**Monday 6th August 2018**

**9:30 – 10:00am Registration and coffee**

**10:00 – 11:30am Nanoparticle-biological Interactions I**

10 – 10:20 **Terry Tetley** (Imperial College) *- Bioreactivity of nanomaterials at the gas-blood barrier of the lung*

10:20 – 10:30 **Christopher A.W. David** (University of Liverpool) - *Potential for immune modulation by inhibition of autophagic processes*

10:30– 10:40 **Edoardo Scarpa** (UCL) - *Controlling cellular trafficking by nanoparticle avidity: from endocytosis to transcytosis.*

10:40– 10:50 **Medina Guliyeva** (UCL) - *Modelling nanoparticle-biological interactions: The species of serum influences the Au nanoparticle cell – interactions*

10:50 – 11:00 **General discussion**

***11:00 – 11:30am Coffee break***

**11:30 – 12:30pm Nanoparticle-biological Interactions II**

11:30 – 11:50 **Ciro Chiappini** (KCL) - *Nanobionic interfaces to stimulate neural cell differentiation*

11:50 – 12:00 **Nathalie Lavignac** (University of Kent) - *Poly(amidoamine)/protein conjugates*

12:00 – 12:10 **Laura Rodriguez-Arco** (UCL) -*Super-selective polymersomes*

12:10 – 12:20 **Nashwa Osman** (Liverpool John Moores University) - *Size and charge dependant inflammatory response of polymeric nanocarriers*

12:20 – 12:30 **General discussion**

***12:30 – 2:00pm Lunch and poster session 1***

**2:00 – 3:00pm** **Nanoparticles for Drug Delivery**

2 – 2:20 **Maya Thanou** (KCL) - *Nanoparticles as functional tools in image guided drug delivery*

2:20 – 2:30 **Andrés** **García** (UCL) - *Developing novel drug nanocarriers to improve pancreatic cancer outcomes.*

2:30 – 2:40 **Juan Gonzalez-Valdivieso** (University of Valladolid) - *Elastin-like Recombinamers-based nanoparticles: an accurate drug delivery system on cancer cells*

2:40 – 2:50 **Robert Cavanagh** (University of Nottingham) - *In vitro* assessment of radio-responsive polymeric nanoparticles for triple negative breast cancer therapy

2:50 – 3:00 **General discussion**

***3:00 – 3:30pm Coffee break***

**3:30 – 4:30pm** **Nanoparticles for Targeted Therapy**

3:30 – 3:50 **Alvaro** **Somoza** (IMDEA, Spain)- *Smart nanoparticles for the treatment of cancer*

3:50 – 4:00 **Alice Spadea** (University of Manchester) – Hyaluronic acid basednanoparticles for specific tumour targeting

4:00 – 4:10 **Priyanka Bhatnagar** (AIIMS, India) - *Targeted delivery of P53 modulators and anti-cancer drugs to achieve synergistic therapeutics effects for cancer therapeutics.*

4:10 – 4:20 **Helen Box** (University of Liverpool) - Towards a reduced dose oral darunavir/ritonavir nanoparticle formulation

4:20 – 4:30 **General discussion**

**4:45 – 5.30 Career event and Networking**

**5:30 – Pizza and drinks**

**Tuesday 7th August 2018**

**9:00 – 10:00am BSNM AGM**

**10:00 – 11:00am Nanoparticles for cancer therapy**

10 – 10:20am **Kate Ricketts** (UCL) – *Nanoparticle enhanced radiotherapy & imaging*

10:20 – 10:30 **Lynn Jena** (Queen’s University Belfast) - *Development of a nanomedicine for the treatment of glioblastoma multiforme*

10:30 – 10:40 **Alexandra-Geanina Văideanu** (University of Cambridge) - *Precision nanomedicine – the case of glioblastoma multiforme*

10:40 – 10:50 **Afra Daoud** (Queen’s University Belfast) - *The development and characterization of nanotherapies for the treatment of pancreatic cancer*

10:50 – 11:00 **General discussion**

***11:00 – 11:30am Coffee break***

**11:30-12:30 Novel Nanomaterials**

11:30 – 11:50 **Imad Naasani** (Nanoco Technologies Ltd) - Quantum dots beyond simple imaging

11:50 – 12:00 **Baeckkyoung Sung** (University of Birmingham) - *Transport mechanisms of functional nanoparticles through skin: from microneedle-based devices to peristaltic lymph vessels.*

12:00 – 12:10 **Sandra Bustamante-Lopez** (Swansea University) - *Biological compatibility of biochar-derived fluorescent nanoparticles*

12:10 – 12:20 **Georgios Kasparis** (UCL) - *Synthesis and application of best-in-class Zn0.4Fe2.6O4 nanoparticles for cancer hyperthermia*

12:20 – 12:30 **General discussion**

**12:30 – 2:00pm Lunch and poster session 2**

**2:00 – 3:00pm** **Innovative uses for nanomaterials**

2:00 – 2:20 **Loris Rizzello** (UCL) - *Targeting mononuclear phagocytes for eradicating intracellular parasites*

2:20 - 2:30 **Louise Finch** (Keele University) - *Neurosurgical grade biomaterial, DuraGenTM, offers clinical translation potential for the protective encapsulation of nanoengineered neural stem cells in neural cell therapy*

2:30 – 2:40 **Ethel Koranteng** (UCL) - *Light-Activated Surfaces for Reducing Hospital Acquired Infections*

2:40 – 2:50 **Virgínia M Gouveia** (UCL) - *pH-responsive nanotherapy towards rheumatoid arthritis*

2:50 – 3:00 **General discussion**

**3:00 – 3:30*pm Coffee break and poster removal***

**3:30 – 4:00pm Panel discussion**: Overcoming barriers for the commercialisation of nanomedicines

**4:00 – 4:30pm Prize giving and closing ceremony**

**4:30pm – Networking and close**