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Research output

Polymer-Supported Gold Nanoparticle Radiosensitizers with Enhanced Cellular Uptake Efficiency and Increased Cell Death in Human Prostate Cancer Cells

Bennie, L., Belhout, S. A., Quinn, S. J. & Coulter, J. A., 19 Mar 2020, In : ACS Applied Nano Materials.

Exploiting Current Understanding of Hypoxia Mediated Tumour Progression for Nanotherapeutic Development

Feng, J., Byrne, N. M., Al Jamal, W. & Coulter, J. A., 11 Dec 2019, In : Cancers. 11, 12, 25 p., 1989.

Pioneering an Unconscious Bias Educational Activity with Pharmacy Students

Hanna, L-A., Craig, R., Coulter, J., Malcolm, K., Al-Jamal, W., Haughey, S. & Hall, M., 15 Oct 2019. 1 p.

Cell-Penetrating Peptides as a Tool for the Cellular Uptake of a Genetically Modified Nitroreductase for use in Directed Enzyme Prodrug Therapy

Anderson, S. D., Hobbs, R. J., Gwenin, V. V., Ball, P., Bennie, L. A., Coulter, J. A. & Gwenin, C. D., 01 Oct 2019, In : Journal of Functional Biomaterials. 10, 4

DNA vaccination via RALA nanoparticles in a microneedle delivery system induces a potent immune response against the endogenous prostate cancer stem cell antigen

Cole, G., Ali, A. A., McErlean, E., Mulholland, E. J., Short, A., McCrudden, C. M., McCaffrey, J., Robson, T., Kett, V. L., Coulter, J. A., Dunne, N. J., Donnelly, R. F. & McCarthy, H. O., 09 Jul 2019, In : Acta Biomaterialia.

Nuclear Uptake of Gold Nanoparticles Deduced Using Dual-Angle X-Ray Fluorescence Mapping

McCulloch, A., Bennie, L., Coulter, J. A., McCarthy, H. O., Dromey, B., Grimes, D. R., Quinn, P., Villagomez-Bernabe, B. & Currell, F., 01 Jan 2019, In : Particle and Particle Systems Characterization. 1900140.

Enhanced nanoparticle delivery exploiting tumour responsive formulations.

Bennie, L. A., McCarthy, H. & Coulter, J., 21 Nov 2018, In : Cancer Nanotechnology. 9, 10

Towards photon radiotherapy treatment planning with high Z nanoparticle radiosensitisation agents: the Relative Biological Effective Dose (RBED) framework

Brown, J., Hanna, G., Lampe, N., Villagomez-Bernabe, B. A., Nicol, J., Coulter, J. & Currell, F., 09 Nov 2018, In : Cancer Nanotechnology. 9, 9

Radio-resistance of PTEN-deficient prostate tumours is enhanced by treatment-induced chemokine signalling and is associated with biochemical recurrence and development of metastasis.

Armstrong, C., Coulter, J., Ong, C. W., Maxwell, P., Butterworth, K., Oksana, L., Berlinger, S., LaBonte Wilson, M., Walker, S., O'Sullivan, J., Salto-Tellez, M., Jain, S., Mills, I., Illidge, T., Kennedy, R., Prise, K. & Waugh, D., 01 Aug 2018.

Octaarginine-modified gold nanoparticles enhance the radiosensitivity of human colorectal cancer cell line LS180 to megavoltage radiation

Zhang, X., Wang, H., Coulter, J. A. & Yang, R., 19 Jun 2018, In : International Journal of Nanomedicine. 13, p. 3541-3552

Gene Therapy With RALA/iNOS Composite Nanoparticles Significantly Enhances Survival In A Model Of Metastatic Prostate Cancer

McCrudden, C., McBride, J., McCaffrey, J., McErlean, E., Dunne, N., Kett, V., Coulter, J., Robson, T. & McCarthy, H., 01 Jun 2018, In : Cancer Nanotechnology.

Unravelling the cell-type dependent radiosensitising effects of gold through the development of a multifunctional gold nanoparticle

Nicol, J. R., Harrison, E., O'Neill, S. M., Dixon, D., McCarthy, H. O. & Coulter, J. A., 01 Feb 2018, In : *Nanomedicine: Nanotechnology, Biology and Medicine*. 14, 2, p. 439-449

Process Algebra with Layers: Multi-scale Integration Modelling Applied to Cancer Therapy

Coulter, J., 17 Oct 2017, *Process Algebra with Layers: Multi-scale Integration Modelling Applied to Cancer Therapy*. Springer, p. 118-133

Using Surface Plasmon Resonance excitation to determine real-time subcellular distributions of gold nanoparticles in live cells

Bennie, L., McCulloch, A., O'Neill, S., Owen, N., Isonov, V., McCarthy, H., Currell, F. & Coulter, J., 05 Sep 2017.

A hierarchical Bayesian approach to calibrating the linear-quadratic model from clonogenic survival assay data

Collis, J., Hill, M. R., Nicol, J. R., Paine, P. J. & Coulter, J. A., Sep 2017, In : *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*. 124, 3, p. 541-546

Erythropoietin drives breast cancer progression by activation of its receptor EPOR

Chan, K. K., Matchett, K. B., Coulter, J. A., Hiu-Fung, Y., McCrudden, C. M., Zhang, S-D., Irwin, G. W., Davidson, M. A., Rüllicke, T., Schober, S., Hengst, L., Jaekel, H., Platt-Higgins, A., Rudland, P. S., Mills, K. I., Maxwell, P., El-Tanani, M. & Lappin, T. R., 18 Mar 2017, In : *Oncotarget*. 8, 24, p. 38251-38263 13 p.

Systemic RALA/iNOS nanoparticles; a potent gene therapy for metastatic breast cancer coupled as a biomarker of treatment

McCrudden, C. M., McBride, J. W., McCaffrey, J., Ali, A. A., Dunne, N. J., Kett, V. L., Coulter, J. A., Robson, T. & McCarthy, H. O., 17 Mar 2017, In : *Molecular Therapy: Nucleic Acids*. 6, p. 249-258 10 p.

Enhanced radio-sensitivity of PTEN-deficient prostate tumours mediated by inhibition of intrinsic and treatment-potentiated CXc-chemokine signaling

Armstrong, C., Coulter, J., Ong, C. W., Maxwell, P., LaBonte Wilson, M., Butterworth, K., Lyubomska, O., Berlinger, S., Gallagher, R., Walker, S., O'Sullivan, J., Mills, I., Salto-Tellez, M., Illidge, T., Bristow, R. G., Kennedy, R., Prise, K. & Waugh, D., 2017.

Multifunctional and robust composite materials comprising gold nanoparticles at a spherical polystyrene particle surface

Belhout, S. A., Kim, J. Y., Hinds, D. T., Owen, N. J., Coulter, J. A. & Quinn, S. J., 28 Dec 2016, In : *Chemical Communications*. 52, 100, p. 14388-14391 4 p.

Preclinical evaluation of Gold-DTDTPA Nanoparticles As Theranostic Agents In Prostate Cancer Radiotherapy

Butterworth, K. T., Nicol, J. R., Ghita, M., Rosa, S., Chaudhary, P., McGarry, C. K., McCarthy, H. O., Jimenez-Sanchez, G., Bazzi, R., Roux, S., Tillement, O., Coulter, J. A. & Prise, K. M., Aug 2016, In : *Nanomedicine*. 11, 16, p. 2035-47 13 p.

A comparison of gold nanoparticle surface co-functionalization approaches using Polyethylene Glycol (PEG) and the effect on stability, non-specific protein adsorption and internalization

Harrison, E., Nicol, J. R., Macias-Montero, M., Burke, G. A., Coulter, J. A., Meenan, B. J. & Dixon, D., 01 May 2016, In : *Materials Science and Engineering C: Materials for Biological Applications*. 62, p. 710-8 9 p.

Prostate cancer cell sensitivity to the cytotoxic properties of NO: an iNOS gene therapy approach.

McCrudden, C., Robson, T., Coulter, J., Kett, V. & McCarthy, H., May 2016.

Gold nanoparticle surface functionalization: mixed monolayer versus hetero bifunctional peg linker

Harrison, E., Coulter, J. A. & Dixon, D., Apr 2016, In : *Nanomedicine*. 11, 7, p. 851-865 15 p.

Transcending epithelial and intracellular biological barriers; a prototype DNA delivery device

McCaffrey, J., McCrudden, C. M., Ali, A. A., Massey, A. S., McBride, J. W., McCrudden, M. T. C., Vicente-Perez, E. M., Coulter, J. A., Robson, T., Donnelly, R. F. & McCarthy, H. O., 28 Mar 2016, In : *Journal of controlled release : official*

journal of the Controlled Release Society. 226, p. 238-47 10 p.

Development of TMTP-1 targeted designer biopolymers for gene delivery to prostate cancer

McBride, J. W., Massey, A. S., McCaffrey, J., McCrudden, C. M., Coulter, J. A., Dunne, N. J., Robson, T. & McCarthy, H. O., 16 Mar 2016, In : *International Journal of Pharmaceutics*. 500, 1-2, p. 144-153 10 p.

Imaging and radiation effects of gold nanoparticles in tumour cells

McQuaid, H. N., Muir, M. F., Taggart, L. E., McMahon, S. J., Coulter, J. A., Hyland, W. B., Jain, S., Butterworth, K. T., Schettino, G., Prise, K. M., Hirst, D., Botchway, S. W. & Currell, F., 20 Jan 2016, In : *Scientific Reports*. 6, 10 p., 19442.

CD74: a potential mediator of resistance in the treatment of Glioblastoma

Magorrian, S., Coulter, J., Flannery, T., Scott, C. & Burden, R., 01 Dec 2015, p. A40 . 1 p.

Imaging intracellular and systemic in vivo gold nanoparticles to enhance radiotherapy

Botchway, S. W., Coulter, J. A. & Currell, F. J., 01 Oct 2015, In : *British Journal of Radiology*. 88, 1054, 13 p., 20150170.

Viral mimetic systems: the next generation nonviral vectors

McCarthy, H. O. & Coulter, J. A., Oct 2015, *Advances and Challenges in the Delivery of Nucleic Acid Therapeutics (Volume 1)*. Merkel, O. & Amiji, M. (eds.). Future Science Group, p. 70-81 10 p.

Prostate cancer radiotherapy: potential applications of metal nanoparticles for imaging and therapy

Coulter, J. A., Butterworth, K. T. & Jain, S., 01 Jul 2015, In : *British Journal of Radiology*. 88, 1054, 9 p., 20150256.

CD44 increases the efficiency of distant metastasis of breast cancer

McFarlane, S., Coulter, J. A., Tibbits, P., O'Grady, A., McFarlane, C., Montgomery, N., Hill, A., McCarthy, H. O., Young, L. S., Kay, E. W., Isacke, C. M. & Waugh, D. J. J., May 2015, In : *Oncotarget*. 6, 13, p. 11465-11476

Peptide-based Cationic Nanoparticles for the Targeted Gene Therapy of Metastatic Breast Cancer

McCrudden, C., McBride, J., Coulter, J., Robson, T., Kett, V. & McCarthy, H., Apr 2015.

Gold nanoparticle surface functionalization: a necessary requirement in the development of novel nanotherapeutics

Nicol, J. R., Dixon, D. & Coulter, J. A., 2015, In : *Nanomedicine*. 10, 8, p. 1315-1326 12 p.

Nitric oxide synthase gene therapy: A potent therapeutic in metastatic breast cancer

McCrudden, C., McBride, J., Coulter, J., Kett, V., Robson, T. & McCarthy, H., Jun 2014, p. 111. 1 p.

Gold nanoparticle cellular uptake, toxicity and radiosensitisation in hypoxic conditions

Jain, S., Coulter, J. A., Butterworth, K. T., Hounsell, A. R., McMahon, S. J., Hyland, W. B., Muir, M. F., Dickson, G. R., Prise, K. M., Currell, F. J., Hirst, D. G. & O'Sullivan, J. M., Feb 2014, In : *Radiotherapy and Oncology*. 110, 2, p. 342-347 6 p.

Abstract C215: Sensitivity of PTEN-deficient prostate carcinoma xenografts to ionizing radiation through inhibition of treatment-induced CXCL8 signaling

Armstrong, C. W. D., Coulter, J. A., Walker, S., Kennedy, R. D., Prise, K. M., O'Sullivan, J. M. & Waugh, D. J. J., Nov 2013, *Proceedings of the AACR-NCI-EORTC International Conference*. Vol. 12.

Radiosensitising Nanoparticles as Novel Cancer Therapeutics — Pipe Dream or Realistic Prospect?

Coulter, J. A., Hyland, W. B., Nicol, J. & Currell, F. J., Oct 2013, In : *Clinical Oncology*. 25, 10, p. 593-603 11 p.

Potentiation of Inflammatory CXCL8 Signalling Sustains Cell Survival in PTEN-deficient Prostate Carcinoma

Maxwell, P. J., Coulter, J., Walker, S. M., McKechnie, M., Neisen, J., McCabe, N., Kennedy, R. D., Salto-Tellez, M., Albanese, C. & Waugh, D. J. J., Aug 2013, In : *European Urology*. 64, 2, p. 177-188 12 p.

The contribution of N₂O₃ to the cytotoxicity of the nitric oxide donor DETA/NO: an emerging role for S-nitrosylation

Ali, A. A., Coulter, J. A., Ogle, C. H., Migaud, M. M., Hirst, D. G., Robson, T. & McCarthy, H. O., 01 Apr 2013, In : Bioscience Reports. 33, 2, p. 333-349 23 p.

Cell type-dependent uptake, localization, and cytotoxicity of 1.9 nm gold nanoparticles

Coulter, J. A., Jain, S., Butterworth, K. T., Taggart, L. E., Dickson, G. R., McMahon, S. J., Hyland, W. B., Muir, M. F., Trainor, C., Hounsell, A. R., O'Sullivan, J. M., Schettino, G., Currell, F. J., Hirst, D. G. & Prise, K. M., 2012, In : International Journal of Nanomedicine. 7, null, p. 2673-2685 13 p.

Energy Dependence of Gold Nanoparticle Radiosensitization in Plasmid DNA

McMahon, S., Hyland, W. B., Brun, E., Butterworth, K., Coulter, J., Douki, T., Hirst, D., Jain, S., Kavanagh, A., Krpetic, Z., Mendenhall, M. H., Muir, M. F., Prise, K., Requardt, H., Sanche, L., Schettino, G., Currell, F. & Sicard-Roselli, C., 20 Oct 2011, In : Journal of Physical Chemistry C. 115, 41, p. 20160-20167 8 p.

Nanodosimetric effects of gold nanoparticles in megavoltage radiation therapy

McMahon, S., Hyland, W., Muir, M. F., Coulter, J., Jain, S., Butterworth, K., Schettino, G., Dickson, G., Hounsell, A., O'Sullivan, J., Prise, K., Hirst, D. & Currell, F., Sep 2011, In : Radiotherapy and Oncology. 100, 3, p. 412-416 5 p.

Biological consequences of nanoscale energy deposition near irradiated heavy atom nanoparticles

McMahon, S., Hyland, W., Muir, M., Coulter, J., Jain, S., Butterworth, K., Schettino, G., Dickson, G., Hounsell, A., O'Sullivan, J., Prise, K., Hirst, D. & Currell, F., 20 Jun 2011, In : Nature Scientific Reports. 1, 18.

Erratum: Biological consequences of nanoscale energy deposition near irradiated heavy atom nanoparticles (Scientific Reports (2011) 1 (018) DOI:10.1038/srep00018)

McMahon, S. J., Hyland, W. B., Muir, M. F., Coulter, J. A., Jain, S., Butterworth, K. T., Schettino, G., Dickson, G. R., Hounsell, A. R., O'Sullivan, J. M., Prise, K. M., Hirst, D. G. & Currell, F. J., 20 Jun 2011, In : Scientific Reports. 3, 1725.

Nitric Oxide Methods and Protocols

McCarthy, H. (ed.) & Coulter, J. (ed.), Dec 2010, Humana Press. 226 p.

Transcriptional regulation of inducible nitric oxide synthase gene therapy: targeting early stage and advanced prostate cancer.

Coulter, J., Page, N., Worthington, J., Robson, T., Hirst, D. & McCarthy, H., Sep 2010, In : The Journal of Gene Medicine. 12(9), 9, p. 755-765 11 p.

Evaluation of cytotoxicity and radiation enhancement using 1.9 nm gold particles: potential application for cancer therapy.

Butterworth, K., Jain, S., Coulter, J., Folker, J., McMahon, S., Schettino, G., Prise, K., Currell, F. & Hirst, D., Jun 2010, In : Nanotechnology. 21(29), 29, p. 295101-295110 10 p., 295101.

Nitric oxide synthase gene therapy enhances the toxicity of cisplatin in cancer cells.

Adams, C., McCarthy, H., Coulter, J., Worthington, J., Murphy, C., Robson, T. & Hirst, D., Feb 2009, In : The Journal of Gene Medicine. 11(2), 2, p. 160-168 9 p.

Nitric oxide-A novel therapeutic for cancer.

Coulter, J., McCarthy, H., Xiang, J., Roedl, W., Wagner, E., Robson, T. & Hirst, D., Sep 2008, In : Nitric oxide : biology and chemistry / official journal of the Nitric Oxide Society. 19(2), 2, p. 192-198 7 p.

Gene therapy via inducible nitric oxide synthase: a tool for the treatment of a diverse range of pathological conditions.

McCarthy, H., Coulter, J., Robson, T. & Hirst, D., Aug 2008, In : Journal of Pharmacy and Pharmacology. 60(8), 8, p. 999-1017 19 p.

Development of a novel PSMA-driven gene therapy strategy for the treatment of prostate cancer

Page, N. L., Coulter, J., Robson, T., McCarthy, H. O. & Hirst, D., Apr 2008, In : Human Gene Therapy. 19, p. 422-422 1 p.

hOC/iNOS - A novel gene therapy approach for the treatment of advanced hormone refractory prostate cancer
McCarthy, H., Coulter, J., Page, N., Robson, T. & Hirst, D., Apr 2008, p. 407-407. 1 p.

The radiation-inducible pE9 promoter driving inducible nitric oxide synthase radiosensitizes hypoxic tumour cells to radiation

Coulter, JA., McCarthy, HO., Worthington, J., Robson, T., Scott, S. & Hirst, DG., Apr 2008, In : Gene Therapy. 15, 7, p. 495-503 9 p.

Inductible nitric oxide synthase gene therapy for cancer

Hirst, D., Robson, T., Flitney, E., Worthington, J., McCarthy, H., Coulter, J., Xianl, J., Wagner, E. & Page, N., Nov 2007, p. S14-S14. 1 p.

Human Osteocalcin: a strong promoter for nitric oxide synthase gene therapy, with specificity for hormone refractory prostate cancer.

McCarthy, H., Coulter, J., Worthington, J., Robson, T. & Hirst, D., May 2007, In : The Journal of Gene Medicine. 9(6), 6, p. 511-520 10 p.

Enhancement of the anti-cancer potential of iNOS gene therapy under the control of a radiation-responsive synthetic CARG promoter

McCarthy, H., Coulter, J., Scott, S., Robson, T. & Hirst, D., Apr 2007, p. 408-408. 1 p.

Projects

R1007PMY: Anti-inflammatory radiosensitising gold nanoparticles for the treatment of prostate cancer

Coulter, J., Butterworth, K., Jain, S. & McCarthy, H.

25/01/2019 → ...

R1997PMY: GMP manufactured radiosensitising gold nanoparticles

Coulter, J.

14/12/2018 → ...

R1626PMY: Improving Patient Outcome by Integrating the Generic with the Personal

Coulter, J.

08/04/2016 → 31/03/2017

R1786PMY: Nanoengineered microneedle arrays for enhanced plasmonic photothermal therapy of basal cell carcinoma

Donnelly, R., Bell, S., Coulter, J., Mangwandi, C. & McCarthy, H.

03/07/2017 → ...

Awards

Activities

Association for Radiation Research (External organisation)

Jonathan Coulter (Chair)

01 Jul 2018 → 30 Jun 2020

Association for Radiation Research 2018 Annual Meeting

Jonathan Coulter (Conference committee co-chair)

25 Jun 2018 → 27 Jun 2018

Aoife Carr

Jonathan Coulter (Host)

01 Feb 2018 → 30 Apr 2018

Marios Sotiropoulos

Jonathan Coulter (Host)

01 Feb 2018 → 30 Apr 2018

School of Pharmacy - Work Experience Days

Jonathan Coulter (Organiser), & Daniel Corbett (Organiser)

Jan 2018 → Feb 2018

International journal of molecular sciences (Journal)

Jonathan Coulter (Peer reviewer)

Dec 2017 → ...

China Medical University – Queen's University Belfast Joint College

Jonathan Coulter (Visiting lecturer)

04 Nov 2017 → 11 Nov 2017

STFC User Meeting

Lindsey Bennie (Speaker), , Aaron McCulloch (Speaker), , Shannon O'Neill (Participant), , Natalie Owen (Participant), , Helen McCarthy (Participant), , Frederick Currell (Participant), & Jonathan Coulter (Presenter)

05 Sep 2017

Drug Delivery (Journal)

Jonathan Coulter (Peer reviewer)

Sep 2017 → ...

British Society of Nanomedicine

Shannon O'Neill (Speaker), , Tracy Robson (Participant), & Jonathan Coulter (Presenter)

10 Aug 2017 → 11 Aug 2017

British Society of Nanomedicine

Jonathan Coulter (Member of the organising committee), & Christopher Scott (Organiser)

10 Aug 2017 → 11 Aug 2017

British Society of Nanomedicine

Lindsey Bennie (Speaker), , Shannon O'Neill (Participant), , Natalie Owen (Participant), , Aaron McCulloch (Participant), , Helen McCarthy (Participant), & Jonathan Coulter (Presenter)

10 Aug 2017

Inflammatory radiation signalling: a strategy to enhance gold nanoparticle delivery

Jonathan Coulter (Keynote speaker)

17 Jul 2017

COLLOIDS AND SURFACES B-BIOINTERFACES (Journal)

Jonathan Coulter (Peer reviewer)

Jul 2017 → ...

Radiation induced inflammatory signalling as a targeting strategy for locally advanced prostate cancer

Jonathan Coulter (Invited speaker)

30 Jun 2017

Association for Radiation Research - Oxford 2017

Natalie Owen (Presenter), , Emma Harrison (Participant), , Dorian Dixon (Participant), , David Waugh (Participant), & Jonathan Coulter (Presenter)

26 Jun 2017

Neil Kearney

Jonathan Coulter (Host)

01 May 2017 → 30 Sep 2017

All Ireland schools of Pharmacy

Shannon O'Neill (Speaker), , Tracy Robson (Participant), & Jonathan Coulter (Presenter)

24 Apr 2017

All Ireland schools of Pharmacy

Natalie Owen (Speaker), , Emma Harrison (Participant), , Dorian Dixon (Participant), & Jonathan Coulter (Presenter)

24 Apr 2017

Improving the biological relevance of in vitro models using 3D cell culture

Jonathan Coulter (Invited speaker)

10 Jan 2017

British Journal of Radiology (Journal)

Jonathan Coulter (Peer reviewer)

Jan 2017 → ...

School of Pharmacy - Work Experience Programme

Jonathan Coulter (Organiser), & Daniel Corbett (Organiser)

Jan 2017 → Feb 2017

Irish Radiation Research Society Annual Meeting

Shannon O'Neill (Speaker), , Tracy Robson (Participant), & Jonathan Coulter (Presenter)

10 Nov 2016

Irish Radiation Research Society Annual Meeting

Natalie Owen (Speaker), , Dorian Dixon (Participant), , Emma Harrison (Participant), & Jonathan Coulter (Presenter)

10 Nov 2016

Nanomed - International Meeting

James Nicol (Participant), , Emma Harrison (Participant), , Dorian Dixon (Participant), , Helen McCarthy (Participant), & Jonathan Coulter (Speaker)

07 Nov 2016 → 09 Nov 2016

Cancer Translational Research Group

Shannon O'Neill (Presenter), , Tracy Robson (Participant), & Jonathan Coulter (Participant)

28 Oct 2016

Association for Radiation Research (External organisation)

Jonathan Coulter (Vice Chair)

01 Jul 2016 → 30 Jun 2018

Association for Radiation Research

James Nicol (Speaker), , Dorian Dixon (Participant), , Helen McCarthy (Participant), & Jonathan Coulter (Presenter)

27 Jun 2016 → 29 Jul 2016

Northern Ireland Young Scientist

Jonathan Coulter (Participant)

Jun 2016 → ...

Jilin University

Jonathan Coulter (Contributor)
16 May 2016 → 20 May 2016

Carron Shankland

Jonathan Coulter (Host)
12 May 2016

MEDIC consortium meeting

Jonathan Coulter (Recipient), , Carron Shankland (Member), , Frederick Currell (Recipient), , Matthew Hubbard (Recipient), & Karen Polizzi (Recipient)
07 May 2016

Journal of Controlled Release : official journal of the Controlled Release Society (Journal)

Jonathan Coulter (Peer reviewer)
Apr 2016 → ...

All Ireland Schools of Pharmacy Conference 2016

Shannon O'Neill (Presenter), , Tracy Robson (Participant), & Jonathan Coulter (Presenter)
21 Mar 2016

All Ireland Schools of Pharmacy Conference 2016

Natalie Owen (Presenter), , Emma Harrison (Participant), , Dorian Dixon (Participant), & Jonathan Coulter (Presenter)
21 Jan 2016

Cancer Nanotechnology (Journal)

Jonathan Coulter (Guest editor), & Suneil Krishnan (Guest editor)
10 Jan 2016 → ...

School of Pharmacy - Work Experience Programme

Jonathan Coulter (Organiser)
Jan 2016 → Feb 2016

NanoMed

James Nicol (Participant), , Emma Harrison (Participant), , Dorian Dixon (Participant), , Helen McCarthy (Participant), & Jonathan Coulter (Speaker)
24 Nov 2015

China Medical University – Queen's University Belfast Joint College

Jonathan Coulter (Visiting lecturer)
16 Oct 2015 → 31 Oct 2015

Using gold nanoparticles to improve prostate cancer outcomes

Jonathan Coulter (Speaker)
13 Oct 2015

1st L H Gray Memorial Trust Symposium

James Nicol (Presenter), , Dorian Dixon (Participant), , Helen McCarthy (Participant), & Jonathan Coulter (Presenter)
19 Jun 2015

Northern Ireland Young Scientist

Jonathan Coulter (Contributor)
Jun 2015 → ...

International Congress of Radiation Research

Jonathan Coulter (Presenter)
25 May 2015

Heloise Lefebvre

Jonathan Coulter (Host)
18 May 2015 → 28 Aug 2015

International Journal of Nanomedicine (Journal)

Jonathan Coulter (Peer reviewer)
03 Feb 2015 → ...

Gene Therapy (Journal)

Jonathan Coulter (Peer reviewer)
21 Jan 2015 → ...

PLoS ONE (Journal)

Jonathan Coulter (Peer reviewer)
30 Dec 2014 → ...

Nature Scientific Reports (Journal)

Jonathan Coulter (Peer reviewer)
16 Oct 2014 → ...

Careers fair

Jonathan Coulter (Contributor)
Oct 2014

Irish Radiation Research Society

Jonathan Coulter (Organiser)
06 Sep 2014

Nitric Oxide - Biology and Chemistry (Journal)

Jonathan Coulter (Peer reviewer)
20 Aug 2014 → ...

Translational Nanomedicine

Jonathan Coulter (Presenter)
Aug 2014

Benardo Gabiatti

Jonathan Coulter (Host)
23 Jun 2014 → 19 Dec 2014

Northern Ireland Young Scientist Event

Jonathan Coulter (Contributor)
06 Jun 2014

Association for Radiation Research

Jonathan Coulter (Invited speaker)
Jun 2014

Cancer Nanotechnology (Journal)

Jonathan Coulter (Peer reviewer)

28 May 2014 → ...

Nano-radiation processes (NARAP-II)

Jonathan Coulter (Invited speaker)

02 May 2014

Modulating radiosensitivity in PTEN deficient prostate cancers through the inhibition of treatment induced CXCL8 signalling

Jonathan Coulter (Keynote speaker)

03 Apr 2014

Modulating radiosensitivity in PTEN deficient prostate cancers through the inhibition of treatment induced CXCL8 signalling

Jonathan Coulter (Keynote speaker)

01 Apr 2014

Modulating radiosensitivity in PTEN deficient prostate cancers through the inhibition of treatment induced CXCL8 signalling

Jonathan Coulter (Keynote speaker)

31 Mar 2014

Cancer Nanotechnology (Journal)

Jonathan Coulter (Editorial board member)

10 Mar 2014 → ...

UCAS careers exhibition

Jonathan Coulter (Contributor)

Mar 2014

Promoting QUB MPharm and BSc degree pathways

Jonathan Coulter (Contributor)

Feb 2014

Nanomedicine: Nanotechnology, Biology and Medicine (Journal)

Jonathan Coulter (Peer reviewer)

22 Jan 2014 → ...

Agency for Health Quality and Assessment of Catalonia (External organisation)

Jonathan Coulter (Member)

Oct 2013

ERRS meeting

Jonathan Coulter (Presenter)

01 Sep 2013

British Journal of Cancer (Journal)

Jonathan Coulter (Peer reviewer)

27 Jul 2013 → ...

Gold nanoparticles - novel prostate cancer radiosensitising agents

Jonathan Coulter (Invited speaker)

26 Jul 2013

Northern Ireland Young Scientist Event

Jonathan Coulter (Contributor)
Jun 2013

University of Toronto

Jonathan Coulter (Visiting researcher)
Jun 2013 → Sep 2013

Megane Guinot

Jonathan Coulter (Host)
May 2013 → Sep 2013

International Journal of Cancer (Journal)

Jonathan Coulter (Peer reviewer)
26 Apr 2013

International journal of radiation biology (Journal)

Jonathan Coulter (Peer reviewer)
Apr 2013 → ...

Gold nanoparticles as sensitisers for radiation therapy - UCC

Jonathan Coulter (Invited speaker)
14 Feb 2013

Journal of Pharmacy and Pharmacology (Journal)

Jonathan Coulter (Peer reviewer)
Jan 2013 → ...

Careers Convention

Jonathan Coulter (Participant)
2013

Langmuir (Journal)

Jonathan Coulter (Peer reviewer)
06 Nov 2012 → ...

Cancer Translational Research Group

Jonathan Coulter (Speaker)
Nov 2012

Clinical and Experimental Pharmacology and Physiology (Journal)

Jonathan Coulter (Editorial board member)
Oct 2012

Irish Radiation Research Society (External organisation)

Jonathan Coulter (Member)
Sep 2012