensure realism is brought to the discussion.

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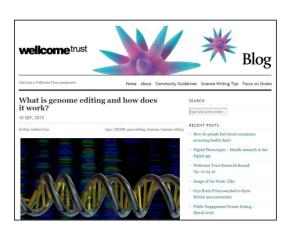


Why share an 'initial' position II?

September 2015







- Support open discussion and support make sure that the debate doesn't vilify scientists - concerned about the impact of an increasingly wideranging and vague moratorium.
 - Starting with a ban frames the discussion in unhelpful assumptions and could stifle discussion.
 - We welcome measures encouraging openness and transparency and initiatives that encourage a progressive environment.

What is Wellcome's position?

Support the use of genome editing in research. This includes using somatic cells and using germ cells / embryos up to 14 days

Support the therapeutic potential to use genome editing to edit germ cells or embryos

Support genome editing clinically when editing somatic cells

This reflects the UK legislative and regulatory framework –

Framework supported and facilitated by robust governance.

Research

Clinical

Genome editing wellcome trust

Where now?

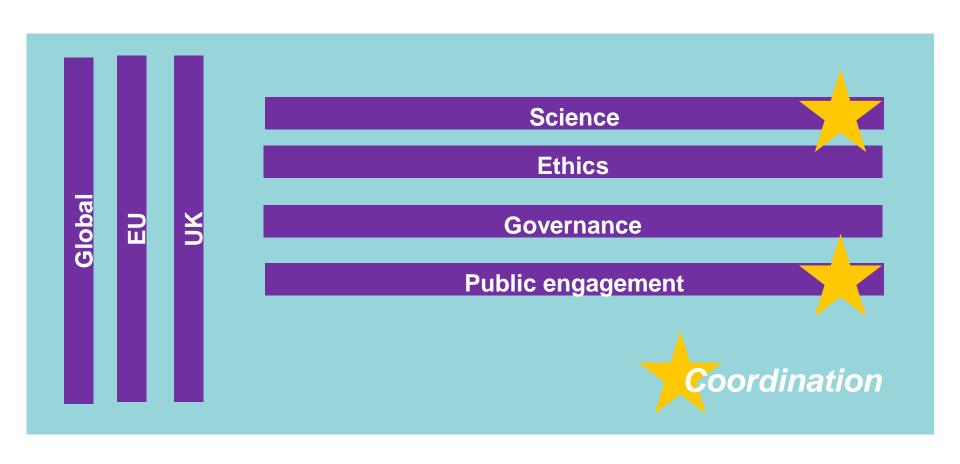
Advance ideas by funding applications to further the science; explore the ethics and engage with society are all being considered through our schemes.

Seize opportunities to bring together different communities to explore genome editing. We have funded a number of initiatives. For example:

- Hinxton Group Statement on Gene Editing (Sept 2105)
- US, UK and Chinese National Academies (International Summit Dec 2105 & working group (ongoing)

Meet and discuss with colleagues in research and industry, in the UK, Europe and internationally and act on opportunities to accelerate change.

Where next? (not just Wellcome!)



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Thank you