

Anthony D'ALEO

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Professional Experiences

- Nov 2009- Present** **CINaM-CNRS (Marseille), France**
Researcher CNRS
- March 2016- Dec 2017** **Quantum Metamaterials Research Center (QMMRC)**
Ewha Womans University, Seoul, Korea
Visiting Researcher (Invited)
- 2007-2009** **University of Berkeley and Lawrence Berkeley National Laboratory, USA**
Post-doctoral training under the supervision of Prof. K. N. Raymond

Other experience : Consulting for Lumiphore®

- 2006/2007** **Ecole Normale Supérieure, Lyon, France**
Post-doctoral training under the supervision of Dr. C. Andraud and Dr. O. Maury in the group of Chemistry for Optics
- 2002/2006** **Molecular Photonic Materials, University of Amsterdam, The Netherlands**
Van't Hoff Institute for Molecular Science (HIMS)
PhD thesis, Supervised by Professor L. De Cola (European Project: SUSANA)
- 2002** **Laboratoire de Chimie Organique et Organométallique (LCOO)**
University of Bordeaux I, France
Master (SMPM) training
under the supervision of Prof. F. Fages and Prof. J.-L. Pozzo
- 2001** **Laboratoire de Chimie Organique et Organométallique (LCOO)**
University of Bordeaux I, France
Bachelor training
under the supervision of Prof. F. Fages

Formation

- Sept 2007- Oct 2009** **Post-doctoral training** at University of Berkeley (and Lawrence Berkeley National Laboratory), USA
- 2006-2007** **Post-doctoral training** at the Ecole Normale Supérieure Lyon, France
Lanthanide complexes for Non Linear Optical applications
- 2002-2006** **PhD** at the Van't Hoff institute in Amsterdam, the Netherlands under the supervision of Prof. Luisa De Cola, Speciality: Photophysics.
- 2002** **MSc** at the University of Bordeaux I (major: Chemistry), France.
- 2001** **BSc** at the University of Bordeaux I (major: Chemistry), France.

PUBLICATIONS

67 peer reviewed papers

[1]: A. D'Aléo, D. Gachet, V. Heresanu, M. Giorgi, F. Fages *Chem. Eur. J.* **2012**, 18(40), 12764-12772. *Efficient NIR Light Emission in Solid-State Borondifluoride Complexes of 2'-Hydroxychalcone Derivatives.*

[2]: K. Kamada, T. Namikawa, S. Senatore, C. Matthews, P.-F. Lenne, O. Maury, C. Andraud, M. Ponce-Vargas, B. Le Guennic, D. Jacquemin, P. Agbo, D. D. An, S. S. Gauny, X. Liu, R. J. Abergel, F. Fages, A. D'Aléo *Chem. Eur. J.* **2016**, 22(15), 5219–5232. *Two-photon absorption and brightness optimization of curcuminoid borondifluoride complexes.*

[3]: A. D'Aléo, M. H. Sazzad, D.-H. Kim, EY. Choi, J. W. Wu, G. Canard, F. Fages, J.-C. Ribierre and C. Adachi *Chem. Commun.* **2017**, 53, 7003-7006. *Boron difluoride hemicurcuminoid as an efficient far red to near-infrared emitter: toward OLEDs and laser dyes.*

CHAPTER PUBLICATIONS

[1]: C. P. Martin, M. O. Blunt, E. Vaujoura, A. Fahmi, A. D'Aléo, L. De Cola, F. Vögtle, P. Moriarty in *Studies in Multidisciplinarity: Systems Self-Assembly - Multidisciplinary Snapshots*. 2008, vol. 5, 1-20, Chapter 1: Self-Organised Nanoparticle Assemblies: A Panoply of Patterns.

[2]: A. D'Aléo, A. Del Guerzo, F. Fages in *Analytical Methods in Supramolecular Chemistry*. 2011, 2nd Edition, Chapter 13: Confocal laser scanning microscopy: a versatile spectroscopic tool for the investigation of molecular gels.

[3]: A. D'Aléo, C. Andraud and O. Maury in *Luminescence in lanthanide ion coordination compounds and nanomaterials* 2012, Chapter 7: Two-photon absorption of lanthanide complexes: From fundamental aspects to biphotonic imaging applications.

PATENT

[1]: N. G. Butlin, K. N. Raymond, J. Xu, A. D'Aléo. *Macrocyclic hopo chelators*. **2011 PCT Int. Appl.**, 105pp.

[2] A. D'Aléo, E. Zaborova, F. Fages. *Sondes luminescentes pour le marquage biologique et l'imagerie, et leur procédé de préparation*. 2013 WO 2013041811 A1