

Baldo Lucchese

EDUCATION

MA Creative Writing, Royal Holloway University of London, UK, July 2008

PhD Chemistry, The Johns Hopkins University, Baltimore, MD, USA, January 2003

MA Chemistry, The Johns Hopkins University, April 1998

Laurea in Chemistry, University of Palermo, Italy, October 1993

PROFESSIONAL EXPERIENCE

Freelance scientific editor, Alcamo, Italy. March 2015–present

Freelance literary and technical/scientific translator — Italian–English and English–Italian — Alcamo, Italy. December 2014–present

Locum Associate Editor, *Nature Protocols*, Nature Publishing Group, London, UK. August 2012–November 2014

Language consultant and translator at SUDTITLES, an association based in Palermo, Italy, specialising in writing and laying out Italian-language subtitles for foreign language films to be screened at film festivals throughout Italy. February–August 2012

Freelance editor of and Italian–English translator, Alcamo, Italy. February–August 2012

Literary translator from English to Italian of script dialogues and consultant of Italian language and culture for English-language screenwriters, Alcamo, Italy. December 2010–August 2012

Associate Editor, *Nature Reviews Nephrology*, Nature Publishing Group. April 2008–July 2010 — during this period, and for about five months, locum Associate Editor at sister journal *Nature Reviews Gastroenterology and Hepatology*

Scientific consultant (uncredited) for the drafting of the treatment of a documentary on the planet Venus produced by the National Geographic Channel. July 2008

Assistant Editor, *Nature Protocols*, Nature Publishing Group. July 2006–January 2008

Research Associate, Chemistry Department, Yale University, New Haven, CT, USA. 2003–2005

Research Assistant, Chemistry Department, The Johns Hopkins University, Baltimore, MD, USA. 1997–2002

Teaching Assistant, Chemistry Department, The Johns Hopkins University. 1996–1999

Pharmaceutical Production Chemist, *Beltapharm S.r.l.*, Cusano Milanino, Italy. 1996

SCIENTIFIC EDITORIAL AND WRITING EXPERIENCE

As freelance scientific editor, developmentally edited research protocols in chemical biology, synthetic chemistry, chemical modification of biological molecules, and spectroscopy to be published in *Nature Protocols*, a Springer Nature journal for which had worked also as assistant and associate editor (see above)

As assistant and associate editor at *Nature Protocols*, chose, commissioned, and developmentally edited research protocols in chemical biology, synthetic chemistry, chemical modification of biological molecules, spectroscopy, bioinformatics, computational biology, genetics, genomics, epigenetics, biochemistry, microscopy, and molecular biology

As associate editor at *Nature Reviews Nephrology* (and for about five months at *Nature Reviews Gastroenterology and Hepatology*, see above), commissioned and developmentally edited Reviews in nephrology, gastroenterology, and hepatology

As associate editor at *Nature Reviews Nephrology* and at *Nature Reviews Gastroenterology and Hepatology*, commissioned and edited opinion articles, such as Editorials, Practice Points, Viewpoints, News and Views, and Perspectives in nephrology

As associate editor at *Nature Reviews Nephrology* and at *Nature Reviews Gastroenterology and Hepatology*, wrote Research Highlights in nephrology, gastroenterology, and hepatology and an Editorial in nephrology

As associate editor at *Nature Reviews Nephrology*, chose primary research articles in nephrology to feature as Research Highlights and News and Views opinion articles

Throughout tenure as employee of Nature Publishing Group, recruited and liaised with referees to peer-review manuscripts submitted for publication

While a locum associate editor at *Nature Protocols*, attended an international conference in chemical biology, one in genomics, and one in bioinformatics

While a locum associate editor at *Nature Protocols*, trained an incoming assistant editor who had no previous experience working at a journal of the Nature Publishing Group

Wrote in the blog of *Nature Protocols* various posts intended as reports on conferences or as commentaries on scientific advances and their implications

Acted as scientific consultant in the drafting of the treatment of “Earth’s Evil Twin”, a documentary on the planet Venus, which was part of the “Naked Science” series of the National Geographic Channel

EXPERIENCE AS LITERARY AND TECHNICAL TRANSLATOR

Wrote and often ‘synchronised’ English-language subtitles for Italian-language films — usually documentaries

Wrote and often 'synchronised' Italian-language subtitles for English-language films, both fiction works and documentaries, to be screened at film festivals in Italy

Translated from Italian to English travel guides of Sicily, Palermo and Milan

Translated from Italian to English various types of texts describing and promoting film projects to potential funders

Translated academic articles from Italian into English for online publications

Translated from English to Italian script dialogues and acted as consultant of Italian language and culture in the writing of four English-language screenplays partially set in Italy and that included Italian-speaking characters

RESEARCH EXPERIENCE

Bioinorganic Chemistry. Post-doctoral research, February 2003–January 2005, Yale University
Conducted research based also on the use of molecular biology techniques and concepts—DNA cloning, heterologous protein expression in bacteria and yeast—for the study of the iron-protein transferrin

Bioinorganic Chemistry. Ph.D. dissertation research, 1998–2002, The Johns Hopkins University
Designed and synthesized structural and reactive models of the active sites of the multi-copper oxidases and carried out reactivity studies of these copper complexes with molecular oxygen and chlorinated solvents

Inorganic Chemistry. Research project funded by the National Research Council, January–December 1995, University of Palermo
Contributed to the development of pumice-supported metallic catalysts for hydrogenation processes

Inorganic/Organometallic Chemistry. Thesis for the Laurea in Chemistry, June 1992–October 1993, University of Palermo
Synthesized and characterized metal and organometallic complexes as potential anti-tumor agents

Computational Chemistry. Research project as part of a student exchange program, September 1991–April 1992, University College London
Utilized a computational approach to try and predict the effectiveness of known *Phosphodiesterase-III* inhibitors

IT SKILLS

Proficient in the use of Microsoft Word, Outlook, Excel, and Power Point

Proficient in the use of Scopus and PubMed scientific databases

RESEARCH PUBLICATIONS

Observation of a $\text{Cu(II)}_2(\mu\text{-}1,2\text{-peroxo})/\text{Cu(III)}_2(\mu\text{-oxo})_2$ equilibrium and its implications for copper-dioxygen reactivity. Kieber-Emmons MT, Ginsbach JW, Wick PK, Lucas HR, Helton ME, Lucchese B, Suzuki M, Zuberbühler A, Karlin KD, Solomon EI *Angewandte Chemie International Edition* **2014** 53: 4935–4939

On the evolutionary significance and metal binding characteristics of a monolobal transferrin from *Ciona intestinalis*. Tinoco AD, Peterson CW, Lucchese B, Doyle RP and Valentine AM *Proceedings of the National Academy of Sciences* **2008** 105: 3268–3273

Synthesis and characterization of PY2- and TPA-appended diphenylglycoluril receptors and their bis-CuI complexes. Sprakel VSI, Elemans JAAW, Feiters MC, Lucchese B, Karlin KD and Nolte RJM *European Journal of Organic Chemistry* **2006** 10: 2281–2295

Mono-, bi-, and trinuclear Cu^{II} -Cl containing products based on the tris(2-pyridylmethyl)amine chelate derived from copper(I) complex dechlorination reactions of chloroform. Lucchese B, Humphreys KJ, Lee D-H, Incarvito CD, Sommer RD, Rheingold AL and Karlin KD *Inorganic Chemistry* **2004** 43: 5987–5998

Lee D-H, Lucchese B and Karlin KD "Multimetal Oxidases", Chapter 8.17, pp. 437–457, Volume 8, Bio-coordination Chemistry (Editors: Que L; Tolman WB), in *Comprehensive Coordination Chemistry II* (McCleverty JA, Meyer TJ, Editors-in-Chief), Elsevier: Oxford, UK, **2004**

The matching of electrostatic extrema—a useful method in drug design—a study of Phosphodiesterase-III inhibitors. Apaya RP, Lucchese B, Price SL and Vinter JG *Journal of Computer-Aided Molecular Design* **1995** 9: 33–43

LANGUAGES

Fluent in spoken and written English

Fluent in spoken and written Italian

Elementary knowledge of spoken and written French

AWARDS

Anderson Fellowship, 2003

Funding post-doctoral research at the Chemistry Department of Yale University

Fulbright Scholarship, 1996

Awarded for the pursuit of a Ph.D. in Chemistry at The Johns Hopkins University

National Research Council Research Scholarship, 1995

Funding a research project at the department of Inorganic Chemistry of the University of Palermo