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## **Systems science for medicine; Synergy at the boundary between biology and physics**

*Wednesday 6 December 2017 11:00 (30 minutes)*

Medicine remains a qualitative discipline because we have not yet understood the fundamental physics governing biological systems. Current approaches have made huge headway, but lack cohesive frameworks capable of indexing and integrating detailed findings into quantitative frameworks assisting the promotion of health.

In this lecture, I describe potential short-, intermediate-, and long-term projects, ending with a discussion of my current work on the biophysics of brain function.

**Presenter:** Dr GOLDMAN, Jennifer Sarah (European Institute for Theoretical Neuroscience (EITN))