Curriculum Vitae

Dr Gregory J. P. Perry

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Address: School of Chemistry, University of Southampton, Southampton, SO17 1BJ (UK)

E-mail: gregory.perry@soton.ac.uk

Phone: +44 23 8059 0763

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

Publication List

(32) *Carboxylic Acid Salts as Dual-Function Reagents for Carboxylation and Carbon Isotope Labeling*
S. Wang, I. Larrosa, H. Yorimitsu,* G. J. P. Perry* (*corresponding authors)
Angew. Chem. Int. Ed. 2023, *62*, e202218371
DOI: https://doi.org/10.1002/anie.202218371
Highlighted in ***Org. Process Res. Dev.*** 2024, *28*, 805–815
Highlighted as a Team Profile in ***Angew. Chem. Int. Ed.*** 2023, *62*, e202306072

(31) *Late-stage sulfonic acid/sulfonate formation from sulfonamides via sulfonyl pyrroles*
T. Ozaki, H. Yorimitsu,* G. J. P. Perry* (*corresponding authors)
Tetrahedron 2022, *117-118*, 132830
DOI: https://doi.org/10.1016/j.tet.2022.132830
Highlighted in ***Synfacts*** 2022, 18, 0956

(30) *Sulfur (IV) in Transition-Metal-Free Cross-Couplings for Biaryl Synthesis*
G. J. P. Perry,* H. Yorimitsu* (*corresponding authors)
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
Highlighted in ***Synfacts*** 2022, *18*, 0259

(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* (*corresponding authors)
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
Highlighted in ***Synfacts*** 2022, 18, 0171

(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
Selected as a “Hot Topic” Article

(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* (*corresponding authors)
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
Highlighted in ***Synfacts*** 2020, *16*, 0529

(15) *Enantio- and Diastereoselectvie 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
Highlighted in ***Synform*** 2020, 07, A102–A104

(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
Highlighted in ***Synfacts*** 2020, *16*, 0145

(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
Highlighted in ***Synfacts*** 2019, *15*, 1012

(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
Highlighted in ***Synfacts*** 2019, *15*, 1361

(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,† J. M. Quibell,† D. M. Cannas, I. Larrosa (†equal contribution)
Chem. Sci. 2018, *9*, 3860-3865
DOI: https://doi.org/10.1039/C8SC01016A
Highlighted in ***Scientific Updates***

(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
The most accessed paper Aug-Oct 2017. Amongst the most accessed papers of the year 2017-2018.

(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
Most accessed paper Jun-Jul 2017. Most accessed paper of the year 2017-2018. "EurJOC Readers` Choice 2019" article

(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

(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
Selected as a "Hot" Article

Awards/Grants/Fellowships

2025 EPSRC New Investigator Award (APP24094)
Project Lead: Gregory J. P. Perry.

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 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***

Supervision of Students

(14) 2024-Present Katherine Marris
PhD Student, University of Southampton, UK

(13) 2024-Present Siyuan Wang
MRes Student, University of Southampton, UK

(12) 2024-Present Susie Ward
3rd Year MChem Student, University of Southampton, UK

(11) 2024-Present Jazmine Thorne
3rd Year Natural Sciences MSci Student, University of Southampton, UK

(10) 2023-Present Daniel Ryder,
PhD Student, University of Southampton, UK

(9) 2023-2024 Eleyna Jack
3rd Year MChem Student, University of Southampton, UK
Current: 4th Year MChem Student, University of Southampton, UK

(8) 2023-2024 Charesse Armatey
3rd Year MChem Student, University of Southampton, UK
Current: 4th Year MChem Student, University of Southampton, UK

(7) 2022-2023 Yoshiteru Shishido
PhD Student, Kyoto University, Japan
Current: PhD with Professor Hideki Yorimitsu, Kyoto University, Japan

(6) 2021-2023 Shuo Wang
PhD Student, Kyoto University, Japan
Current: Researcher at JSR Corporation, Yokkaichi, Japan

(5) 2021-2022 Yuki Miyake
BSc Student, Kyoto University, Japan
Current: MChem with Prof. Atsushi Wakamiya, Kyoto University, Japan

(4) 2021 Tomoya Ozaki
BSc Student, Kyoto University, Japan
Current: PhD with Prof. Shih-Yuan Liu, Boston College, USA

(3) 2019-2020 Ciaran Elliott
MChem Student, University of Manchester, UK
Current: Secondary School Teacher, Manchester, UK

(2) 2019 Annabel Basford
Summer Placement Student, University of Manchester, UK
Current: PhD with Dr Rebecca L. Greenaway, Imperial College London, UK

(1) 2018-2019 Souroprobho Chowdhury
MChem Student, University of Manchester, UK
Current: Business Analyst, Lifescience Dynamics Limited.

Teaching Experience

Lecture Courses:

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).