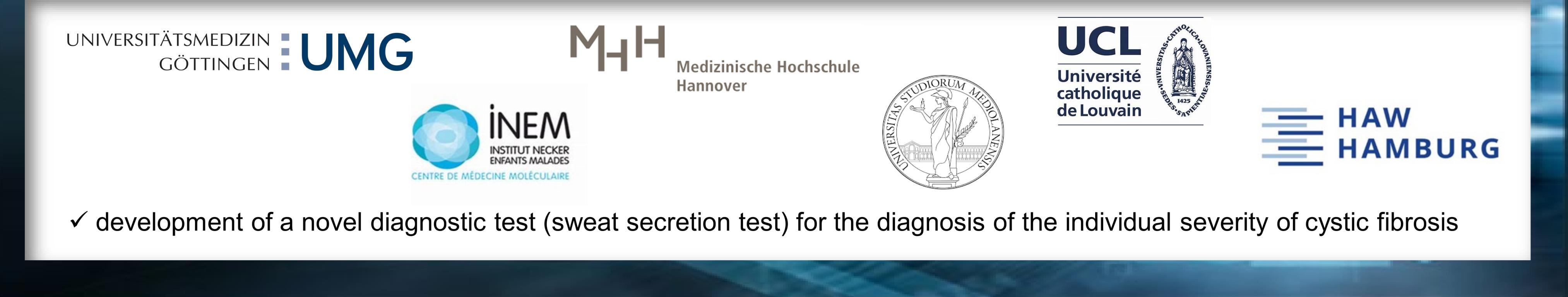


Ethical implications of integrating new technologies in clinical routine: trust and autonomy in the realm of personalised medicine

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Stracyfic – the research network:



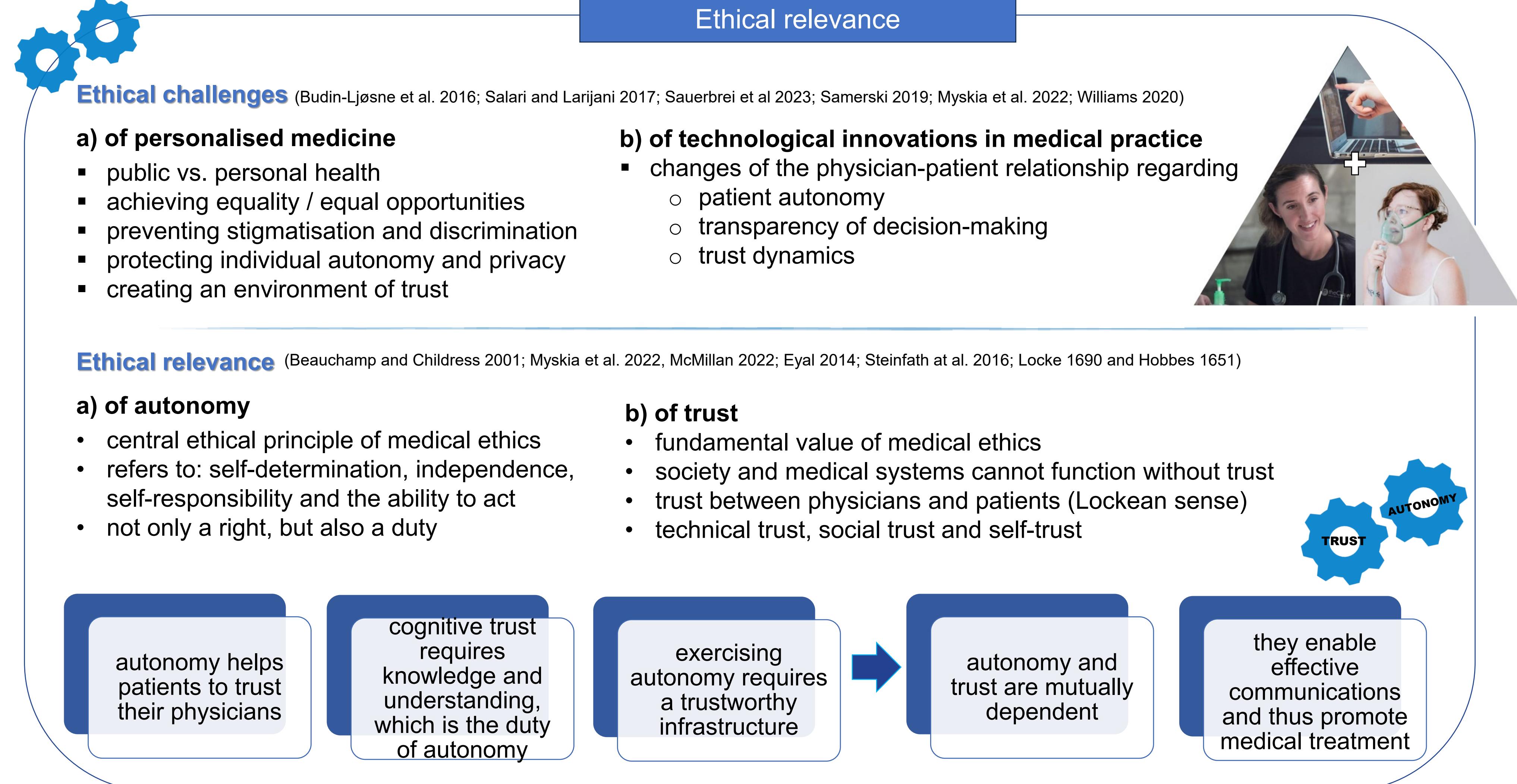
- ✓ development of a novel diagnostic test (sweat secretion test) for the diagnosis of the individual severity of cystic fibrosis

Objectives

- (1) identify and analyse ethical challenges in dealing with the new diagnostic tool;
 - (2) determine cultural differences;
 - (3) better understanding of medical ethical standards applied in practice (focus: trust and autonomy);
 - (4) provide best practice examples as training material.

Research question

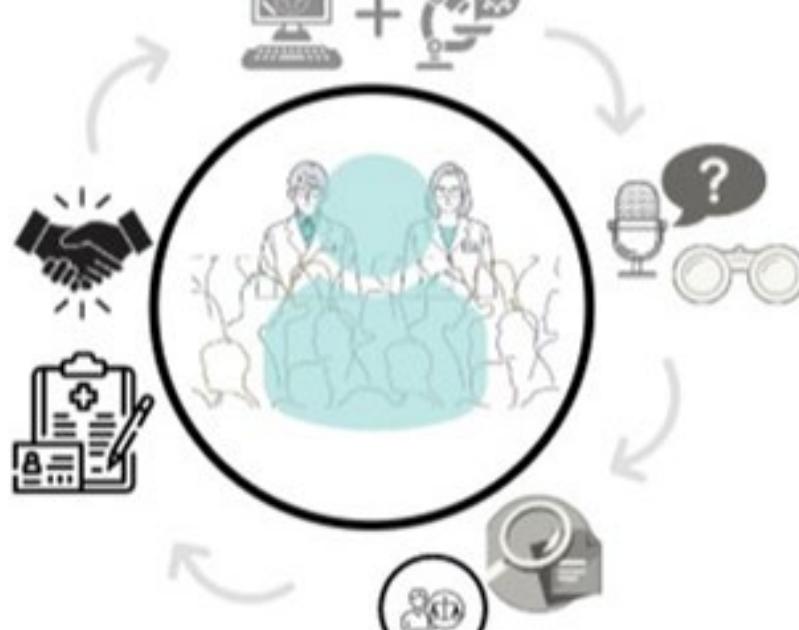
What ethical implications arise when dealing with new technological artifacts, especially diagnostic tools, in the everyday medical lives of patients and physicians?



Methodological approach

Empirical - ethical study: A mixed-method approach (Schneider et al. 2023)

- ✓ working together with  MUKOVISZIDOSE_{ev} : support with translations and interview questions



(1) qualitative empirical-ethical study:
85 participants – 10 interviews with

- 25 semi-structured interviews with patients, physicians and technical assistants (5 in each of the partner clinics) (Hopf 2012; Froschauer and Lueger 2003)
 - principle of openness and narrative generating function (Flick 2003)
 - expectations and attitudes of patients, physicians and technical assistants are analyzed (deductively/inductively) by category and coding system using MAXQDA software (Kuckartz and Rädiker 2022)

(2) quantitative study: online survey

- developed from the results of the qualitative study
 - short online survey (6 -10 min.) for patients

Output

- shaping the triangular relationship between patient, physician and technological innovation in such a way that ethical challenges are taken into account, so that individual autonomy and a trustful environment are strengthened in order to promote medical treatment through an ethical implementation of the novel diagnostic test