<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>8:30–9:20</td>
<td>Registration</td>
</tr>
<tr>
<td>9:20–9:30</td>
<td>Introduction</td>
</tr>
</tbody>
</table>
| 09:30–10:30  | **Stanley Wasserman**  
Statistical models for networks: The past, present, and future |
| 10:30–11:00  | Coffee Break                                                          |
| 11:00–12:30  | **Statistics of networks**                                           |
| 11:00–11:30  | FORD, Ashley*(Warwick University)*  
Statistically Equivalent Graphs and Product Space Representations |
| 11:30–12:00  | FYSON, Nick*(University of Bristol)*  
Network Reconstruction by Set Covering |
| 12:00–12:30  | POLANSKI, Arnold*(Queen's University Belfast)*  
Recovering Connection Structures from Individual Attributes |
| 12:30–13:30  | Lunch                                                                 |
| 13:30–15:00  | **Epidemics**                                                         |
| 13:30–14:00  | WANG, Xueying*(SAMSI)*  
Pairwise Closure Approximations in epidemic models on networks |
| 14:00–14:30  | KYPRAIOS, Theodore*(University of Nottingham)*  
Bayesian Inference for Stochastic Epidemic Models on Networks |
| 14:30–15:00  | ROBINSON, Katy*(University of Bristol)*  
The dynamics of sexual contact networks: effects on disease spread and control |
| 15:00–15:30  | Coffee Break                                                          |
| 15:30–16:30  | **Michael Stumpf**                                                   |
|              | To be announced                                                       |
| 16:30–17:30  | **Eric Kolaczyk**                                                    |
|              | Drug Target Prediction: Finding Biological Needles in a Haystack of Networks |
| 18:00–20:00  | **Poster Session**                                                   |
# Timetable for Tuesday 29th June

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>09:00–10:00</td>
<td>Sanjeev Goyal</td>
<td>Strategic Network Formation</td>
</tr>
<tr>
<td>10:00–10:30</td>
<td>Coffee Break</td>
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<tr>
<td>10:30–12:00</td>
<td>Theory of Networks</td>
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<tr>
<td>10:30–11:00</td>
<td>JONES, Nick (Oxford Physics)</td>
<td>A Taxonomy of Networks: Using a Mesoscopic Response Function to investigate structure in empirical networks</td>
</tr>
<tr>
<td>11:00–11:30</td>
<td>LAMBIOTTE, Renaud (Imperial College London)</td>
<td>Dynamics, Modularity and Robustness of Complex Networks</td>
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<tr>
<td>11:30–12:00</td>
<td>AMBLARD, Pierre-olivier (CNRS/GIPSAlab)</td>
<td>Directed information theory to infer causality graphs</td>
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<tr>
<td>12:00–13:00</td>
<td>Lunch</td>
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<tr>
<td>13:00–14:00</td>
<td>Stephane Robin</td>
<td>Uncovering structure in biological interaction networks</td>
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<tr>
<td>14:00–15:00</td>
<td>Viewing the Goldney Grotto</td>
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<tr>
<td>15:00–15:30</td>
<td>Coffee Break</td>
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<tr>
<td>15:30–17:00</td>
<td>Social networks</td>
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<tr>
<td>15:30–16:00</td>
<td>McCORMICK, Tyler (Department of Statistics, Columbia University)</td>
<td>Latent Structure Models for Social Networks using Aggregated Relational Data</td>
</tr>
<tr>
<td>16:00–16:30</td>
<td>ZAMAN, Tauhid R (Massachusetts Institute of Technology)</td>
<td>Finding Rumor Sources in Networks</td>
</tr>
<tr>
<td>16:30–17:00</td>
<td>HEARD, Nick (Imperial College London)</td>
<td>Bayesian Anomaly Detection Methods for Social Networks</td>
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## Timetable for Wednesday 30th June

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
</table>
| 09:00–10:00 | **Geoffrey West**  
Universal Scaling Laws, Network Structures, Sustainability and the Pace of Life from Cells and Ecosystems to Cities and Corporations |
| 10:00–10:30 | *Coffee Break*                                    |
| 10:30–12:00 | **Biological and genetic networks**               |
| 10:30–11:00 | PENFOLD, Christopher  
University of Warwick  
Systems Biology Networks |
| 11:00–11:30 | IQBAL, Mudassar  
University of Warwick  
An Integrative Bayesian Analysis of Transcription Regulation in *S. coelicolor* |
| 11:30–12:00 | JUAREZ, Miguel  
University of Warwick  
Inferring the topology of a non-linear gene regulatory network using fully Bayesian spline regression |
| 12:00–13:00 | *Lunch*                                        |
| 13:00–14:30 | **Statistics of networks**                      |
| 13:00–13:30 | BOWSHER, Clive  
University of Cambridge  
Biomolecular Networks: Dynamic Independence, Modularisation and Information Processing |
| 13:30–14:00 | SMITH, Andrew  
University of Bristol  
Nonparametric regression on a graph |
| 14:00–14:30 | PERRY, Patrick O.  
Harvard University  
A graph log-linear model for characterizing repeated interactions |
| 14:30–15:00 | *Coffee Break*                                    |
| 15:00–16:00 | **Sean Meyn**  
The Value of Volatile Resources in Electricity Markets |
| 16:00–17:30 | **Traffic and transport**                       |
| 16:00–16:30 | BEJAN, Andrei  
University of Cambridge  
Statistical Modelling and Analysis of Sparse Bus Probe Data in Urban Areas |
| 16:30–17:00 | GIBBENS, Richard  
University of Cambridge  
An investigation of proportionally fair ramp metering |
| 17:00–17:30 | GASTNER, Michael  
Imperial College London  
The complex network of global cargo ship movements |
<p>| 19:00–23:00 | <em>Conference Dinner</em>                             |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Organization</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>9:30–10:30</td>
<td>Animal social networks</td>
<td>SENDOVA-FRANKS, Ana B.</td>
<td>University of the West of England</td>
<td>Emergency networking in ant colonies</td>
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<tr>
<td>9:30–10:00</td>
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<td>Bristol</td>
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<tr>
<td>10:00–10:30</td>
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<td>JAMES, Dick</td>
<td>University of Bath</td>
<td>Animal Social Networks</td>
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<td>10:00–10:30</td>
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<tr>
<td>10:30–11:00</td>
<td>Coffee Break</td>
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<tr>
<td>11:00–12:00</td>
<td>David Barber</td>
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<td>Finding graph clusters using clique matrices</td>
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<tr>
<td>12:00–13:00</td>
<td>Brendan Murphy</td>
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<td>A mixture of experts latent position cluster model for social network data</td>
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<tr>
<td>13:00–14:00</td>
<td>Lunch</td>
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<tr>
<td>14:00</td>
<td>Conference ends</td>
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