Ethical challenges in biosensor research and application

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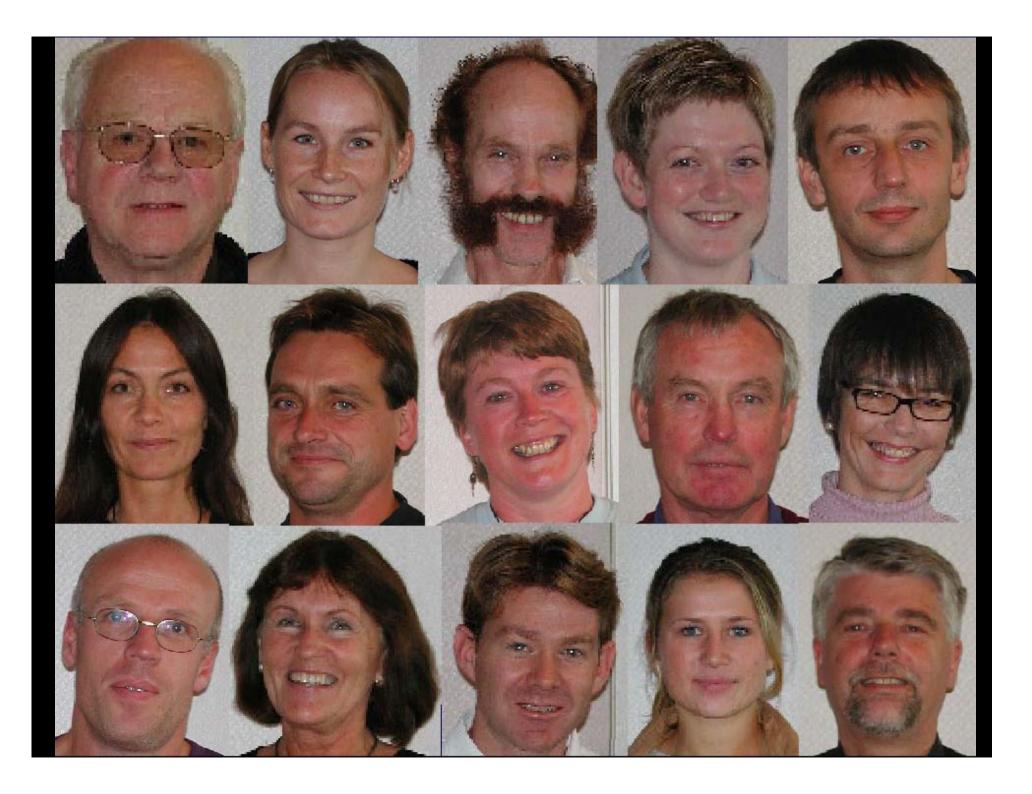
Why should we consider ethical issues?

- Obliged to evaluate the foreseeable consequences
- A public debate might facilitate the acceptance biosensor technology
- Make the technology more socially robust
- A public debate might open new business opportunities

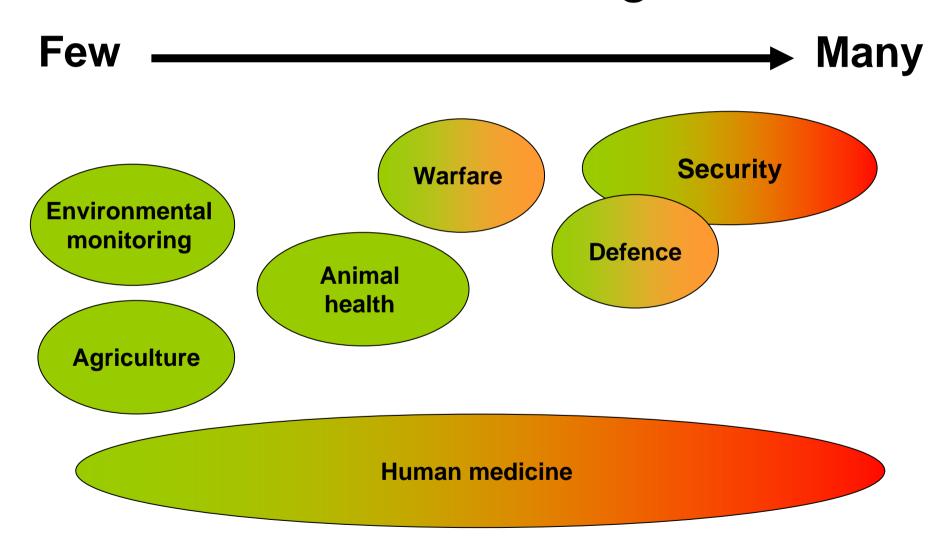
Who should perform an ethical evaluation?

- Experts
- Laypersons

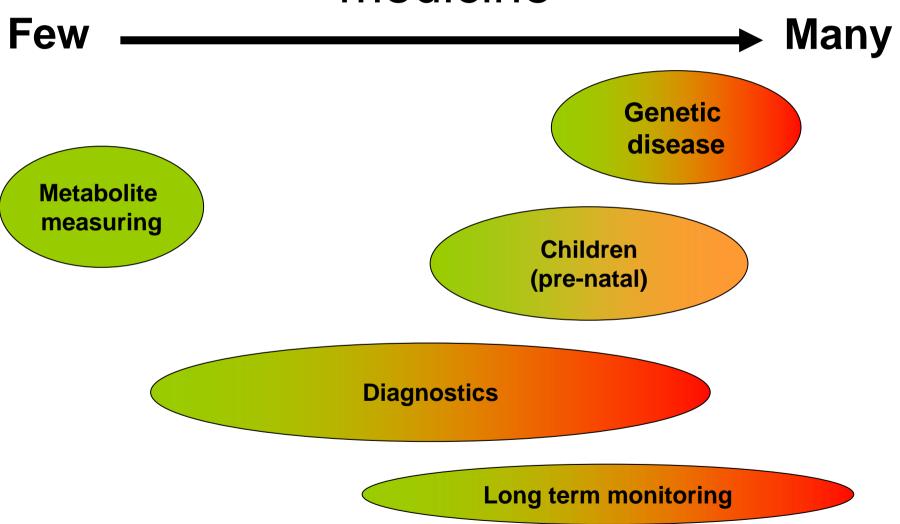
Panels with both expert and laypersons



Ethical challenges



Ethical challenges within human medicine



Issues useful in identifying ethically challenging areas

- Informed consent
- Autonomy
- The right to know
- The right not to know
- Results should be followed by action
- Best for the child
- Equal opportunities

For what reasons do we develop Biosensors?

- A desire to help?
- Make money?
- Aversion against responsibility?
 - "The test-strip-physician"
- Risk reduction?
 - Factual risk is not necessary paralleled by a persons experienced risk

- Avoid overselling
- Remember the π -rule (3,14)
- Search for answers in our time and societies
- Case-by-case strategy
- Step-by-step adoption

Thank you for the attention!