

Curriculum Vitae

Personal information Christian Spiteri

Work experience

1. Employer: Malta Medicines Authority
 - Start date: 012022
 - End date:
 - Position: Senior Quality Assessor
 - Activities: □ Assessment of information on Quality (drug substance) submitted in Module 3 of a marketing authorization application. □ Provide Scientific Advice to pharmaceutical companies through procedures adopted by the Scientific Advice Working Party (SAWP) at the EMA through the National Competent Authorities. Example of Scientific Advice requested by pharma are related to the suitability of starting materials used for drug substance manufacturing, control strategy planned to minimize impurities, limits set for genotoxic impurities, polymorphism, stability studies etc.
 - Country: Malta
2. Employer: Self_Employed
 - Start date: 042021
 - End date: 122021
 - Position: External Quality Assessor
 - Activities: Trained on EMA and ICH guidelines related to Quality of Drug Substances and control of impurities.
 - Country: Malta
3. Employer: University of Malta
 - Start date: 032017
 - End date: 042021
 - Position: Research Project Manager for Life Sciences and Biomedical
 - Activities: Office: Research Support Services Directorate (RSSD) • Writing, preparing, planning and designing application bids for Horizon2020 (H2020) and National funding Schemes. • Assisting researchers and incoming postdoctoral candidates to write and prepare applications for European, International and National funding schemes. • Ensuring applications meet the funding agency deadline. Each application must be first submitted internally for the University financial, HR, legal, and knowledge transfer offices 'review and ensuring the internal process is finalized by the calls' deadline. • Assisting the Office of the Pro_Rector of Research and Knowledge Transfer in negotiating funds from the government and in preparing applications impacting the entire research community at university. • Establishing new networks and collaborations. • Attending strategic meetings related to funding. • Liaising with finance, legal, data protection, communication, knowledge transfer and human resources departments. • Liaising with local national funding agency and contact points for the dissemination of funding opportunities. • Liaising with external auditors, when required, and providing them with a clear picture on the modus operandi of the funding unit within RSSD.
 - Country: Malta
4. Employer: Institute of Cellular Pharmacology (ICP)
 - Start date: 082015
 - End date: 032017
 - Position: Research and Development Scientist
 - Activities: • Main duty was to isolate and characterize natural products with interesting biological activity extracted from plants. • Working alongside a team of biologists, we design novel products, with special interest in virology, anti_inflammatory, skin hydration, bone calcium fixation, and animal feds
 - Country: Malta
5. Employer: University of Nottingham
 - Start date: 022015
 - End date: 072015
 - Position: EPSRC Research Fellow Chemical Biology
 - Activities: Team of Prof. John E. Moses • Developing method for the synthesis of chemical scaffolds using the click_chemistry doctrine. • Writing grants and proposals. • I was the laboratory manager of the Moses research team (10 people) and in charge of several pharmaceutical related research projects.
 - Country: United Kingdom
6. Employer: Self_employed
 - Start date: 022014
 - End date: 022015
 - Position: Science advisor for Life Sciences
 - Activities: Consult the CEO Dr Mario Vella at Malta Enterprise on matters related to Life Sciences. Malta Enterprise is the country's economic development agency, tasked with attracting new foreign direct investment as well as facilitating the growth of existing operations
 - Country: Malta
7. Employer: Max_Planck Institute of Molecular Physiology
 - Start date: 062012
 - End date: 072013
 - Position: Postdoctoral Researcher
 - Activities: Principle supervisor: Prof. Herbert Waldmann, Director of MPI, Dortmund, Germany • Training in cancer research, chemical biology, drug discovery, and medicinal chemistry. • My role involved designing small molecules, to suppress the oncogenic RAS signaling pathway by interfering with the interaction between K_Ras and PDEδ. • I was also involved in designing other high_throughput screening assays and in the synthesis of a short

- peptide using a peptide synthesizer
- Country: Germany
8. Employer: Ministry for Equality, Research and Innovation
- Start date: 062018
 - End date: 082021
 - Position: Delegate for the Republic of Malta on the EMBC, EMBL and EMBO Councils
 - Activities: Consulting the Minister on all matters related to the EMBC, EMBO and EMBL • The European Molecular Biology Conference (EMBC), founded in 1969, is an inter-governmental organization comprising 30 Member States including most of the European Union and some of the neighboring countries. EMBC finances and manages two organizations: EMBO and EMBL. • European Molecular Biology Laboratory (EMBL) is Europe's flagship laboratory for the life sciences – an intergovernmental organization with more than 80 independent research groups covering the spectrum of molecular biology. • European Molecular Biology Organization (EMBO) is an organization of more than 1800 leading researchers that promotes excellence in the life sciences in Europe and beyond. The main goals of the organization include to support talented researchers at all stages of their careers, stimulate the exchange of scientific information, and help build a research environment where scientists can achieve their best work.
 - Country: Malta

Education and training

1. Subject: University of Nottingham
- Start date: 092008
 - End date: 032012
 - Qualification: Doctor of Philosophy
 - Organisation: Principle supervisor: Prof. John E. Moses, Professor of Organic Chemistry My PhD studies were funded by GlaxoSmithKline (GSK) and the Engineering and Physical Sciences Research Council (EPSRC) in organic synthesis with focus on medicinal chemistry and chemical biology • Dissertation title: "Developing Old And New Reactions For Click Chemistry." My doctoral study was focused on the development of efficient reactions for the construction of important biological active compounds, following the click_chemistry doctrine. • One year of my studies was spent at the R&D of GSK (Stevenage, UK), during which I was exposed to their infrastructure and research facility. • Several publications have emerged from my work that led to several prestigious awards (Refer to Section Additional information).
 - Country: United Kingdom
2. Subject: University of Malta
- Start date: 102004
 - End date: 092008
 - Qualification: Joint Bachelor Degree (Honors) in Biology and Chemistry
 - Organisation: During this joint degree, the general basic fundamentals of chemistry and biology were covered. An overview of elementary calculus, programming languages, and physics were also given. In the final year, I was in charge of laboratory demonstrations for first year undergraduate students Thesis supervisor: Prof. Robert M. Borg, Associate Professor of Photo_Organic Chemistry, University of Malta • My dissertation was in photo_organic chemistry: "Further Studies into the Trapping of Photo_NOCAS Reaction Intermediates: Amines as the Nucleophiles." • The aim of the study was to elucidate the mechanism of a photo_induced electron transfer (PET) reaction photo_NOCAS by trapping a key radical intermediate with acrylonitrile.
 - Country: Malta

Additional information

Publications

International Scientific Peer Reviewed Publications Scientific publications 1. Roe, S., Gunaratnam, M., Spiteri, C., Sharma, P., Alharthy, R. D., Neidle, S. and Moses, J. E. (2015): Synthesis and biological evaluation of hybrid acridine_HSP90 ligand conjugates as telomerase inhibitor. *Org. Biomol. Chem.* 13, 8500_8504. 2. Borreguero, A. M., Carmona, M. S., Sharma, P., Spiteri, C., Martínez_Velencoso, M., Moses, J. E. and Rodríguez, J. F. (2013): A novel 'click_chemistry' approach to flame retardant polyurethanes. *React. Funct. Polym.* 73, 1207_1212 3. Spiteri, C., Moses, J. E. (2012): Continuous Flow Synthesis of Secondary Amides by Tandem Azidation_Amidation of Anilines. *Synlett* 23, 1546_1548. 4. Spiteri, C., Ritson, D. J., Awaad, A., Moses, J. E. (2011): Silver Mediated One_Step Synthesis of Oxazoles from α _haloketones. *J. Saud. Chem. Soc.* 15, 375_378. Dedicated to the memory of the late Professor Hassan Al_Hazmi. 5. Ritson, D. J., Spiteri, C., Moses, J. E. (2011): A Silver Mediated One_Step Synthesis of Oxazoles. *J. Org. Chem.* 76, 3519_3522. Highlighted in *Synfacts*. 6. Spiteri, C., Burnley, J., Moses, J. E. (2011): Catalyst Free Regioselective Hydrosilylation of Arynes. *Synlett* 17, 2533_2536. 7. Spiteri, C., Keeling, S., Moses, J. E. (2010): New synthesis of 1_substituted_1H_indazoles via 1,3_dipolar cycloaddition of in situ generated nitrile imines and benzyne. *Org. Lett.* 12, 3368_3371. Highlighted in *Synfacts*. 8. Moorhouse, A. D., Spiteri, C., Zloh, M., Moses, J. E. (2011): Targeting Glycolysis: A Fragment Based Approach Towards Bifunctional Inhibitors of hLDH. *Chem. Commun.* 47, 230_232. 9. Spiteri, C., Sharma, P., Zhang, F., Macdonald, S. J. F., Keeling, S., Moses, J. E. (2010): An improved synthesis of 1,2_benzisoxazoles: TBAF mediated 1,3_dipolar cycloaddition of nitrile oxides and benzyne. *Chem. Commun.* 46, 1272_1274. Highlighted in *Synfacts*. Scientific Reviews 10. Stanley, P. A., Spiteri, C., Moore, J. C., Barrow, A. S., Sharma, P. and Moses, J. E. (2016): Biomimetic Approaches Towards the Synthesis of Complex Dimeric Natural Products. *Current Pharmaceutical Design*, 22, 1628_1657. 11. Spiteri, C., Moses, J. E. (2010): Copper_Catalyzed Azide_Alkyne Cycloaddition: Regioselective Synthesis of 1,4,5_Trisubstituted 1,2,3_Triazoles. *Angew. Chem. Int. Ed.* 49, 31_Journal Front Covers 12. Smedley, J. C., Barrow, A. S., Spiteri, C., Giel, M. C., Sharma, P. and Moses, J. E. (2017): Sulfur-Fluoride Exchange (SuFEx)_Mediated Synthesis of Sterically Hindered and Electron_Deficient Secondary and Tertiary Amides via Acyl Fluoride Intermediates. *Chemistry A European Journal*, 42, 9990_9995. Front Cover 13. Spiteri, C., Mason, C., Zhang, F., Ritson, D. J., Sharma, P., Keeling, S., Moses, J. E. (2010): An efficient entry to 1,2_benzisoxazoles via 1,3_dipolar cycloaddition of in situ generated nitrile oxides and benzyne. *Org. Biomol. Chem.* 8, 2537_2542. Front Cover – Highlighted in *Synfacts*.

Projects

Memberships

Honors and Awards ERASMUS+ 1. Erasmus+ Staff Training Mobility _ Seinajoki University of Applied Sciences, Finland _ (June 2018). 2. Erasmus+ Staff Training Mobility _ Turku University of Applied Sciences, Finland _ (June 2018). Recognitions from Pharma companies 3. AstraZeneca Medicinal and Process Chemistry Workshop February 2012: AstraZeneca UK Limited is one of the major players in the identification of novel biologically active compounds, and the workshop offered an opportunity to final year PhD students to be exposed to everyday problems faced by medicinal chemists during the process of "drug_discovery". 4. Pfizer and The Royal Society of Chemistry (RSC) Poster Symposium, London, December 2011: The organic division of the RSC with sponsorship from Pfizer Neusentis hosted the Organic Chemistry Poster Symposium. The symposium offered the chance to 30 pre_selected final year organic chemistry students to interact with their peers, leading academics, and industry chemists. 5. Roche Continents – Hoffmann_La Roche August 2011: 100 students from across Europe were selected and invited to Salzburg from 4_10 August 2011 to participate in a wide_ranging program centered around the arts and science. The event also served as a recruiting event for Hoffmann_La Roche. Fellowships and Scholarships 6. Engineering and Physical Sciences Research Council (EPSRC) Research Fellowship at the School of Chemistry, University of Nottingham, UK _ (Feb 2015). 7. Max Planck Post_Doctorate Fellowship at Max_Planck Institute of Molecular Physiology Dortmund, Germany _ (June 2012). 8. GlaxoSmithKline (GSK) and the Engineering and

Physical Sciences Research Council (EPSRC) Doctoral Scholarship (2008_2012). Other Prizes/Awards/Invitations 9. Junior National Organic Symposium Trust 7 Royal Society of Chemistry (RSC) and J_NOST December 2011. I was one of the eight students selected by the RSC to present their Ph.D. work in the UK at the J_NOST conference that took place at IISER Mohali research center, located in Punjab, northern India. 10. Leslie Crombie prize, School of Chemistry, University of Nottingham, UK August 2011: The Leslie Crombie prize is awarded to 3rd years for the best research talk. Scientific Conferences 1. 09th September 2009 _ 2nd Array Chemistry Symposium GlaxoSmithKline – Oral talk 2. 22nd April 2010 _ RSC Bioorganic Symposium University of Nottingham – Poster 3. 01st Sept 2010 _ 3rd Array Chemistry Symposium GlaxoSmithKline – Oral talk 4. 03rd Nov 2010 _ New Horizons in Natural Product Chemistry 2010, University of Nottingham – Poster

Other Relevant Information

Present appointments as an Expert Evaluator Jul 2020 _ present National Research Foundation of Ukraine (NRFU), Ukraine national funding agency • Carrying out remote expert evaluation of applications submitted by experienced researchers to the NRFU funding programmes: o Science for the Safety of Human and Society (SSHS); and o Leading and Young Scientists Research Support (LYSRS). • 3 proposals evaluated under SSHS and 1 proposal under LYSRS. Jan 2020 _ present • Fellowships Programme of “la Caixa” Foundation, Spain and Portugal Assessing remotely the applications of researchers applying for a fellowship for “la Caixa” doctoral fellowships programme. Fellowships are devoted to pursue PhD studies in research centres or universities in Spain or Portugal, under two different frames: o the Incoming frame, aimed at attracting young researchers from any nationality who wish to carry out their PhD in the STEM areas; and o the Retaining frame, aimed at retaining young researchers who wish to carry out their PhD in any discipline. • Independent expert evaluator for the Life Science Panel _ Human Biology, Microbiology, Molecular Biology, Genetics, Cellular Biology, Genomics and Proteomics, Biochemistry and Basic Neuroscience. • 78 proposals evaluated under the incoming and retaining programmes. Past National Governmental Appointments Member of the ENDEAVOUR Scholarship Board at the Ministry for Education and Employment, Malta Jul 2019 _ April 2022 • Evaluating, interviewing and selecting proposals for scholarships submitted under: Science, Technology, Engineering and Mathematics (STEM), with relevance to Malta and the EU's R&I strategy. • I had reviewed over 300 applications under STEM and Health Priority Areas. • The applications were for Master Programmes on offer abroad or locally. • In addition, I was also called to evaluate, interview, and select proposals, submitted under the Tertiary Education Scholarship Scheme (TESS 2020 & 2021), aimed at applicants interested in pursuing a Master or a PhD Programme abroad or locally. Arbiter and Patents Tribunal – Member at the Ministry for the Economy, Investment and Small Business, Malta Mar 2016 _ April 2022 • Consulting the tribunal on scientific matters related to patent disputes.