

The creation and management of innovation in healthcare

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Propositions accompanying the thesis

The creation and management of Innovation in Healthcare

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The example of Personalised Medicine

By

Sebastian Schee genannt Halfmann

1. The 'innXchange innovation wheel' and the underlying concept of 'systematic early dialogue' can play an important role in improving the innovation creation and management process in healthcare and ICT. **(Dissertation)**
2. The emergence of bottom-up, low-cost innovations highlights that innovation can appear without high R&D expenditures. Therefore, being a top investor in R&D does not guarantee to be a top innovator anymore. **(Dissertation)**
3. Innovation approaches such as frugal innovations have a great potential to address the many challenges that we are facing by promoting inclusiveness of all parts of society in the innovation process and offering low-cost solutions to address major needs. **(Dissertation)**
4. Only if all stakeholders, including policy makers, industry and citizens stop working in silos and start collaborating on local, national and international level from the beginning of the innovation process, will the benefits of PM reach the patients and healthcare systems. **(Dissertation)**
5. Personalised medicine can make healthcare systems more effective and efficient and improve the quality of life of millions of patients. **(Dissertation)**
6. We have to ensure that our actions are fit-for-purpose in order to make Europe a global innovator. **(Valorization)**
7. "The future of innovation in Europe is less a theoretical or empirical question and more one of intent and principle. The key issue is what society we want: innovation is a necessary but not sufficient condition for social inclusion and sustainability as well as productivity, jobs and growth. Shall we seize the innovation opportunity? This note rests on the conviction that Europe will want to remain an innovator in and for the world, and that we Europeans can still do that." **(Robert Madelin)**
8. "It's [DNA] a giant resource that will change mankind, like the printing press." **(James Watson)**
9. "Innovation distinguishes between a leader and a follower." **(Steve Jobs)**
10. "Difficulties are just things to overcome after all." **(Ernest Shackleton)**