

# Statistical Physics Approaches to Systems Biology

## Havana, Feb 2019

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King's College London and Saddle Point Science

- ▶ mathematical tools
- ▶ introduction to survival analysis
- ▶ the replica method in biomedicine
- ▶ statistical mechanics of overfitting in survival analysis
- ▶ latent heterogeneity and competing risks

technicalities:  
important, but are in the handouts  
(pdfs on conference website)

in lectures: please focus on  
*ideas and intuition ...*



[papers, seminars, lecture notes](https://nms.kcl.ac.uk/ton.coolen)  
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