

PROFESSIONAL EXPERIENCE:

- 2019 – 2022 **Royal Society URF and Proleptic Associate Professor:** *University of Bristol*
2019 – 2022 **Royal Society URF and Proleptic Lecturer:** *University of Bristol*
2018 – 2019 **Royal Society University Research Fellow (URF):** *University of Bristol*
2015 – 2017 **Postdoctoral Researcher:** *University of Wisconsin-Madison, USA*, w/ Prof. Shannon Stahl
2014 – 2015 **Alexander von Humboldt Fellow:** *LIKAT, Rostock, Germany* w/ Prof. Matthias Beller
2012 – 2013 **Postdoctoral Research Assistant:** *University of Bristol, UK*

EDUCATION:

- 2008 – 2012 **Ph.D.:** *University of Bristol, UK* w/ Prof Guy Lloyd-Jones FRS (awarded: 13th Nov 2012)
2004 – 2008 **MChem** (Chemistry w/ studies in North America [UCLA]): *University of Manchester*, 1st

FELLOWSHIPS AND AWARDS

- 2022 Brazilian Meeting of Organic Synthesis (BMOS) Early Career Investigator award
2022 JSP Fellow Bürgenstock
2021 Thieme Chemistry Journal Awardee
2021 – 2026 **ERC starter grant**
2018 Metrohm 2018 'Best Young Chemist' Award
2018 – 2023 **Royal Society University Research Fellow**, (8% success rate)
2014 – 2015 **Alexander von Humboldt Fellow** (24 months awarded)
2013 Springer Thesis Prize: *Best Thesis in Bristol Chemistry Department, 2012*
2012 Faculty of Science Thesis Commendation, University of Bristol
2012 Reaxys 2012 PhD prize, *1 of 45 in worldwide competition*
2004 Herbert Lloyd-Tate Scholarship: *top 5% entering University of Manchester*

SELECTED LECTURES:

 Since independence: [>50 research talks](#) including 14 international:

- ◆ **2024** 24th International Symposium of Fluorine Chemistry, *Shanghai, China* (Invited); Early Career Research Symposium, *University of Oxford*; 47th Fluorine conference of Japan, *Tokyo* (Keynote).
- ◆ **2023** New Frontiers in Synthetic Chemistry, *RSC Burlington House, London* (Invited); 244th ECS Meeting, *Gothenburg, Sweden*, (Invited); RSC 27th International Symposium: Synthesis in Organic chemistry, *Oxford* (Invited); International Conference on Hypervalent Iodine Chemistry, *Stockholm, Sweden* (Keynote)
- ◆ **2022** Brazilian Meeting of Organic Synthesis (BMOS) *Tiradentes, Brazil* (Invited); Stereochemistry GRC *Rhode Island, USA* (Invited); Tetrahedron conference *Lisbon, Portugal*; RSC Fluorine meeting, *online* (Plenary)
- ◆ **2021** Current Developments in Electrosynthesis and Electrocatalysis, *LIKAT, Germany, online* (Keynote); ECS Spring meeting, *Chicago, USA Online* (Invited).
- ◆ **2020** RSC Organic Division Southwest Regional Meeting, *University of Oxford*
- ◆ **2019** New Electrochemical Technologies for Sustainable Fuels, *IISER Pune, India*; Automated Synthesis Forum, *University of Strathclyde* (Invited); Dial-a-Molecule Annual Meeting, *University of York*
- ◆ **2018** Modern Developments in Organic Synthesis, *SCI, London* (Invited)

MENTORING:

- ◆ 9 PhD students graduated
- ◆ [Current group](#): 7 PDRAs, 8 PhD students, 2 MSci students

ADMINISTRATION AND PROFESSIONAL SERVICE

- 2025 – 2027 **Early career advisory board member:** *Science of Synthesis (Thieme)*
2023 – present **International advisory board member:** *Organic Chemistry Frontiers (RSC)*
2022 – present **Careers Lead:** *Undergraduates at School of Chemistry*
2019 – present **Proposal reviewer:** *EPSRC, Leverhulme, ERC, DfG, DoE, RSC, ANR, ETH*
2018 – 2022 **Committee Member:** *Equality, Diversity & Inclusion (EDI) committee*
2018 – present **Examiner:** internal and external PhD vivas, ca. 5 per year
2015 – 2020 **Editor:** *Synthetic Reaction Updates*, Royal Society of Chemistry
2012 – present **Journal Reviewer:** *Nature, ACS, Wiley, RSC, Elsevier, Tetrahedron, Beilstein*

ORGANISATION OF SCIENTIFIC MEETINGS

- 2025 Chair and founder: [Bristol Electrosynthesis Meeting](#) (>80 delegates), Bristol.
2024 Chair and founder: [Bristol Electrosynthesis Meeting](#) (>80 delegates), Bristol.
2023 Co-chair: [Electrochem 2023](#) (UK largest electrochemistry conference: >230 delegates, 5 parallel sessions, poster session, welcome reception and conference banquet), Bristol.
2023 Chair and founder: [Bristol Electrosynthesis Meeting](#) (>80 delegates), Bristol.
2022 Chair and founder: [Bristol Electrosynthesis Meeting](#) (>60 delegates), online.
2013 Chair: *Prof Guy Lloyd-Jones: FRS and Chemistry at Bristol celebration*. 45 delegates, national conference, single-day, Bristol, UK

TEACHING ACTIVITIES

- 2022 – present Lecturer: *Mechanisms in Homogeneous Catalysis*, 3rd year undergraduates
2021 – present Lecturer: *Carbonyl Substitution Reactions*, 2nd year undergraduates
2018 – present Lecturer: *Organic Electrochemistry*, 1st yr PhD students
2018 – present Workshop leader: *Physical Organic Chemistry*, 1st yr PhD students
2018 – present Workshop leader: *Organic Chemistry*, 2nd and 3rd year undergraduate students

CAREER BREAKS

- 2020 (5 weeks): Parental leave to care for twin boys when wife went back to work
2019 (2 weeks): Paternity leave after birth of twin boys
2017 (6 weeks): Parental leave to care for daughter when wife went back to work
2016 (3 weeks): Paternity leave after birth of daughter

REPRESENTATIVE PUBLICATIONS: [From >50](#) + 1 patent; >5200 citations, h index = 27.

♦ *A Parametric Reactor Design Tool that Enables Rapid Prototyping and Optimisation of Electrochemical Reactors through 3D Printing*

D. M. Heard, S. W. Deeks, **A. J. J. Lennox***

[ACS Cent. Sci.](#), **2024**, *10*, 2083 (front cover piece)

♦ *Diastereodivergent nucleophile–nucleophile alkene chlorofluorination*

S. Doobary, A. J. D. Lacey, S. G. Sweeting, S. B. Coppock, H. P. Caldora, D.L. Poole, **A. J. J. Lennox***

[Nat. Chem.](#) **2024**, *16*, 1647–1655

♦ *Silver-Catalyzed (Z)-β-Fluoro-vinyl Iodonium Salts from Alkynes: Efficient and Selective Syntheses of Z-Monofluoroalkenes*

A. T. Sedikides, **A. J. J. Lennox***

[J. Am. Chem. Soc.](#) **2024**, *146*, *23*, 15672–15680

♦ *Bromide-Mediated Silane Oxidation: A Practical Counter-Electrode Process for Nonaqueous Deep Reductive Electrosynthesis*

M. E. Avanthay, O. H. Goodrich, D. Tiemessen, C.M. Alder, M. W. George, **A. J. J. Lennox***

[JACS Au](#), **2024**, *4*, *6*, 2220–2227

♦ *Alkene 1,3-Difluorination via Transient Oxonium Intermediates*

A. C. Dean, E. H. Randle, A. J. D. Lacey, G.A. Marczak Giorio, S. Doobary, B. D. Cons, **A. J. J. Lennox***

[Angew. Chem. Int. Ed.](#) **2024**, e202404666

♦ *Open-ESyn: A 3D-Printed Toolkit for Expanded ElectraSyn Functionality and Reproducibility for Electrosynthesis*

A. Choi, D. M. Heard, C. S. Haydon, **A. J. J. Lennox***

[ChemElectroChem](#), **2024**, e202400454

♦ *Pulsed electrolysis: enhancing primary benzylic C(sp³)-H nucleophilic fluorination*

A. P. Atkins, A. K. Chaturvedi, J. A. Tate, **A. J. J. Lennox***

[Org. Chem. Front.](#), **2024**, *11*, 802 - 808

♦ *A Stoichiometric Haloform Coupling for Ester Synthesis with Secondary Alcohols*

B. C. Rowett, S. G. Sweeting, D. Heard, **A. J. J. Lennox***

[Angew. Chem. Int. Ed.](#) **2024**, *63*, e2024005

- ♦ *Electrochemical synthesis of biaryls by reductive extrusion from N,N'-diarylureas*
E. Stammers, C. D. Parsons, J. Clayden, **A. J. J. Lennox***
[Nat. Commun. 2023, 14, 4561](#)
- ♦ *Electronically Ambivalent Hydrodefluorination of Aryl-CF₃ groups enabled by Electrochemical Deep-Reduction*
J. R. Box, M. E. Avanthay, D. L. Poole, **A. J. J. Lennox***
[Angew. Chem. Int. Ed. 2023, 62, e202218195](#)
- ♦ *Electrochemical Benzylic C(sp³)-H Acyloxylation*
A. P. Atkins, A. C. Rowett, D. M. Heard, J. A. Tate, **A. J. J. Lennox***
[Org. Lett. 2022, 24, 5105–5108](#)
- ♦ *Direct Electrochemical Hydrodefluorination of Trifluoromethylketones Enabled by Non-Protic Conditions*
J. R. Box, A. P. Atkins and **A. J. J. Lennox***
[Chem. Sci. 2021, 12, 10252-10258](#)
- ♦ *Daisy-Chaining Photo- and Thermal Chemistry: Multistep Continuous Flow Synthesis of Visible-Light-Mediated Photochemistry with a High-Temperature Cascade Reaction*
L. D. Elliot, K.I. Booker-Milburn and **A. J. J. Lennox***
[Org. Process. Res. Dev. 2021, 25, 1943](#)
- ♦ *3D Printed Reactionware for Synthetic Electrochemical Reactions with Hydrogen Fluoride Reagents*
D. M. Heard, S. Doobary and **A. J. J. Lennox***
[ChemElectroChem. 2021, 8, 2070-2074](#)
- ♦ *Electrochemical Vicinal Difluorination of Alkenes: Scalable and Amenable to Electron-rich Substrates*
S. Doobary, A. Sedikides, H. Caldora, D. Poole, **A. J. J. Lennox***
[Angew. Chem. Int. Ed. 2020, 59, 1155](#)

Review articles

- ♦ *Au(I)-, Au(II)-, Au(III)-fluoride Complexes: Synthesis and Applications in Organic Transformations*
A. T. Sedikides, R. C. Walters, A. C. Dean, A. J. J. Lennox*
[Angew. Chem. Int. Ed. 2025, e202424656](#)
- ♦ *Electrochemical synthesis goes wireless*
Thomas M. O'Brien & Alastair J. J. Lennox*
[Nature, 2025, 637, 277-278](#)
- ♦ *200 Years of The Haloform Reaction: Methods and Applications*
A. C. Rowett, D. M. Heard, P. Koria, A. C. Dean, S. G. Sweeting, **A. J. J. Lennox***
[Chem. Eur. J. 2024, e202403045](#)
- ♦ *Benzylic C(sp³)-H fluorination*
A. P. Atkins, A. C. Dean, **A. J. J. Lennox***
[Beilstein J. Org. Chem. 2024, 20, 1527–1547.](#)
- ♦ *The “Ex-cell” Approach to Organic Electrosynthesis*
S. B. Coppock, **A. J. J. Lennox***
[Curr. Opin. Electrochem., 2022, 35, 101069](#)
- ♦ *Electrode Materials in Modern Organic Electrochemistry*
D. M. Heard, **A. J. J. Lennox***
[Angew. Chem. Int. Ed. 2020, 59, 43, 18866-18884](#)
- ♦ *Minimal Manual Input*
D. M. Heard, **A. J. J. Lennox***
[Nature Chemistry, 2020, 12, 113-114](#)
- ♦ *Meisenheimer Complexes in S_NAr Reactions: Intermediates or Transition States?*
A. J. J. Lennox*
[Angew. Chem. Int. Ed., 2018, 57, 14686–14688](#)