

## Thursday 10<sup>th</sup> August

**9 am registration opens**, Medical Biology Centre, Queens University Belfast, 97 Lisburn Road, BT9 7BL

10.00-10.15 Introduction and housekeeping. **Chris Scott**, Queens University Belfast

10.15-10.45 **KEYNOTE LECTURE: Fred Currell**, Queens University Belfast

“Medical implications of physical and chemical processes occurring when radiation meets heavy atom nanoparticles”

10.45-11.00 **Michael Johnston** “Development of nanoparticle based therapeutics targeting death receptor 5 for the treatment of pancreatic cancer”  
*Selected Abstract 1*

11.00-11.15 **Rajith Rajoli** “Transdermal delivery with microneedle patches using *in silico* modeling” *Selected Abstract 2*

11.15-11.45 Coffee and all poster preparation

11.45-12.00 **Sunjie Ye** “Engineering of light-triggered nanomedicine based on novel gold nanomaterials or photothermally-responsive hybrid film” *Selected Abstract 3*

12.00-12.15 **Ana Leticia Braz** “Early stage of nanotherapeutic development for glioblastoma” *Selected Abstract 4*

12.15-12.30 **Lindsey Bennie** “Peptide delivery systems for gold nanoparticles in the treatment of prostate cancer” *Selected Abstract 5*

12.30-12.45 **Belen Pan-Castillo** “Antibody-drug conjugates for gynaecological cancers” *Selected Abstract 6*

12.45-2.30 Lunch and poster session 1

2.30-2.45 **Mark McCully** “Osteogenic acceleration: antisense RNA conjugated nanoparticles blocking mir-31 increases osteogenic markers” *Selected Abstract 7*

2.45-3.00 **Natalie Orr** “Development of a liposomal dry powder for inhalation containing chloramphenicol for use in CF” *Selected Abstract 8*

3.00-3.15 **Shannon O’Neill** “Enhancing the radiosensitivity of prostate cancer using a cancer stem cell-targeted gold nanoparticle” *Selected Abstract 9*

3.15-3.45 **Zhijun Guo** “Surface bioactivation through the nanostructured layer on titanium modified by facile HPT treatment” *Selected Abstract 10*

3.45-4.00 Coffee

4.00-4.15 **Hugo Nolan** “Nanoparticle-hydrogel biomedical composites synthesis via atmospheric microplasma processing” *Selected Abstract 11*

4.15-4.30 **Ilija Rašović** “Self-assembled hydrogels from highly water soluble fullerene derivatives” *Selected Abstract 12*

4.30-4.45 **Lai Jiang** Development of Gentamicin-loaded Nanoparticles for Intracellular Delivery *Selected Abstract 13*

4.45-5.00 **M. Anne Sawheny** “Graphene-based amylase biosensor for infection diagnosis” *Selected Abstract 14*

5.00 Check in at accommodation

6.30 till late Great Hall, Queens University Belfast.  
Dinner and Traditional Irish Ceili

## Friday 11<sup>th</sup> August

9.00-10.00 **British Society of Nanomedicine AGM**

10.00-10.30 **KEYNOTE LECTURE: Adriele Prina-Mello**, Trinity College Dublin  
"Title TBA"

10.30-10.45 **Vincenzo Taresco** "Rapid screening of polymers self-assembling in NPs: from ml to pl of formulations" *Selected Abstract 15*

10.45-11.00 **Medina Guliyeva** "Modeling nanoparticle-biological interactions: the species of serum influences the Au nanoparticle protein corona and cellular interactions" *Selected Abstract 16*

11.00 – 11.30 Coffee

11.30-11.45 **Patricia Monteiro** "Functionalised biodegradable polymer-based nanocarriers for treatment of triple negative breast cancer" *Selected Abstract 17*

11.45-12.00 **Eoghan Mulholland** "Nanofibre delivery of pmiR-31 for the treatment of chronic wounds" *Selected Abstract 18*

12.00-12.15 **James Hobson** "Prodrug nanoparticles for long acting intramuscular administration" *Selected Abstract 19*

12.15-12.30 **Ciarán Maguire** "Benchmarking nanoparticle tracking analysis for biological applications" *Selected Abstract 20*

12.30-2.30 Lunch and Poster Session 2

2.30-2.45 **William McDaid** "Re-purposing cetuximab as a part of a nanoparticle systems directed at cetuximab-resistant tumours" *Selected Abstract 21*

2.45-3.00 **Peter Smyth** "Benzaldehyde functionalized pH responsive block copolymer nanoparticles for EGFR targeted therapy" *Selected Abstract 22*

3.00-3.30 Coffee and poster removal

3.30 Prize giving and conclusion of meeting

Ad hoc pub crawl for those staying in Belfast overnight