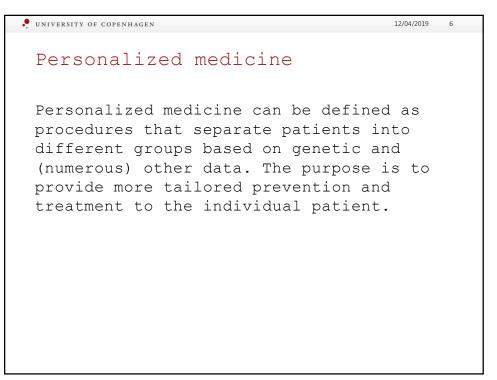


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    CLINIVERSITY OF COPENHAGEN
    Regulation and clinical innovation
    Clinical innovation in the clinic
    In accordance with science and proven method
    Clinical innovation in research/clinical trials
    "In a clinical trial the rights, safety, dignity and well-being of subjects should be protected and the data generated should be reliable and robust. The interests of the subjects should always take priority over all other interests." (EU Regulation 536/2014)
```



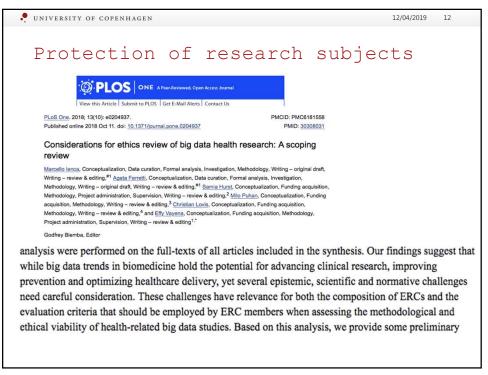
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 Personalized medicine
 How could a protocol look like?
 Project aims at establishing patterns to
   stratify patients with rheumatological
   conditions, diabetes and coronary artery disease
   to more tailored treatment
 Data used will be GWAS analysis of 150.000
   samples from a population biobank storing
   residual samples from the clinic, as well as
   data from a number of other registries with
   health and socio-economic data.
 Due to the vast number of research subjects and
   the lack of perceived risks, individual consent
   will not be obtained.
```

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    INIVERSITY OF COPENHAGEN
    REC assessment of personalized
medicine project
    Scientific quality of the project?
    Are the rights, safety, dignity and
well-being of research subjects
protected?
    Do the interests of research subjects
take priority?
```

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Scientific quality
Hypothesis-driven versus data-driven Section 18 Danish Act on Research Ethics Review of Health
Research Projects
3) the project's scientific standard meets the requirement that the project should lead to new knowledge or investigate existing knowledge, which justifies the implementation of the research project, cf. Section 1 (1) 2nd sentence, and 4) there is sufficient reason to undertake the project and aurochations as to the project's conclusions are set.
and expectations as to the project's conclusions are justified.
-
Is is possible to make these assessments?
 Are the REC's equipped with the right competences (e.g. data specialists, bioinformatics, statistics etc)



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Protection of research subjects
Are the rights, safety, dignity and well-
being of research subjects protected?
Which rights? Privacy, autonomy, equity,
right to non-discrimination ...... ?
Who's rights? Research subjects, family
members, childrens' rights ...?
Which risks/harms? Bodily harm, mental
and social harm? (infringement of
privacy, incidental findings, risk of
discrimination, lack of control, etc)
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 Innovation of regulation
 Regulatory frameworks needs to be better aligned
 with new research designs
 Composition of REC must reflect the necessary
 expertise
 The legal framework should be more open to both
 factual an evaluative changes

    Inger Johanne Sand, The Regulation of Vital Risks,

   Uncertainties and Scientific Controversies, in Ret &
   Usikkerhed, 2005-
 Compensating those who have suffered harms

    Prainsack and Buyx, Solidarity in biomedicine and beyond,

   2017.
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