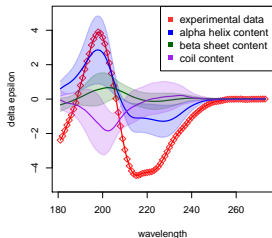


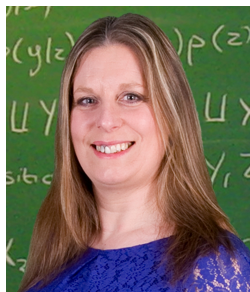
# Statistics for Analytical Science at Warwick

- Simon Spencer
  - Bayesian statistics in epidemiology
  - Statistics for analytical science
- Jere Koskela
  - Bayesian statistics in genetics
  - Computational methods
- Adam Johansen
  - Computation for Bayesian statistics
  - Real-time / on-line inference
- Julia Brettschneider
  - High throughput gene expression
  - Spatial measurements (microscopy)
- Shahin Tavakoli
  - Functional data analysis



*Bayesian prediction of protein secondary structure from circular dichroism spectra*





- Encourage and co-ordinate external partnerships which enable the early applications of theoretical, methodological and algorithmic developments



- 50 faculty (approx) plus 12 research fellows
- Key research initiatives:
  - CRiSM – the Centre for Research in Statistical Methodology
  - Warwick Data Science Institute (WDSI)
  - A lead department spearheading Warwick's membership of the £42M Alan Turing Institute
  - Bayes4Health and CoSInES (£3M each) programme grants; applications in epidemiology, genetics, engineering, and security
  - Centre for Doctoral Training in Mathematics and Statistics (with the Mathematics Institute).