# Programme

**Application of Infrared Thermography to diagnose health conditions in farm animals**

*Wednesday, 24th January 2018*

*The Boiler House, Newcastle University*

[http://conferences.ncl.ac.uk/irtnewcastle2018/](http://conferences.ncl.ac.uk/irtnewcastle2018/)

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<th>Time</th>
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<tr>
<td>10.00 - 10.15</td>
<td>Arrival – refreshments</td>
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| 10.15 - 10.20 | Welcome and Introduction                                                   | **Dr Jonathan Guy**  
Senior Lecturer  
School of Natural and Environmental Sciences  
Newcastle University  
**Prof Malcolm Mitchell**  
Chair in Physiology and Animal Welfare  
SRUC                                                        |
|              | *Chair*                                                                     | **Prof Malcolm Mitchell**  
                                                        |
| 10.20 - 10.45 | **Insights from the wild: thermography as a tool for monitoring metabolic heat production, tagging and handling** | **Dr Dominic McCafferty**  
Senior Lecturer  
Institute of Biodiversity Animal Health and Comparative Medicine  
University of Glasgow                                                        |
| 10.45 - 11.10 | **Stress is cool: thermography as a non-invasive approach to assess welfare in birds** | **Dr Dorothy McKeegan**  
Senior Lecturer  
Institute of Biodiversity Animal Health and Comparative Medicine  
University of Glasgow                                                        |
| 11.10 - 11.25 | **Looking through the rainbow: Practical tips and technical info to get the most out of thermal imaging in livestock science** | **Marianne Farish**  
Experimental Manager and Senior Technician  
Animal & Veterinary Sciences Research Group  
SRUC                                                        |
| 11.25 - 11.45 | Coffee break                                                               | **Demonstrations of IRT offered by:**  
**Marianne Farish,** SRUC  
**George Coles,** MiracleTech  
**Kelly Jewell,** Digatherm UK                                                        |
| 11.45 - 12.05 | **Thermal imaging for welfare monitoring in poultry farms**                | **Dr Katherine Herborn**  
Research Associate  
Institute of Neuroscience  
Newcastle University                                                        |
| 12.05 - 12.30 | **What can mother hens teach us about using thermography to measure welfare?** | **Dr Joanne Edgar**  
BBSRC Fellow  
School of Clinical Veterinary Science  
University of Bristol                                                        |
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<tr>
<td>12.30 – 13:15</td>
<td>Lunch</td>
<td>Dr Jonathan Guy</td>
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<td>13:15 - 13.40</td>
<td>Explorations in clinical vascular optics and thermography – hot topics to share</td>
<td>Dr John Allen</td>
<td>Dr John Allen - Lead Clinical Scientist / Honorary Clinical Senior Lecturer Institute of Cellular Medicine at Newcastle University Northern Medical Physics and Clinical Engineering at Freeman Hospital</td>
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<td>13:40 - 14:00</td>
<td>Infrared Thermography to characterise injury and disease in pigs</td>
<td>Dr Pierpaolo Di Giminiani</td>
<td>Dr Pierpaolo Di Giminiani - Research Associate School of Natural and Environmental Sciences Newcastle University</td>
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<td>14.00 - 14.15</td>
<td>Industry needs and priorities</td>
<td>David Brass</td>
<td>David Brass - CEO The Lakes Free Range Egg Co.</td>
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<td>14.15 - 15.00</td>
<td>General discussion and identification of areas of common interest</td>
<td>Dr Jayshree Johnstone</td>
<td>Dr Jayshree Johnstone - Business Development Manager Newcastle University</td>
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<td>15.00- 15.15</td>
<td>Conclusions and actions</td>
<td>Dr Jayshree Johnstone</td>
<td>Dr Jayshree Johnstone - Business Development Manager Newcastle University</td>
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