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Born in 1976 in San Francisco, USA

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SCHWERPUNKT

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## ARBEITSVORHABEN

### Modellbildung und Verhaltensbeurteilung der sozialen Dynamik bei Präventionensentscheidungen

Our goal is to understand the interplay between uncertainty and social decision-making in the context of influenza vaccination and outbreak surveillance. Human decisions are driven by people's understanding of the biological system, and the human decisions in turn affect the biological dynamics of disease transmission. Assessing the interplay among biological systems, decision-making processes, social influences and mechanisms of global governance will lead to more accurate predictions of behavior.

#### Recommended Reading

Galvani, A. P. and M. Slatkin. "Evaluating plague and smallpox as historical selective pressures for the CCR5-xx32 HIV-resistance allele." *Proceedings of the National Academy of Sciences, USA* 100 (2003): 15276-15279.

Galvani, A. P. "Epidemiology meets evolutionary ecology." *Trends in Ecology and Evolution* 18 (2003): 132-139.

Galvani, A. P. "The role of mutation accumulation in HIV progression." *Proceedings of the Royal Society London, Series B* 272 (2005): 1851-1858.