

CURRICULUM VITAE

Carolina Villalonga-Barber

PERSONAL DETAILS

Name: Carolina
Surname: Villalonga-Barber
Date of birth: 10/10/1974
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Work Address:
Institute of Organic and
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UNIVERSITY DEGREES

- 2001** DPhil in Organic Chemistry, *University of Oxford*, UK.
Thesis Title: "*Synthetic studies towards the zaragozic acids*".
- 1997** MSc in Chemical Research, Queen Mary & Westfield College, *University of London*, UK.
Thesis Title: "*Asymmetric synthesis of phosphonates derivatives*".
- 1996** BSc in Chemistry, *University of Barcelona*, Spain.
Thesis Title: "*The cleavage of N-sulfonyl groups and synthesis of cyclic N-sulfonylazoles*".

WORK EXPERIENCE

- 1/03/2006 -
to date** **Researcher**, Institute of Organic and Pharmaceutical Chemistry,
National Hellenic Research Foundation, Athens, Greece.
- 1/09/2002-
31/01/2006** **Post-doctoral Fellow**, Institute of Organic and Pharmaceutical
Chemistry, *National Hellenic Research Foundation*, Athens, Greece.
- 1/03/2001-
31/08/2002** **Post-doctoral Fellow**, Imperial College of Science, Medicine &
Technology, *University of London*, UK.
- 1/08/1996-
31/08/1996** **Visiting researcher**, Department of Organic Chemistry, *Glaxo-
Wellcome*, Stevenage, UK.

LANGUAGES

Spanish, Catalan: mother tongue
English: Fluent
Greek : Fluent

LIST OF PUBLICATIONS

a) INTERNATIONAL JOURNALS

1. **'Synthesis and Diels-Alder Reactivity of Chiral 2-(Alk-1-enyl)-1,3,2-diazaphospholidine 2-oxides'** P. B. Wyatt, C. Villalonga-Barber and M. Motevalli, *Tetrahedron Lett.*, **1999**, 40, 149.
2. **'Studies towards a Stereocontrolled Synthesis of the Tricarboxylate Core of the Zaragozaic Acids-Squalestatins by a Cycloaddition-Rearrangement Strategy'** D. M. Hodgson and C. Villalonga-Barber, *Tetrahedron Lett.*, **2000**, 41, 5597.
3. **'Selectivity in the Cycloadditions of Carbonyl Ylides with Glyoxylates: an approach to the Zaragozaic Acids-Squalestatins'** D. M. Hodgson, J. M. Bailey, C. Villalonga-Barber, M. G. B. Drew and T. Harrison, *J. Chem. Soc., Perkin Trans. 1*, **2000**, 3432.
4. **'Selective catalytic carbanionic ethylation of methylphenols: influence of catalyst and substitution patten'** B. R. Steele, C. Villalonga-Barber, M. Micha-Screttas, C. G. Screttas, *Tetrahedron Lett.*, **2006**, 47, 2093.
5. **'New stable, isolable triaylmethyl based dyes absorbing in the near IR area'** C. Villalonga-Barber, B. R. Steele, V. Kovač, M. Micha-Screttas and C. G. Screttas, *J. Organomet. Chem.*, **2006**, 691, 2785.
6. **'Engineered chimeric enzymes as tools for drug discovery: Generating reliable bacterial screens for the detection, discovery, and assessment of estrogen receptor modulators'** G. Skretas, A. Meligova, C. Villalonga-Barber, D. J. Mitsiou, M. N. Alexis, M. Micha-Screttas, B. R. Steele, C. G. Screttas and D. W. Wood, *J. Am. Chem. Soc.*, **2007**, 129, 8443.
7. **'Dendrimers as biopharmaceuticals: Synthesis and properties'** C. Villalonga-Barber, M. Micha-Screttas, B. R. Steele, A. Georgopoulos and C. Demetzos, *Curr. Top. Med Chem.*, **2008**, 8, 1294.
8. **'Microwave assisted solid additive effects in simple dry chlorination reactions with n-chlorosuccinimide'** M. Bucos, C. Villalonga-Barber, M. Micha-Screttas, B. R. Steele, C. G. Constantinos, G. A. Heropoulos, *Tetrahedron*, **2010**, 66, 2061.

B) PATENTS

1. **'New substituted stilbene derivatives with neuroprotecting activity'**, M. Micha-Screttas, C. Villalonga-Barber, B. R. Steele, M. N. Alexis, GR20050100284 (2005).