

**Joint Bayes4Health/CoSInES Workshop: Provisional programme**

**Sommerville College, Oxford. 28-31st March 2023**

**Tuesday 28th March**

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| **12.00** | Registration & Lunch |
| **13.30 -15.15** | Alex Beskos  Marina Riabiz *Kernel Stein discrepancy minimization for MCMC thinning with application to cardiac electrophysiology*  Saif Syed |
| **15.15-15.45** | Break |
| **15.45- 17.30** | Pierre Jacob  Kamelia Daudel *Alpha-divergence Variational Inference Meets Importance Weighted Auto-Encoders: Methodology and Asymptotics*  Sam Livingstone |

**Wednesday 29th March**

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| **9.00-10.45** | Lionel Riou-Durand  Anto Mira  Hong Ge |
| **10.45-11.15** | Break |
| **11.15-12.30** | Chris Nemeth *Coin Sampling: Gradient-Based Bayesian Inference without Learning Rates*  Nikolas Kantas |
| **12.30 – 13.45** | Lunch |
| **13.45 – 15.00** | Tamas Papp *Dimensional scaling of coupled MCMC algorithms*  Hai-Dang Dau |
| **15.00-15.30** | Break |
| **15.30- 16.45** | Andi Wang  Sebastiano Grazzi |

**Thursday 30th March**

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| **9.00-10.45** | Bani Mallick *Bayesian local modeling of complex data (Tentative)*  Filippo Pagani  Florence Forbes *Amortized simulation-based Bayesian inference for high dimensional inverse problems: application to magnetic resonance fingerprinting* |
| **10.45-11.15** | Break |
| **11.15-12.30** | Geoff Nicholls *Bayesian inference for partial orders from random linear extensions*  Lorenzo Rimella *Approximating optimal SMC proposal distributions in individual-based epidemic models* |
| **12.30-14.00** | Lunch |
| **14.00-15.15** | Sam Power  Estelle Kuhn *Modeling dependent survival data through random effects with spatial correlation at the subject level: application to malaria data analysis* |
| **15.15-15.45** | Break |
| **15:45- 17:00** | Marcelo Pereyra  Alice Corbella *The Lifebelt Particle Filter for robust estimation from low-valued count data* |

**Friday 31st March**

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| **9.00-10.45** | Paul Jenkins *Learning about multimorbidity dynamics using a time-dependent Indian Buffet Process*  Veronica Bowman  Rob Scheichl |
| **10.45-11.15** | Break |
| **11.15.12.30** | T J McKinley  Ioanna Manolopoulou *Bayesian Causal Forests for Heterogeneous Treatment Effects Estimation* |
| **12.30-13.30** | Lunch and close |
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