

DR GEMMA-LOUISE DAVIES

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EDUCATION/EMPLOYMENT

- Oct 2013-Present **Global Research Fellow**, Department of Chemistry and Institute of Advanced Study (IAS), University of Warwick, UK.
- Sept 2011-Sept 2013 **Postdoctoral Research Assistant**, Department of Chemistry, University of Oxford, UK.
- Feb 2011-Sept 2011 **Postdoctoral Research Fellow**, School of Chemistry and CRANN Institute, Trinity College Dublin (TCD), Ireland.
- Oct 2006-Jan 2011 **PhD Chemistry**, School of Chemistry and CRANN Institute, Trinity College Dublin, Ireland. *Supervisor*: Prof Yurii Gun'ko.
- Oct 2007-May 2008 **Dip. Statistics**, Department of Statistics, Trinity College Dublin, Ireland.
- Oct 2002-May 2006 **B.A. Hons. Natural Sciences Mod. Chemistry**, School of Chemistry, Trinity College Dublin, Ireland.
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AWARDS AND FUNDING

- Cancer Research UK Innovation Grant.
 - Royal Society Research Grant.
 - Medical Life Sciences (MLS) Research Bursary, University of Warwick.
 - Global Research Fellowship, IAS, University of Warwick.
 - Industry (Henkel Ltd.) supported Postdoctoral Research Fellowship.
 - Trinity College Dublin Postgraduate Research Scholarship Award; 2009-2010.
 - Trinity College Dublin Postgraduate Scholarship Award; 2006-2009.
 - Trinity College Dublin Teaching Fellowship; 2007-2010.
 - “Molecular Imaging 2016” Conference support (15th July 2016) from Royal Society of Chemistry, University of Warwick and Australian Research Council’s Centre of Excellence in Convergent Bio-Nano Science & Technology.
 - “Recent Appointees in Materials Science” Conference support (16-17th Sept 2015) from Materials Chemistry Division, Royal Society of Chemistry and Materials Global Research Priority, University of Warwick, IOP Publishing, Nature Publishing Group and Shimadzu.
 - “Emerging Nanomaterials in Healthcare” Conference support (28th Nov 2014) from Materials Chemistry Division, Nanoscale and Journal of Materials Chemistry B, Royal Society of Chemistry and Materials Global Research Priority, University of Warwick and ATG Scientific.
 - Recipient of 3 Royal Society of Chemistry Travel Bursary, 3 TCD Annual Trust Travel Grant Awards, an International Centre for Materials Research (ICMR) UCSB Travel Bursary and a *Nano Today* Travel Award, to attend International conferences and Summer Schools; between 2008-2014.
 - CRANN Institute Innovation Award 2011, for research innovation towards commercialisation.
 - Royal Dublin Society Science Live Bursary, for Outreach demonstration lectures teaching science to school children; 2008.
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PROFESSIONAL ACTIVITIES AND AFFILIATIONS

- Primary supervisor for 2 PhD students; primary supervisor of 7 MChem project students, British Council IAESTE Summer Project student, 1 (Warwick) University Research Summer Scholarship student, 2 MAS MSc Mini-Project student and 1 MOAC MSc Mini-project student, University of Warwick.
- Member of Materials Chemistry Division Council of Royal Society of Chemistry, Warwick Medical Imaging Network (W-MIN), Royal Society of Chemistry, Materials Research Society, American Chemical Society and British Society for Nanomedicine.
- Lead chair of Molecular Imaging 2016 Conference, University Hospital Coventry and Warwickshire, 15th July 2016; Recent Appointees in Materials Science (RAMS) 2015 Conference, University of Warwick, 16-17th September 2015; and “Emerging Nanomaterials in Healthcare” 2014 Conference, University of Warwick, 28th November 2014.

- 19 publications in peer-reviewed journals (including one in a Nature group journal, one in “top ten most downloaded articles” in Organic and Biomolecular Chemistry and one in a Special Issue on GlycoNanomaterials), 1 patent, 3 book chapters and several publications in submission and preparation.
- 12 invited seminars at Universities in the UK and USA, 2013-2016.
- 6 contributed presentations and 9 posters at International and National conferences and meetings.
- Member of Subject Expert Grant Assessment Panel (SEGAP) for the Royal Society of Chemistry.
- Peer reviewer for the Medical Research Council, Nature Scientific Reports, Chemistry of Materials, Dalton Transactions, Chemical Communications, Nanoscale, RSC Advances, Journal of Physical Chemistry, Materials Chemistry and Physics, Nanomaterials.
- Inorganic Chemistry lecturer, University of Warwick, 2015-present.
- Inorganic Chemistry tutor, University of Warwick, 2013-present.
- Admissions interviewer for Undergraduate Chemistry, Christ Church College, University of Oxford, 2013.

PUBLICATIONS AND PATENTS

H-INDEX: 11; TOTAL CITATIONS: 356 (GOOGLE SCHOLAR)

- 19 L. Ternent, D.A. Mayoh, M.R. Lees, **G.-L. Davies***, J. Mater. Chem. B, **2016**, 4, 3065-3070. Part of *Emerging Investigators Issue*.
 - 18 **G.-L. Davies**, A. Brown, O. Blackburn, M. Tropiano, P.D. Beer, S. Faulkner, J.J. Davis, Chem. Commun., **2015**, 51, 2918-2920.
 - 17 D.J. Phillips, **G.-L. Davies**, M.I. Gibson, J. Mater. Chem. B, **2015**, 3, 270-275.
 - 16 L.E. Wilkins, D.J. Phillips, R.C. Deller, **G.-L. Davies**, M.I. Gibson, Carbohydr. Res., **2015**, 405, 47-54.
 - 15 D.J. Phillips, I. Prokes, **G.-L. Davies**, M.I. Gibson, ACS Macro Lett., **2014**, 3, 1225-1229.
 - 14 F. Bertoli, **G.-L. Davies**, M.P. Monopoli, Y.K. Gun'ko, A. Salvati, K.A. Dawson, Small, **2014**, 10(16), 3307-3315.
 - 13 **G.-L. Davies**, I. Kramberger, J.J. Davis, Chem. Commun., **2013**, 49 (84), 9704-9721.
 - 12 W.-Y. Huang, **G.-L. Davies**, J.J. Davis, Chem. Eur. J., **2013**, 19 (52), 17891-17899.
 - 11 W.-Y. Huang, **G.-L. Davies**, J.J. Davis, Chem. Commun., **2013**, 49, 60-62.
 - 10 J.J. Davis, W.-Y. Huang, **G.-L. Davies**, J. Mater. Chem., **2012**, 22, 22848-22850.
 - 9 S. McCarthy, **G.-L. Davies**, Y.K. Gun'ko, Nature Protoc., **2012**, 7, 1677-1693.
 - 8 **G.-L. Davies***, J.E. McCarthy, A. Rakovich, Y.K. Gun'ko, J. Mater. Chem., **2012**, 22, 7358-7365.
 - 7 B.R. Prasad, G. Mullins, N. Nikolskaya, D. Connolly, T.J. Smith, V.A. Gérard, S.J. Byrne, **G.-L. Davies**, Y.K. Gun'ko, Y. Rochev, J. Nanobiotechnology, **2012**, 10, 4-17.
 - 6 C. Poland, F. Byrne, W.-S. Cho, A. Prina-Mello, F. Murphy, **G.-L. Davies**, J.M.D. Coey, Y. Goukko, R. Duffin, Y. Volkov, K. Donaldson, Nanotoxicology, **2012**, 6 (8), 899-911.
 - 5 O. Gleeson, **G.-L. Davies**, A. Peschiulli, R. Tekoriute, Y.K. Gun'ko, S.J. Connon, Org. Biomol. Chem., **2011**, 9, 7929-7940.
 - 4 **G.-L. Davies***, S.A. Corr, C.J. Meledandri, L. Briode, D.F. Brougham, Y.K. Gun'ko, ChemPhysChem, **2011**, 12 (4), 772-776.
 - 3 A. Prina-Mello, Á.M. Whelan, A. Atzberger, J.E. McCarthy, F. Byrne, **G.-L. Davies**, J.M.D. Coey, Y. Volkov, Y.K. Gun'ko, Small, **2009**, 6 (2), 247-255.
 - 2 **G.-L. Davies**, A. Barry, Y.K. Gun'ko, Chem. Phys. Lett., **2008**, 468 (4-6), 239-244.
 - 1 J. McCarthy, Á.M. Whelan, **G.-L. Davies**, F. Byrne, J. Conroy, Y. Volkov, Y.K. Gun'ko, Proc. SPIE, **2008**, 7030, 703019.
- **G.-L. Davies**, S.J. Byrne, Y.K. Gun'ko, **2013**, WO/2013/030240 A1.

BOOK CHAPTERS

- 3 A. Alonso, J. Bastos-Arrieta, **G.-L. Davies**, Y.K. Gun'ko, N. Vigués, X. Muñoz-Berbel, J. Macanás, J. Mas, M. Muñoz, D. N. Muraviev, **Chapter 8, Pages:** 187-213, **Book:** “Nanocomposites - New Trends and Developments”, **ISBN:** 978-953-51-0762-0, **Publisher:** InTech, **2012**.
- 2 A. Alonso, **G.L. Davies**, A. Satti, J. Macanás Y.K. Gun'ko, M. Muñoz, D.N. Muraviev, **Pages:** 23, **Book:** “Nanocomposites: *In Situ* Synthesis of Polymer-Embedded Nanostructures”, **ISBN:** 978-0-470-10952-6, **Publisher:** Wiley, **2011**.
- 1 A. Alonso, J. Macanás, **G.L. Davies**, Y.K. Gun'ko, M. Muñoz, D.N. Muraviev, **Pages:** 175-200, **Book:** “Nanocomposites”, **ISBN** 978-953-308-55-0, **Publisher:** InTech, **2011**.