

# Curriculum Vitae

## Dr Gregory J. P. Perry

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### Current Appointment

Lecturer in Organic Chemistry, University of Southampton, UK

### Education

- 2008-2012 MChem in Chemistry (1st Class Hons), University of Liverpool, UK  
*with Professor P. Andrew Evans*
- 2011 Industrial Research Placement, Eli Lilly, Windlesham, UK  
*with Dr Jeffery Richardson and Dr Andrew Williams*
- 2012-2016 PhD in Organic Chemistry, University of Manchester, UK  
*with Professor Igor Larrosa*

### Academic Career

- 2017-2018 Postdoctoral Research Fellow, Nagoya University, Japan  
*with Professor Kenichiro Itami*
- 2018-2020 Lecturer (fixed-term), University of Manchester, UK  
*with Professor David J. Procter*
- 2021-2023 JSPS Postdoctoral Research Fellow, Kyoto University, Japan  
*with Professor Hideki Yorimitsu*
- 2023-Present Lecturer in Organic Chemistry, University of Southampton, UK

### Committee Roles

- 2025-Present Invited member of the International Isotope Society (IIS) UK Group
- 2025-Present Elected member of the RSC Organic Chemistry Community

## **Publications List**

- (37) *Carbon isotope exchange and transfer reactions involving CO<sub>2</sub>*  
G. E. Beaver, K. E. Marris, D. J. Ryder-Mahoney, D.-I. Tzaras, R. A. Bragg,  
C. S. Elmore, G. J. P. Perry  
**Org. Chem. Front.** 2026, *Advance Article*  
DOI: <https://doi.org/10.1039/D6QO00133E>
- (36) *Switchable N–H vs. C3–H carboxylation of indoles using dual-function reagents*  
K. E. Marris, J. T. Thorne, D. J. Ryder-Mahoney, R. A. Bragg, C. S. Elmore,  
G. J. P. Perry  
**Chem. Commun.** 2026, *62*, 6101–6105  
DOI: <https://doi.org/10.1039/D6CC00532B>
- (35) *Aryl Halide Carboxylation via Decarboxylative Metal-Halogen Exchange*  
D. J. Ryder-Mahoney, K. Yamazaki, G. J. P. Perry  
**JACS Au** 2026, *6*, 773–778  
DOI: <https://doi.org/10.1021/jacsau.5c01545>
- (34) *A Para-Selective Kolbe–Schmitt Reaction*  
X. Liu, G. J. P. Perry, D. Kong  
**Angew. Chem. Int. Ed.** 2026, *65*, e22503  
DOI: <https://doi.org/10.1002/anie.202522503>
- (33) *Photoredox catalysed reductive cleavage of dibenzothiophene dioxides enabled by a temperature-controlled photoreactor*  
S. Wang, Q. T. Le, Y. Shishido, I. Y. Kokculer, K. Yamazaki, G. J. P. Perry, A. M. Nightingale, H. Yorimitsu  
**Chem. Sci.** 2025, *16*, 23246–23252  
DOI: <https://doi.org/10.1039/D5SC05889A>
- (32) *Carboxylic Acid Salts as Dual-Function Reagents for Carboxylation and Carbon Isotope Labeling*  
S. Wang, I. Larrosa, H. Yorimitsu, G. J. P. Perry  
**Angew. Chem. Int. Ed.** 2023, *62*, e202218371  
DOI: <https://doi.org/10.1002/anie.202218371>
- (31) *Late-stage sulfonic acid/sulfonate formation from sulfonamides via sulfonyl pyrroles*  
T. Ozaki, H. Yorimitsu, G. J. P. Perry  
**Tetrahedron** 2022, *117-118*, 132830  
DOI: <https://doi.org/10.1016/j.tet.2022.132830>
- (30) *Sulfur (IV) in Transition-Metal-Free Cross-Couplings for Biaryl Synthesis*  
G. J. P. Perry, H. Yorimitsu  
**ACS Sus. Chem. Eng.** 2022, *10*, 2569-2586  
DOI: <https://doi.org/10.1021/acssuschemeng.1c08673>

- (29) *Modular synthesis of unsymmetrical [1]benzothieno[3,2-b][1]benzothiophene molecular semiconductors for organic transistors*  
M. Tayu, A. Rahmanudin, G. J. P. Perry, R. U. Khan, D. J. Tate, R. M.-Hernandez, Y. Shen, I. Dierking, Y. Janpatompong, S. Aphichatpanichakul, A. Zamhuri, I. Victoria-Yrezabal, M. L. Turner, D. J. Procter  
**Chem. Sci.** 2022, *13*, 421-429  
DOI: <https://doi.org/10.1039/D1SC05070B>
- (28) *Zincation of Styrylsulfonium Salts*  
K. Yamada, M. B. Kintzel, G. J. P. Perry, H. Saito, H. Yorimitsu  
**Org. Lett.** 2022, *24*, 7446-7449  
DOI: <https://doi.org/10.1021/acs.orglett.2c03013>
- (27) *Sulfonium-aided coupling of aromatic rings via sigmatropic rearrangement*  
G. J. P. Perry, H. Yorimitsu  
**Proc. Jpn. Acad., Ser. B** 2022, *98*, 190-205  
DOI: <https://doi.org/10.2183/pjab.98.012>
- (26) *Identification of stomatal-regulating molecules from de novo arylamine collection through aromatic C–H amination*  
Y. Toda, G. J. P. Perry, S. Inoue, E. Ito, T. Kawakami, M. R. Narouz, K. Takahashi, Y. Aihara, B. Maeda, T. Kinoshita, K. Itami, K. Murakami  
**Sci. Rep.** 2022, *12*, 949  
DOI: <https://doi.org/10.1038/s41598-022-04947-z>
- (25) *Primary Sulfonamide Functionalization via Sulfonyl Pyrroles: Seeing the N–Ts Bond in a Different Light*  
T. Ozaki, H. Yorimitsu, G. J. P. Perry  
**Chem. Eur. J.** 2021, *27*, 15387-15391  
DOI: <https://doi.org/10.1002/chem.202102748>
- (24) *Modular Synthesis of Stereodefined Benzocyclobutene Derivatives via Sequential Cu- and Pd-Catalysis*  
F. J. T. Talbot, S. Zhang, B. Satpathi, G. P. Howell, G. J. P. Perry, G. E. M. Crisenza, D. J. Procter  
**ACS. Catal.** 2021, *11*, 14448-14455  
DOI: <https://doi.org/10.1021/acscatal.1c04496>
- (23) *Enantioselective Copper-Catalyzed Borylative Cyclization for the Synthesis of Quinazolinones*  
Q. Dherbassy, S. Manna, C. Shi, W. Prasitwatcharakorn, G. E. M. Crisenza, G. J. P. Perry, D. J. Procter  
**Angew. Chem. Int. Ed.** 2021, *60*, 14355-14359  
DOI: <https://doi.org/10.1002/anie.202103259>

- (22) *Copper-catalyzed functionalization of enynes*  
Q. Dherbassy, S. Manna, F. J. T. Talbot, W. Prasitwatcharakorn, G. J. P. Perry, D. J. Procter  
**Chem. Sci.** 2020, *11*, 11380-11393  
DOI: <https://doi.org/10.1039/D0SC04012F>
- (21) *Copper-Catalyzed Borylative Couplings with C–N Electrophiles*  
F. J. T. Talbot, Q. Dherbassy, S. Manna, C. Shi, S. Zhang, G. P. Howell, G. J. P. Perry, D. J. Procter  
**Angew. Chem. Int. Ed.** 2020, *59*, 20278-20289  
DOI: <https://doi.org/10.1002/anie.202007251>
- (20) *Radical C–C Bond Formation using Sulfonium Salts and Light*  
A. Peter, G. J. P. Perry, D. J. Procter  
**Adv. Synth. Catal.** 2020, *362*, 2135-2142  
DOI: <https://doi.org/10.1002/adsc.202000220>
- (19) *Trifluoromethyl Sulfoxides: Reagents for Metal-Free C–H Trifluoromethylthiolation*  
D. Wang, C. G. Carlton, M. Tayu, J. J. W. McDouall, G. J. P. Perry, D. J. Procter  
**Angew. Chem. Int. Ed.** 2020, *59*, 15918-15922  
DOI: <https://doi.org/10.1002/anie.202005531>
- (18) *Para-coupling of phenols with C2/C3-substituted benzothiophene S-oxides*  
Z. He, T. Biremond, G. J. P. Perry, D. J. Procter  
**Tetrahedron** 2020, *76*, 131315  
DOI: <https://doi.org/10.1016/j.tet.2020.131315>
- (17) *Copper-Catalyzed Functionalization of 1,3-Dienes: Hydrofunctionalization, Borofunctionalization and Difunctionalization*  
G. J. P. Perry, T. Jia, D. J. Procter  
**ACS. Catal.** 2020, *10*, 1485-1499  
DOI: <https://doi.org/10.1021/acscatal.9b04767>
- (16) *Sulfoxide-mediated oxidative cross-coupling of phenols*  
Z. He, G. J. P. Perry, D. J. Procter  
**Chem. Sci.** 2020, *11*, 2001-2005  
DOI: <https://doi.org/10.1039/C9SC05668H>
- (15) *Enantio- and Diastereoselective Synthesis of Homopropargyl Amines by Copper-Catalyzed Coupling of Imines, 1,3-Enynes and Diboranes*  
S. Manna, Q. Dherbassy, G. J. P. Perry, D. J. Procter  
**Angew. Chem. Int. Ed.** 2020, *59*, 4879-4882  
DOI: <https://doi.org/10.1002/anie.201915191>

- (14) *Metal-free photoredox-catalyzed formal C–H/C–H coupling of arenes enabled by interrupted Pummerer activation*  
M. H. Aukland, M. Šiaučiulis, A. West, G. J. P. Perry, D. J. Procter  
**Nat. Catal.** 2020, 3, 163-169  
DOI: <https://doi.org/10.1038/s41929-019-0415-3>
- (13) *Metal-Free Synthesis of Benzothiophenes by Twofold C–H Functionalization: Direct Access to Materials-Oriented Heteroaromatics*  
J. Yan, A. P. Pulis, G. J. P. Perry, D. J. Procter  
**Angew. Chem. Int. Ed.** 2019, 58, 15675-15679  
DOI: <https://doi.org/10.1002/anie.201908319>
- (12) *Enantioselective and Regioselective Copper-Catalyzed Borocyanation of 1-Aryl-1,3-Butadienes*  
T. Jia, M. J. Smith, A. P. Pulis, G. J. P. Perry, D. J. Procter  
**ACS Catal.** 2019, 9, 6744-6750  
DOI: <https://doi.org/10.1021/acscatal.9b01911>
- (11) *Pummerer chemistry of benzothiophene S-oxides: Metal-free alkylation and arylation of benzothiophenes*  
Z. He, A. P. Pulis, G. J. P. Perry, D. J. Procter  
**Phosphorus Sulfur Silicon Relat. Elem.** 2019, 194, 669-677  
DOI: <https://doi.org/10.1080/10426507.2019.1602626>
- (10) *Decarboxylative Suzuki–Miyaura coupling of (hetero)aromatic carboxylic acids using iodine as the terminal oxidant*  
J. M. Quibell, G. Duan, G. J. P. Perry, I. Larrosa  
**Chem. Commun.** 2019, 55, 6445-6448  
DOI: <https://doi.org/10.1039/C9CC01817D>
- (9) *Transition-Metal-Free Synthesis of C3-Arylated Benzofurans from Benzothiophenes and Phenols*  
K. Yang, A. P. Pulis, G. J. P. Perry, D. J. Procter  
**Org. Lett.** 2018, 20, 7498-7503  
DOI: <https://doi.org/10.1021/acs.orglett.8b03267>
- (8) *Transition-metal-free decarboxylative bromination of aromatic carboxylic acids*  
G. J. P. Perry,<sup>†</sup> J. M. Quibell,<sup>†</sup> D. M. Cannas, I. Larrosa (<sup>†</sup>equal contribution)  
**Chem. Sci.** 2018, 9, 3860-3865  
DOI: <https://doi.org/10.1039/C8SC01016A>
- (7) *The use of carboxylic acids as traceless directing groups for regioselective C–H bond functionalisation*  
M. Font, J. M. Quibell, G. J. P. Perry, I. Larrosa  
**Chem. Commun.** 2017, 53, 5584-5597  
DOI: <https://doi.org/10.1039/C7CC01755C>

- (6) *Transition-Metal-Free Decarboxylative Iodination: New Routes for Decarboxylative Oxidative Cross-Couplings*  
G. J. P. Perry, J. M. Quibell, A. Panigrahi, I. Larrosa  
**J. Am. Chem. Soc.** 2017, **139**, 11527-11536  
DOI: <https://pubs.acs.org/doi/10.1021/jacs.7b05155>
- (5) *Aromatic C–H amination: a radical approach for adding new functions into biology- and materials-oriented aromatics*  
K. Murakami, G. J. P. Perry, K. Itami  
**Org. Biomol. Chem.** 2017, **15**, 6071-6075  
DOI: <https://doi.org/10.1039/C7OB00985B>
- (4) *Recent Progress in Decarboxylative Oxidative Cross-Coupling for Biaryl Synthesis*  
G. J. P. Perry, I. Larrosa  
**Eur. J. Org. Chem.** 2017, **2017**, 3517-3527  
DOI: <https://doi.org/10.1002/ejoc.201700121>
- (3) *Ru-Catalyzed C–H Arylation of Fluoroarenes with Aryl Halides*  
M. Simonetti, G. J. P. Perry, X. C. Cambeiro, F. Juliá-Hernández, J. N. Arokianathar, I. Larrosa  
**J. Am. Chem. Soc.** 2016, **138**, 3596-3606  
DOI: <https://doi.org/10.1021/jacs.6b01615>
- (2) *C–H Functionalisation of Heteroaromatic Compounds via Gold Catalysis*  
N. Ahlsten, X. C. Cambeiro, G. J. P. Perry, I. Larrosa  
in *Au-Catalyzed Synthesis and Functionalization of Heteroarenes (Topics in Heterocyclic Chemistry)*; Springer: 2016; Vol. 46, pp 175-226  
DOI: [https://doi.org/10.1007/7081\\_2015\\_5005](https://doi.org/10.1007/7081_2015_5005)
- (1) *A silver-free system for the direct C–H auration of arenes and heteroarenes from gold chloride complexes*  
N. Ahlsten, G. J. P. Perry, X. C. Cambeiro, T. C. Boorman, I. Larrosa  
**Catal. Sci. Technol.** 2013, **3**, 2892-2897  
DOI: <https://doi.org/10.1039/C3CY00240C>

### **Awards/Grants/Fellowships**

- Oct 2025                    EPSRC New Investigator Award (APP24094)  
Project Lead: Gregory J. P. Perry.
- May 2025                    RSC Research Fund Grant (R24-6800702932)  
Project Lead: Gregory J. P. Perry.
- Mar 2025                    RSC Researcher Collaborations Grant (C24-8914031093)  
Project Lead: Gregory J. P. Perry. Collaborator: Dr Ken Yamazaki

- Mar 2025 Daiwa Foundation Small Grant  
Project Lead: Gregory J. P. Perry. Collaborator: Dr Ken Yamazaki
- Oct 2024 Royal Society Research Grant (RGS\R2\242219)  
Project Lead: Gregory J. P. Perry.
- Sep 2024 EPSRC/AstraZeneca iCASE studentship  
Project Lead: Gregory J. P. Perry. Industry Lead: Dr Ryan Bragg and Dr Charles Elmore
- Apr 2021 JSPS International Research Fellowship (P21039)  
Project Lead: Gregory J. P. Perry. Host: Professor Hideki Yorimitsu

### **Lectures**

- Mar 2026 Key Organics Ltd., Camelford, UK  
Host: ***Dr Joe Carey and Mr Jody Ali***
- Nov 2025 King's College London, London, UK  
Host: ***Dr Adam Sedgwick and Dr Saidul Islam***
- Jun 2025 Ritsumeikan University, Kusatsu, Japan  
Host: ***Professor Toshifumi Dohi***
- Jun 2025 Tohoku University, Sendai, Japan  
Host: ***Dr Masanori Shigeno***
- Mar 2025 Vertex Pharmaceuticals, Abingdon, UK  
Host: ***Dr Timothy Kwok***
- Mar 2024 Waseda University, Tokyo, Japan  
Hosts: ***Professor Jun Yamaguchi and Dr Kei Muto***
- Mar 2024 Okayama University, Okayama, Japan  
Host: ***Dr Ken Yamazaki***
- May 2023 RSC South-West Regional Meeting 2023, Reading University, Reading, UK  
Organisers: ***Dr James Cooper and Dr John McKendrick***
- Mar 2023 Tokyo University of Science, Tokyo, Japan  
Host: ***Professor Suguru Yoshida***
- Mar 2023 RIKEN Center for Sustainable Resource Science, Saitama, Japan  
Host: ***Professor Laurean Ilies***

Feb 2023 Kwansei Gakuin University, Hyogo, Japan  
Host: ***Professor Kei Murakami***

Sep 2017 Ningbo University, Ningbo, China  
Host: ***Dr Junfei Luo***

### **Group Members**

- (6) 2026-Present Siyuan Wang  
PhD Student, University of Southampton, UK
- (5) 2025-Present Dimitrios Ioannis Tzaras  
PDRA, University of Southampton, UK
- (4) 2025-2026 Alexander Wilmshurst  
PDRA, University of Southampton, UK
- (3) 2024-Present Katherine Marris  
PhD Student, University of Southampton, UK
- (2) 2024-2025 Siyuan Wang  
MRes Student, University of Southampton, UK
- (1) 2023-Present Daniel Ryder  
PhD Student, University of Southampton, UK

### **Teaching Experience**

#### *Lecture Courses:*

- 2025-Present Fundamentals of Organic Chemistry (CHEM1049), University of Southampton
- 2024-Present Advanced Practical Chemistry (CHEM3048), University of Southampton
- 2024-Present Retrosynthesis and Aromatics (CHEM2031), University of Southampton
- 2018-2020 Advanced Organic Chemistry (CHEM40411), University of Manchester
- 2018-2020 Environmental and Green Chemistry (CHEM20712), University of Manchester

#### *Teaching Awards:*

- Sep 2020 Fellow of the Higher Education Academy (FHEA).