

RESEARCH INTERESTS

Solid phase peptide synthesis Biofilms
Medical device infections Antimicrobials
Self-assembling peptides Hydrogels
Nanotechnology Drug delivery

PROFESSIONAL QUALIFICATIONS/ SOCIETIES

MPharm Queen's University Belfast- Member of the Pharmaceutical Society N. Ireland

RESEARCH SUMMARY

A graduate of the School of Pharmacy at Queen's University Belfast in 2012 with a First Class Honours degree (MPHARM).

Following completion of pre-registration training links are maintained with community pharmacy as a registered member of the Pharmaceutical Society of Northern Ireland.

Successful in obtaining a DEL postgraduate studentship grant and commenced PhD in the School of Pharmacy in October 2013.

A member of the Society for Applied Microbiology.

Research is focused on the synthesis and development of ultrashort cationic self-assembling peptides/ peptidomimetics as molecules for targeted drug delivery and antimicrobial biomaterials.

Publications

2015

Eradication of Resistant Biofilm Forming Medical Device Related Pathogens by Ultrashort Self-assembled Peptide Nanomaterials

Laverty, G., McCloskey, A., Gilmore, B., Zhou, J. & Xu, B. 03 Mar 2015

Research output: Contribution to conference › Paper

Published

Self-assembled Fmoc Peptide Hydrogels as Potential Antimicrobials

McCloskey, A., Glass, E., Catterson, P., Gilmore, B. & Laverty, G. 02 Mar 2015

Research output: Contribution to conference › Poster

Published

Self-assembling Ultrashort Cationic Peptides as Dual Antimicrobial and Anti-inflammatory Nanomaterials

McCloskey, A., Gilmore, S., Gilmore, B. & Laverty, G. 02 Mar 2015

Research output: Contribution to conference › Poster

Eradication of Resistant Biofilm Forming Medical Device Related Pathogens by Ultrashort Self-assembled Peptide Nanomaterials

Investigation of pharmacists' attitudes towards how their degree developed the skills required to challenge a prescriber's decision

McCloskey, A., Brown, J. 27 Jan 2015

Research output: Contribution to a conference > Paper

2014

Evolution of Antimicrobial Peptides to Self-Assembled Peptides for Biomaterial Applications

McCloskey, A. P., Gilmore, B. F. & Lavery, G. Dec 2014 In : Pathogens. 3, 4, p. 791-821

Research output: Contribution to journal > Article

Ultrashort Cationic Self-assembled Peptide Nanomaterials: A Solution to the Biofilm Crisis?

Lavery, G., McCloskey, A., Gilmore, B., Jones, D., Zhou, J. & Xu, B. 08 Sep 2014

Research output: Contribution to conference > Paper

Antibacterial hydrogel could influence development of medical implants

Lavery, G., McCloskey, A., Gilmore, B., Jones, D., Zhou, J. & Xu, B. 06 Sep 2014 In : The Pharmaceutical Journal. 293, 7826

Research output: Contribution to journal > Comment/debate

Ultrashort Cationic Naphthalene-Derived Self-Assembled Peptides as Antimicrobial

Nanomaterials Lavery, G., McCloskey, A. P., Gilmore, B. F., Jones, D. S., Zhou, J. & Xu, B.

07 Aug 2014 In : Biomacromolecules. Research output: Contribution to journal > Article

Ultrashort Cationic Self-assembled Peptides/Peptidomimetic Nanomaterials McCloskey, A.,

Gilmore, B. & Lavery, G. 02 May 2014 Research output: Contribution to conference > Other

Ultrashort Cationic Self-assembled Peptides for the Prevention of Medical Device Related

Infection McCloskey, A., Gilmore, B. & Lavery, G. 14 Apr 2014 Research output:

Contribution to conference > Poster

2013

Sortase inhibition – an anti-biofilm strategy in Streptococci Shaw, G., Gilmore, B. &

McCloskey, A. Sep 2013 p. 91 Research output: Contribution to conference > Poster