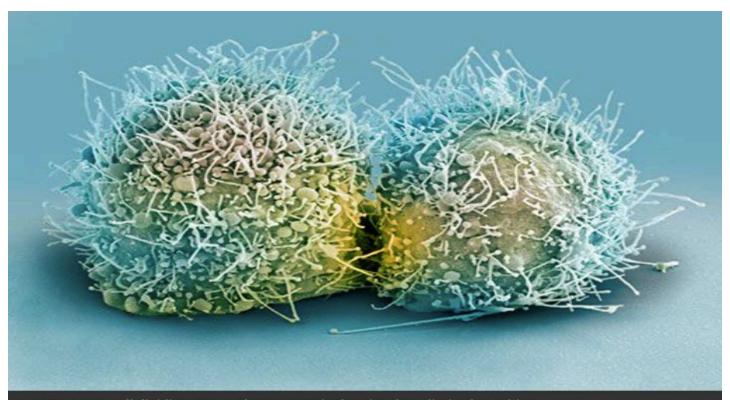


Inclusion of residual tissue in biobanks: opt-in or opt-out?

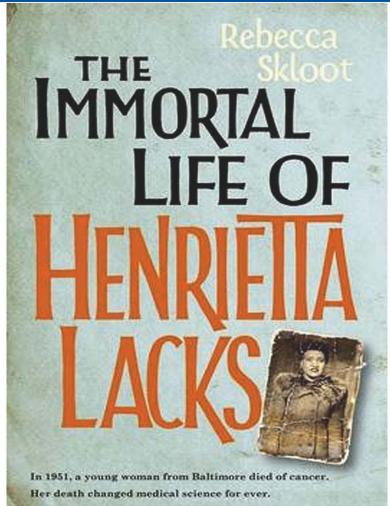
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Beskow. Annu. Rev. Genom. Hum. Genet. 2016

Background (1)

Opt-in or opt-out method to include residual tissue in biobanks?

- Biobanks: collection of human biological samples stored for biomedical research purposes
 - Also applicable to the samples stored in our diagnostic lab, if they are used for research
- Residual tissue: tissue that was taken in the course of clinical care and is leftover





Background (2)

- Informed consent: enable a person to make voluntary decision about participation in research with sufficient understanding
- Content and process
- Content: e.g. specific consent, broad consent
- Opt-in / opt-out: refers to the process of a consent procedure



Background (3)

- Opt-in: a person explicitly expresses consent
- Opt-out: inaction is treated as a signal of consent





Opt-out: scientific advantages

- Low refusal rates
 - include more samples
 - cost-efficient





Opt-out: grounded in a moral duty (1)

- Aim of biomedical research is to generate biomedical knowledge, which is beneficial to us all and may prevent serious harm
 - moral duty to participate in biomedical research
 - principles: beneficence, solidarity, reciprocity

Residual tissue: low risks and burdens

Inclusion the starting point



Concern (1) respect for autonomy

- Including samples from people without them knowing, and for some against their wishes
 - no respect for autonomy
 - harm people
- Depends on how the opt-out procedure shaped
 - sufficiently informed
 - make a choice whether they want to participate or not



Thick opt-out (opt-out plus)

- Awareness is raised among people about inclusion of residual tissue as the default position
- 2. Adequate information is provided
- A genuine possibility to object is presented and objections are adequately registered



To summarize

- Opt-out procedure
 - scientific advantages
 - justification in moral duty to participate primarily because of the low risks and burdens

Respect for autonomy implies certain conditions



To summarize

- Opt-out procedure
 - scientific advantages
 - justification in moral duty to participate primarily because of the low risks and burdens

Respect for autonomy implies certain conditions



Concern (2) low risks and burdens?

- Wide variety of research and diversity of samples
- Weaker moral duty
 - Higher risks and/or burdens, consider e.g. broad genetic testing WGS (unsolicited findings)
 - Sensitive tissue/cells/techniques, e.g. immortal cell-line

– ...



Concern (2) reconsent

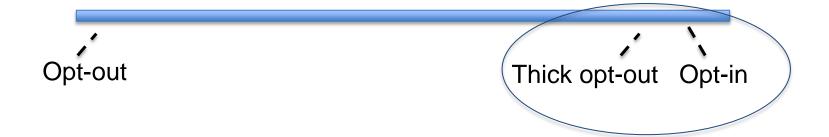
Inclusion → storage → usage

- Sample included with thick opt-out broad consent "your leftover tissue is used for biomedical research unless you object"
- Reconsent for specific higher risk study
 "can we use your stored tissue for a WGS study..."



To conclude

- Opt-out procedure
 - Only when conditions are fulfilled





My opinion

