

Dr Gonçalo J. L. Bernardes – Royal Society University Research Fellow

Department of Chemistry, University of Cambridge **since June 2013**

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EDUCATION

- 09/2004-09/2008 **D.Phil. in Chemical Biology**, *University of Oxford*, Oxford, UK
Prof Benjamin G. Davis, FRS
Thesis Committee: Profs Carolyn Bertozzi (Stanford, CA) and Rob Field (Norwich, UK)
- 09/1999-07/2004 **M.Sci.**, *University of Lisbon*, Faculty of Sciences, Lisbon, Portugal

CURRENT POSITIONS

- 06/2013-present **Group Leader - Royal Society University Research Fellow**
Department of Chemistry, University of Cambridge, UK
- 06/2013-present **Director of Chemical Biology and Pharmaceutical Biotechnology Unit**
Instituto de Medicina Molecular, Faculdade de Medicina, Lisbon, Portugal

PREVIOUS POSITIONS

- 09/2010-05/2013 **EMBO Fellow** in Cancer Research, ETH Zürich, Switzerland; Mentor: Prof Dario Neri
- 10/2009-08/2010 **Group Leader** at Alfama Lda. (Boston, US and Lisbon, Portugal)
- 02/2009-09/2009 **Marie-Curie Fellow** in Carbohydrate Chemistry and Chemical Biology
Max-Planck-Institute, Berlin, Germany; Mentor: Prof Peter Seeberger

TEACHING & EXAMINER ACTIVITIES

- 2014-present Lecturer - *Chemical Biology & Drug Discovery* - Undergraduate Course - Univ Cambridge
- 2014-present Part III course Internal Examiner, Univ Cambridge
- 2013-present Lecturer - *Nucleic Acids* - Undergraduate Course - Univ Cambridge

SELECTED AWARDS, PRIZES & FELLOWSHIPS

- 2016 Harrison-Meldola Memorial Prize – Royal Society of Chemistry
- 2016 Chem Soc Rev Emerging Investigator Lectureship 2016
- 2016 International Award of the Belgian Society of Pharmaceutical Sciences (BSPS) 2016
- 2015 Royal Society of Chemistry Emerging Technologies Competition 2015–Health Care–2nd Prize
- 2014 European Prize of the RSEQ Chemical Biology Division; See *Angew Chem Int Ed* **2015**, *54*, 12546
- 2014 European Young Chemist Award (EYCA2014)–Silver Medal; See *Chem Eur J* **2015**, *20*, 16405
- 2013 EFMC Prize for a Young Medicinal Chemist in Academia; See *Angew Chem Int Ed* **2013**, *52*, 7349
- 2013 Silver Medal–Portuguese Ministry of Health (MH) of Portugal for relevant services to Public Health and Medicine

GRANTS & FELLOWSHIPS as PI (total research income attracted: 6.03 million € including salary)

- University Research Fellowship, Royal Society – includes salary (£621,999) 2013-2018
- European Research Council Starting Grant 2015 (€ 1,500,000) 2016-2021
- Marie Curie ITN – ProteinConjugates – Grant Coordinator (€2,542,765) 2015-2018

REVIEWER

J Am Chem Soc; *Angew Chem* (Outstanding Reviewer–Top 5%); *Chem Sci*; *Chem Rev*; *Chem Soc Rev*; *Chem Commun*; *Org Biomol Chem*; *Nat Comms*; *Nat Chem*; *Nature*.

COMMISSIONS OF TRUST

European Commission (Marie Skłodowska-Curie Actions and FET-OPEN) within H2020 (2014–present); EPSRC Peer Review College (2014–present); BBSRC; The Wellcome Trust UK; FAPESP, Brazil.

SELECTED PUBLICATIONS from a total of 65 (includes *Angew Chem*(14x); *Chem Commun* (9x); *Chem Sci* (6x); *Chem Rev*; *Chem Soc Rev* (3x); *J Am Chem Soc* (4x); *Nature Protoc*; *Nature Commun* (3x); *Nature Chem*(2x); *Science*; *Org Lett*; others) – Total >2500 citations – H-index = 28.

INDEPENDENT RESEARCH as PI

(citations)

- 65 Vinyl ether–tetrazine pair for the traceless release of alcohols in cells
Jiménez-Moreno E, *et al.* Bernardes GJL, *Angew. Chem. Int. Ed.* 2017, *56*, 243–247.
- 61 A minimal, unstrained S-allyl handle for pretargeting Diels–Alder bioorthogonal labelling in live cells
Oliveira BL, *et al.* Bernardes GJL *Angew Chem Int Ed* **2016**, *55*, 14683–14687.
- 60 Stoichiometric and Irreversible Cysteine-selective Protein Modification using Carbonylacrylic Reagents
Bernardim B, *et al.* Bernardes GJL *Nature Commun* **2016**, *7*, 13128.
- 58 (-)-Englerin A is a L-type calcium channel modulator
Rodrigues T, *et al.* Bernardes GJL *Angew Chem Int Ed* **2016**, *55*, 11077–11081.
- 52 Site-selective protein-modification chemistry for basic biology and drug development
Krall N, *et al.* Bernardes GJL, *Nature Chem* **2016**, *8*, 103–113.
- 47 Spontaneous CO Release from RuII(CO)₂-Protein Complexes in Aqueous Solution, Cells and Mice
Ferreira MC, *et al.* Bernardes GJL, *Angew Chem Int Ed* **2015**, *54*, 1172–1175.

Selected INVITED LECTURES (>100 presentations)–Award Lectures: ChemSocRev Emerging Investigator Lectureship; RSC Harrison-Meldola Memorial Prize; GSK Emerging Academic Investigators; XXXV Biannual Congress of the RSEQ; 5th EuCheMS Chemistry Congress; Advances in Synthetic and Medicinal Chemistry; 15th Brazilian Meeting in Organic Synthesis (BMOS).