



## Géraldine MASSON

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**Author Profile** : *Angew. Chem. Int. Ed.* **2018**, *57*, 12208-12209

*Eur. J. Org. Chem.* **2019**, *30*, 6145-6145

### • ACADEMIC POSITIONS

- 2019 to present **CNRS research director** DR1, Institut de Chimie des Substances Naturelles (ICSN), Gif-sur-Yvette, France
- 2014 to 2019 **CNRS research director** DR2, Institut de Chimie des Substances Naturelles (ICSN), Gif-sur-Yvette, France
- 2010 – 2014 **CNRS researcher** 1<sup>st</sup> class, (CR1), **Group leader**, ICSN
- 2005 – 2010 **CNRS researcher** 2<sup>nd</sup> class, (CR2), **Research Associate** (Prof Zhu's group), ICSN

### • EDUCATION

- 2010 **Habilitation**, *University Paris XI*, Orsay, France
- 2003-2005 **Marie Curie Post-Doctoral Research Fellow** with Prof. H. Hiemstra and Prof. J. van Maarseven, *University of Amsterdam*, Netherlands
- 2000-2003 **PhD thesis** with Dr. S. Py and Prof. Y. Vallée, *Joseph Fourier University Grenoble*, France. Financed by a grant from the French Ministry of Research and Education
- 1999-2000 **Master's degree** with Prof P. Compain and Prof O. Martin, *University of Orléans Paris V, and Paris XI*, France
- 1996-1999 **BSc** (organic chemistry), *University of Orléans*, France

### • FELLOWSHIPS AND AWARDS

- 2020 **Junior Distinguished Member** from the French chemical Society
- 2019 **J.-M. Lehn prize** from the French Organic Chemistry Division
- 2017 **Novacap Prize** of the French Académie des Sciences Award
- 2016 **Liebig Lectureship of the German Chemical Society**
- 2016 **Japan Society for Promotion of Science (JSPS) Fellowship**
- 2016 **ISHC Lecture Award at the 27th European Colloquium on Heterocyclic Chemistry**
- 2015 **ChemComm Emerging Investigators Issue 2015**
- 2013 **CNRS bronze medal**, from CNRS
- 2011 **Diverchim Prize** in Synthetic Chemistry from the French Organic Chemistry Division
- 2011 **ACS Young Investigators Symposium**, ACS meeting, Denver, USA

### • ADVISORY BOARD

- 2019 **"Guest editor"** *ChemPhotoChem* (Wiley for special issue in photoredox catalysis)
- 2019 to present *European Journal of Organic Chemistry* (Wiley)
- 2016 to present *Organic Letters* (ACS)
- 2016 to present *Organic Biomolecular Chemistry* (RSC)

### • EDITORIAL ACTIVITY

- 2019 to present **Deputy Editor** *ACS Organic & Inorganic Au* (ACS<sup>o</sup>)
- 2019 to present **Associate Editor** *The Journal of Organic Chemistry* (ACS)
- 2018 to present **Board of Reviewing Editors**, *Science* (AAAS)
- 2015 to present **Editor-in-Chief** of *ISTE Open Science Journal* : Organocatalysis field
- 2016 to 2019 **Editorial board members** of *Organic Biomolecular Chemistry* (RSC)

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- **RESEARCH FUNDING**

- 2021 to 2024 **Innovative Training Networks. H2020\_MSCA\_ITN\_2020\_PhotoReAct**
- 2014 to 2020 7 grants supported by **CHARMMMAT labex ANR-11-LABX-0039**
- 2011 to 2014 **Diverchim** funding for « Enantioselective Synthesis of aza-heterocycles »
- 2010 to 2013 The French National Research Agency (**ANR**) in the Young Researchers program
- 2009 to 2011 **AstraZeneca** funding for «*Enantioselective multicomponent reactions for synthesis of medicinally relevant heterocycles* »
- 2008 to 2014 The French National Research Agency (**ANR**) “*Development of novel MCRs for rapid synthesis of medicinally interesting compounds*”
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- **INSTITUTE SERVICE**

- 2015 to present **Member of executive committee** of ICSN  
**Head of the Department** of Organic Synthesis and Catalytic Methods at ICSN
- 2015 to 2019 **Member of the scientific committee of PCAS** (SEQENS, Chemical industry)
- 2015 to 2019 **President of SCF-IDF** (French Chemical Society of “Ile de France”)
- 2012 to 2014 **Scientific advisor** of the Department of Organic Synthesis and Catalytic Methods  
**Member of the Faculty Committee** at ICSN  
Elected **Council Member of Laboratory** at ICSN
- 2011 to 2019 **Organizer of the Conference at ICSN**
- 2011 to 2015 Member of the COST Action Organocatalysis CM0905
- 2011 to present Member of Laboratory of Excellence Labex CHARMMMAT
- 2011 – 2012 Nominated Council Member of Laboratory at ICSN
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- **OTHER SERVICE ACTIVITIES**

- **2018** External Member of the Faculty Admissions Board, Université Claude Bernard LYON 1,
  - **2018** Member of the Scientific Committee of Swedish research council
  - **2015** External Member of the Faculty Admissions Board, Université Paris-Est Créteil Val de Marne ,
  - **2013** External Member of the Faculty Admissions Board, Université Paris V (René Descartes)
  - **2012** External Member of the Faculty Admissions Board, Université Paris VI (Université Pierre et Marie Curie).
  - **2011** External Member of the Faculty Admissions Board, Université Paris VI (Université Pierre et Marie Curie).
  - **2010** External Member of the Faculty Admissions Board, Université Paris VI (Université Pierre et Marie Curie).
  - Grant reviewer for ANR (2012 to present)
  - Grant reviewer for FNRS.Belgique (2019 to present)
  - Grant reviewer for IdEX 2019 Université de Strasbourg (2019 to present)
  - Grant reviewer for Swiss National Science Foundation (2018 to present)
  - Grant reviewer for CNRS EMERGENCE (2018 to present)
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- **TEACHING ACTIVITIES**

- 2015 to present 2<sup>nd</sup> level Master’s course at Ecole Polytechnique: *Modern Catalysis*
- 2015 to present 2<sup>nd</sup> level Master’s course University Paris Sud: *Multicomponent reactions*
- 2015 2<sup>nd</sup> level Master’s course ENSCP-Chimie ParisTech: *Brønsted Acid Catalysis*
- 2011 to 2016 Lectures at PhD levels at the universities and industries on the topic of *Multicomponent reactions, Organocatalysis and Photocatalysis*
- 2000 to 2003 Tutorial and practical courses (synthetic organic chemistry and kinetic courses at the BSc and MSc levels) University of Grenoble
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- **ORGANISATION OF SCIENTIFIC MEETINGS**

2019	Co-organizer, <i>Journée des Jeunes Talents de la Chimie en IDF</i> of the French Chemical Society
2018	Co-organizer, <i>Journée des Jeunes Talents de la Chimie en IDF</i> of the French Chemical Society
2017	Co-organizer, <i>Journée des Jeunes Talents de la Chimie en IDF</i> of the French Chemical Society
2015	Co-organizer, <i>14th International Symposium</i> , ICSN, France (Jun 18-19).
2014	Co-organizer, <i>5th French-Czech Chemistry Meeting</i> , ICSN, France (Sept 8-9)

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- **SCIENTIFIC PRODUCTIONS**

**105** Articles *Citation, January, 2020 (articles found: 100):* **h-index: 40** (ISI Web of Knowledge)

**8** Book Chapters

**62** Invited oral presentations in international conferences

**70** Invited oral presentations in institutions and industries

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## PEER-REVIEW JOURNAL ARTICLES

### a) Research Contributions (CNRS position)

[105] « *Enamides and dienamides in phosphoric acid-catalysed enantioselective cycloadditions for the synthesis of chiral amines* » Varlet, T.; Masson, G.\* *Chem. Commun.* **2021**, 8, 288-296.

[104] « *Chiral Phosphoric Acid-Catalyzed Enantioselective Construction of 2,3-Disubstituted Indolines* » Ma, W.-Y.; Gelis, C.; Bouchet, D.; Retailleau, P.; Moreau, X.; Neuville, L.; Masson, G.\* *Org. Lett.* **2021**, 23, 442-448.

[103] « *Electrochemical tandem trifluoromethylation of allylamines/formal (3 + 2)-cycloaddition for the rapid access to CF<sub>3</sub>-containing imidazolines and oxazolidines* » Claraz, A.\*; Dijan, A.; Masson, G.\* *Org. Chem. Front.* **2021**, 8, 288-296.

[102] « *Preparation of Chiral Photosensitive Organocatalysts and Their Application for the Enantioselective Synthesis of 1,2-Diamines* » Lyu, J.; Claraz, A.; Vitale, M. R.; Allain, C.; Masson, G.\* *J. Org. Chem.* **2020**, 85, 12843–12855.

[101] « *La Chimie Organique en France: Une Longue Tradition qui Persiste!* » Masson, G. *J. Org. Chem.* **2020**, 85, 11589–11591..

[100] « *Selective Double C-H Functionalization: a 4-Component Catellani Reaction* » Varlet, T.; Neuville, L.; Masson, G.\* *Chem* **2020**, 6, 1855-1858.

[99] « *Tropylium Assisted Iodine Catalysis For The Synthesis Of Unsymmetrical Triarylmethanes* » Courant, T.; Lombard, M.; Boyarskaya, D. V.; Neuville, L.; Masson, G.\* *Org. Biomol. Chem.* **2020**, 18, 6502-6508.

[98] « *Chemical Photocatalysis - Do It Right!* » Masson, G. ; Koenig, B. ; *Eur. J. Org. Chem.* **2020**, 1191-1192.

[97] « *A straightforward synthesis of a new family of molecules: 2,5,8-trialkoxyheptazines. Application to photoredox catalyzed transformations* » Le, T.; Galmiche, L.; Masson, G.; Allain, C.; Audebert, P.\* *Chem. Commun.* **2020**, 56, 10742-10745.

[96] « *Redox-Divergent Chiral Phosphoric Acid-Catalyzed Enantioselective Formal Quinone Diels-Alder Reactions* » Varlet, T.; Gelis, C.; Retailleau, P.; Bernadat, G.; Neuville, L.; Masson, G.\* *Angew. Chem. Int. Ed.* **2020**, 59, 8491-8496.

[95] « *Electrochemical Intramolecular Oxytrifluoromethylation of N-Tethered Alkenyl Alcohols: Synthesis of Functionalized Morpholines* » Claraz, A.\*; Courant, T.; Masson, G.\* *Org. Lett.* **2020**, 22, 1580-1584.

[94] « *Enantioselective synthesis of complex fused heterocycles via chiral phosphoric-acid catalyzed intramolecular inverse-electron demand aza-Diels-Alder reaction* » Jarrige, L.; Gandon, V.\*; Masson, G.\*

*Chem. Eur. J.* **2020**, *26*, 1406-1413

[93] "*s*-Tetrazine Dyes: a facile generation of photoredox organocatalysts for routine oxidations" Le, T.; Courant, T.; Merad, J.; Allain, C.;\* Audebert, P.; Masson, G.\* *J. Org. Chem.* **2019**, *84*, 16139-16146

[92] "Aerobic tetrazine-catalyzed oxidative nitroso-Diels-Alder reaction of *N*-arylhydroxylamines with dienecarbamates: access to functionalized 1,6-dihydro-1,2-oxazines" Le, T.; Courant, T.; Merad, J.; Allain, C.;\* Audebert, P.;\* Masson, G.\* *ChemCatChem* **2019**, *7*, 5282-5286.

[91] "Combining Organocatalysis and Photoredox Catalysis: An Asymmetric Synthesis of chiral  $\beta$ -Amino  $\alpha$ -Substituted Tryptamines" Levitre, G.; Audubert, C. Goual, N.; Moreau, X.; Masson, G.\* *ChemCatChem* **2019**, *11*, 5723-5727 invitation Sustainable and Affordable Chemistry to Meet Future Challenges in the Pharmaceutical Industry

[90] "Four-Component Photoredox-Mediated Azidoalkoxy-trifluoromethylation of Alkenes" Levitre, G.; Dagousset, G.; Anselmi, E.; Tuccio, B.; Magnier, E.; Masson, G.\* *Org. Lett.* **2019**, *21*, 6005-6010.

[89] "Tandem Chiral Cu(II) Phosphate-Catalyzed Deoxygenation of Nitrones/Enantioselective Povarov Reaction with Enecarbamates. Gelis, C. , Levitre, G. , Guérineau, V. , Touboul, D. , Neuville, L. and Masson, G. \* *Eur. J. Org. Chem.* **2019**, 5151-5155. **Cover Picture.**

[88] "Chiral Phosphoric Acid-Catalyzed Enantioselective Construction of Structurally Diverse Benzothiazolopyrimidines" Jarrige, L.; Glavač, D.; Levitre, G.; Retailleau, P.; Bernadat, G.; Neuville, L.; Masson, G.\* *Chem. Sci.* **2019**, *10*, 3765-3769. **Selected Pick of the Week**

[87] "Catalyst-free cycloaddition of 1,3-diene-1-carbamates with azodicarboxylates: A rapid click reaction" Varlet, T., Levitre, G., Retailleau, P., Masson, G. *Bioorg. Med. Chem.* **2019**, *27*, 2438-2443.

[86] Lucchino, M.; Billet, A.; Versini, A.; Bavireddi, H.; Dasari, B.; Debieu, S.; Colombeau, L.; Cañeque, T.; Wagner, A.; Masson, G.; Taran; F., Karoyan, P.; Delepierre, M.; Gaillet, C.; Houdusse, A.; Britton, S.; Schmidt, F.; Florent, J.; Belmont, P.; Monchaud, D.; Cossy, J.; Thomas, C.; Gautier, A.; Johannes, L.;\* Rodriguez, R.\* *ChemBioChem* **2019**, *20*, 968-973.

[85] "Ultrafast maximum quantum NMR spectroscopy for the analysis of aromatic mixtures" Concilio, M. G.; Jacquemmoz, C.; Boyarskaya, D.; **Masson, G.** Dumez, J. N. *ChemPhysChem.* **2018**, *19*, 3310-3317

[84] "Visible light-triggered C-C and C-N bonds formation by C-S bonds cleavage of benzylic thioethers" Lanzi, M.; Merad, J.; Boyarskaya, D.; Maestri, G.; Allain, C.; **Masson, G.\*** *Org. Lett.* **2018**, *20*, 5247-5250.

[83] "Highly Diastereo- and Enantioselective Synthesis of Cyclo-hepta[b]indoles via Chiral Phosphoric Acid-Catalyzed [4+3] Cycloaddition" Gelis, C.; Levitre, G.; Merad, J.; Retailleau, P.; Neuville, L., **Masson, G.\*** *Angew. Chem. Int. Ed.* **2018**, *57*, 12121-12125. Selected chemistryView

[83] "Overcoming the lack of stereoselectivity in the trapping of polar organometals with Andersen's reagent - Access to valuable highly stereo-enriched transformable biphenyl" Bortoluzzi, J.; Jha; V.; Fer, M. J.; Levitre, G.; Berreur, J.; **Masson, G.**; Panossian, A.;\* Leroux, F. R.\* *J. Org. Chem.* **2018**, *83*, 7751-7761.

[82] "Asymmetric iodine catalysis-mediated enantioselective oxidative transformations" Claraz, A.\*; **Masson, G.\*** *Org. Biomol. Chem.*, **2018**, *16*, 5386-5402.

[81] "Enantioselective Brønsted Acid Catalysis as a Tool for the Synthesis of Natural Products and Pharmaceuticals" Merad, J.; Lalli, C.; Bernadat, G.; **Masson, G.\*** *Chem. Eur. J.* **2018**, *24*, 3925-3943.

[79] "Asymmetric  $\alpha$ -Sulfonyl- and  $\alpha$ -Phosphoryl-Oxylation of Ketones by a Chiral Hypervalent Iodine(III)" Levitre, G.; Dumoulin, A.; Retailleau, P.; Panossian, A.; Leroux, F. R.; **Masson, G.\*** *J. Org. Chem.* **2018**, *82*, 11877-11883

[78] "L'organocatalyse énantiosélective ou la chimie sans métaux de transition" Jarrige, L.; **Masson, G.\*** *Actualité Chimique*, **2018**, *463*, 63

[77] "Enantioselective Organocatalytic Intramolecular aza-Diels-Alder Reaction" Jarrige, L.; Blanchard, F.; **Masson, G.\*** *Angew. Chem. Int. Ed.* **2017**, *56*, 10573-10576. *Synfacts* **2017**, *13*, 1087.

[76] "Easy Access to Biologically Active Quinolin-2(1H)-ones via a One-Pot Tandem-oxa-Michael-Aldol Sequence" Jarrige, L.; Merad, J.; Zaid, S.; Blanchard, F.; **Masson, G.\*** *Synlett*, **2017**, *28*, 1724-1728.

[75] "Fluorinated Sulfilimino Iminiums: Efficient and Versatile Sources of Perfluoroalkyl Radicals

under Photoredox Catalysis" Daniel, M.; Dagousset, G.; Diter, P.; **Masson, G.\***; Magnier, E. \* *Angew. Chem. Int. Ed.* **2017**, *56*, 3997–4001.

[74] "Enantioselective Three-Component Amination of Enecarbamates Enables the Synthesis of Structurally Complex Small Molecules" Dumoulin, A.; Bernadat, G.; **Masson, G.\*** *J. Org. Chem.* **2017**, *82*, 1775–1789

[73] *Chiral Hypervalent Iodine(III) Catalyst Promotes Highly Enantioselective Sulfonyl- and Phosphoryl-oxylactonizations* Gelis, C.; Dumoulin, A.; Bekkaye, M.; Neuville, L.; **Masson, G.\*** *Org. Lett.* **2017**, *19*, 278–281.

[72] "Visible Light Photoredox-Mediated Oxidative Tandem Nitroso Diels-Alder Reaction of Arylhydroxylamines with Conjugated Dienes" Santacroce, V.; Duboc, R.; Malacria, M.; Maestri, G.; **Masson, G.\*** *Eur. J. Org. Chem.* **2017**, 2095–2098. *Synfacts* **2017**, *13*, 237.

[71] "Lewis acids turn unreactive substrates into pure enantiomers" Dumoulin, A.; **Masson, G.\*** *Science* **2016**, *351*, 6276–6277.

[70] "Asymmetric Oxidative Nitroso-Diels–Alder Reaction of *N*-Arylhydroxylamines Catalyzed by a Chiral Phosphoric Acid" Dumoulin, A.; **Masson, G.\*** *J. Org. Chem.* **2016**, *81*, 10154–10159."

[69] "Visible-Light Photoredox-Catalyzed Coupling Reaction of Azoles with  $\alpha$ -Carbamoyl Sulfides" Jarrige, L.; Levitre, G.; **Masson, G.\*** *J. Org. Chem.* **2016**, *81*, 7230–7236. Invitation par Prof M. Kozlowski and Prof T. P. Yoon dans "Special issue: Photoredox catalysis"

[68] "Recent Progress in Visible-Light Photoredox-Catalyzed Intermolecular 1,2- Difunctionalization of Double Bonds via an ATRA-Type Mechanism" Courant T.; **Masson, G.\*** *J. Org. Chem.* **2016**, *81*, 6945–6952.

[67] "Chiral Phosphoric Acid Catalyzed [3+2] Cycloaddition and Tandem Oxidative [3+2] Cycloaddition: Asymmetric Synthesis of Substituted 3-Aminodihydrobenzofurans" Gelis, C.; Bekkaye, M.; Lebé, C.; Blanchard, F.; **Masson, G.\*** *Org. Lett.* **2016**, *18*, 3422–3425

[66] "Photoredox-Catalyzed Three-Component Tandem Process: An Assembly of Complex Trifluoromethylated Phthalans and Isoindolines" Jarrige, L.; Carboni, A.; Dagousset, G.; Levitre, G.; Magnier, E.; **Masson, G.\*** *Org. Lett.*, **2016**, *18*, 2906–2909.

[65] " $\alpha,\alpha'$ -Carbamoylsulfides as *N*-Carbamoylimine Precursors in the Visible Light Photoredox-Catalyzed Synthesis of  $\alpha,\alpha$ -Disubstituted Amines" Lebé, C.; Languet, M.; Allain, C.; **Masson, G.\*** *Org. Lett.* **2016**, *18*, 1478–1481.

[64] "Highly Enantioselective Intermolecular Iodo- and Chloroamination of Enecarbamates Catalyzed by Chiral Phosphoric Acids or Calcium Phosphate Salts" Lebé, C.; Blanchard, F.; **Masson, G.\*** *Synlett* **2016**, *27*, 559–563, *Synform* **2016**

[63] "Synthesis of New Axially Chiral Iodoarenes" Bekkaye, M.; **Masson, G.\*** *Synthesis* **2015**, *48*, 302–312.

[62] "Regio-, Diastereo-, and Enantioselective Nitroso-Diels–Alder Reaction of 1, 3-Diene-1-carbamates Catalyzed by Chiral Phosphoric Acids" Pous, J.; Courant, T.; Bernadat, G.; Iorga, B.I.; Blanchard, F.; **Masson, G.\*** *J. Am. Chem. Soc.* **2015**, *137*, 11950–11953. *Synfacts* **2015**, *11*, 1212.

[61] "Three-Component Photoredox-Mediated Chloro-, Bromo-, or Iodotrifluoromethylation of Alkenes" Carboni, A.; Dagousset, G.; Magnier, E.; **Masson, G.\*** *Synthesis* **2015**, *47*, 2439–2445.

[60] "Formal Asymmetric Organocatalytic [3 + 2] Cyclization between Enecarbamates and 3-Indolylmethanols – a Rapid Access to 3-Aminocyclopenta[b]indoles" Lebé, C.; Kataja, A. O.; Blanchard, F.; **Masson, G.\*** *Chem. Eur. J.* **2015**, *21*, 8399–8402.

[59] "Enamide derivatives: Versatile Building Blocks for Total Synthesis" Courant, T.; Dagousset, G.; **Masson, G.\*** *Synthesis* **2015**; *47*, 1799–1856

[58] "Catalytic, highly enantioselective, direct amination of enecarbamates" Dumoulin, A.; Lalli, C.; Retailleau, P.; **Masson, G.\*** *Chem. Commun.*, **2015**, *51*, 5383–5386.

[57] "Enamide derivatives: Versatile Building Blocks for Highly Functionalized  $\alpha,\beta$ -Substituted Amines" Bernadat, G.; **Masson, G.\*** *Synlett* **2014**, *25*, 2842–2867. **Account article**

- [56] "Chiral Calcium-BINOL Phosphate Catalyzed Diastereo- and Enantioselective Synthesis of syn-1,2-Disubstituted 1,2-Diamines: Scope and Mechanistic Studies" Lalli, C.; Dumoulin, A.; Lebée, C.; Drouet, F.; Guérineau, V.; Touboul, D.; Gandon, V.; Zhu, J.; **Masson, G.\*** *Chem. Eur. J.* **2014**, *21*, 1704–1712.
- [55] "Imine and iminium precursors as versatile intermediates in enantioselective organocatalysis" Kataja, A. O.; **Masson, G.\*** *Tetrahedron* **2014**, *70*, 8783-8815.
- [54] "One pot and selective intermolecular aryl- and heteroaryltrifluoromethylation of alkenes by photoredox catalysis" Carboni, A.; Dagousset, G.; Magnier, E.; **Masson, G.\*** *Chem. Commun.* **2014**, *50*, 14197-14200.
- [53] "Photoredox-induced three-component azido- and aminotrifluoromethylation of alkenes" Dagousset, G.; Carboni, A.; Magnier, E.;\* **Masson, G.\*** *Org. Lett.* **2014**, *16*, 4340-4343.
- [52] "Phosphoric Acid Catalyzed Diastereo- and Enantioselective Synthesis of Substituted 1,3-Diaminotetralins", Dagousset, G.; Erb, W.; Zhu, J.; **Masson, G.\*** *Org. Lett.* **2014**, *16*, 2554-2557.
- [51] "Cerium(IV) Ammonium Nitrate Mediated Three-Component alpha-Allylation of Imine Surrogates", Bekkaye, M.; **Masson, G.\*** *Org. Lett.* **2014**, *16*, 1510-1513.
- [50] "Photoredox-Induced Three-Component Oxy-, Amino-, and Carbotrifluoro-methylation of Enecarbamates", Carboni, A.; Dagousset, G.; Magnier, E.; **Masson, G.\*** *Org. Lett.* **2014**, *16*, 1240-1243.
- [49] "NIS-Assisted Aza-Friedel-Crafts Reaction with alpha-Carbamoylsulfides as Precursors of N-Carbamoylimines", George, N.; Bekkaye, M.; Alix, A.; Zhu, J.; **Masson, G.\*** *Chem. Eur. J.* **2014**, *20*, 3621-3625.
- [48] "An Asymmetric Three-Component Povarov Reaction: Synthesis of tetrahydropyrrolo[3,2-b]pyridines or tetrahydropyrazolo[4,3-b]pyridines", Brioché, J.; Courant, T.; Alcaraz, L.; Stocks, M.; Furber, M.; Zhu, J.; **Masson, G.\*** *Adv. Synth. Catal.* **2014**, *356*, 1719-1724. Couverture du journal
- [47] "Iron Chloride-Catalyzed Three-Component Domino Sequences: Syntheses of Functionalized alpha-Oxy-N-acylhemiaminals and alpha-Oxyimides" Drouet F., Zhu, J.;\* **Masson, G.\*** *Adv. Synth. Catal.* **2013**, *355*, 3563-3569.
- [46] "Highly Enantioselective Aza-Diels-Alder Reaction of 1-Azadienes with Enecarbamates Catalyzed by Chiral Phosphoric Acids" He, L.; Laurent, G.; Retailleau, P.; Folléas, B.; Brayer, J.-L.; **Masson, G.\*** *Angew. Chem. Int. Ed.* **2013**, *52*, 11088-10091. *Synfacts*, **2013**, *10*, 1235
- [45] "Ugi Four-Component Reaction of Alcohols: Stoichiometric and Catalytic Oxidation/MCR Sequences" Drouet, F.; **Masson, G.\***;\* Zhu, J.\* *Org. Lett.* **2013**, *15*, 2854- 2857.
- [44] "Metal-Free Dioxygenation of Enecarbamates Mediated by a Hypervalent Iodine Reagent" Bekkaye, M.; Su, Y.; **Masson, G.\*** *Eur. J. Org. Chem.* **2013**, 3978-3982.
- [43] "Chiral Phosphoric Acid-Catalyzed Enantioselective Aza-Friedel-Crafts Alkylation of Indoles with gamma-Hydroxy-gamma-lactams" Courant, T.; Kumarn, S.; He, L.; **Masson, G.\*** *Adv. Synth. Catal.* **2013**, *355*, 836-840.
- [42] "Catalytic enantioselective [4 + 2]-cycloaddition: a strategy to access aza- hexacycles" **Masson, G.\***; Lalli, C.; Benohoud, M.; Dagousset, G. *Chem. Soc. Rev.* **2013**, *42*, 902-923. Sur invitation par Prof. A. Echevarren.
- [41] "Organocatalytic Enantioselective One-pot Four-component Ugi-type Multicomponent Reaction for the Synthesis of Epoxy-tetrahydropyrrolo[3,4-b]pyridin-5-ones" Su, Y.; Bouma, M. J.; Alcaraz, L.; Stocks, M.; Furber, M.; **Masson, G.\***;\* Zhu, J. *Chem. Eur. J.* **2012**, *18*, 12624-12627.
- [40] "Amidation of Aldehydes and Alcohols via alpha-Iminonitriles and a Sequential Oxidative Three-component Strecker Reaction/Thio-Michael Addition/Alumina-promoted Hydrolysis to Access alpha-Mercaptoamides from Aldehydes, Amines and Thiols" Gualtierotti, J.-B.; Schumacher, X.; Fontaine, P.; **Masson, G.**; Wang, Q.; Zhu, J.\* *Chem. Eur. J.* **2012**, *18*, 14812-14819.
- [39] "Highly Enantioselective Electrophilic alpha-Bromination of Enecarbamates: Chiral Phosphoric Acid and Calcium Phosphate Salt Catalysts" Allix, A., Lalli, C., Retailleau, P.; **Masson, G.\*** *J. Am. Chem. Soc.* **2012**, *134*, 10389-10392. *Synfacts*, **2012**, *9*, 1023.
- [38] "Chiral Phosphoric Acid Catalyzed Inverse-Electron-Demand Aza-Diels-Alder Reaction of

- Isoeugenol Derivatives*" He, L.; Bekkaye, M.; Retailleau, P.; **Masson, G.** \* *Org. Lett.* **2012**, *14*, 3158-3161.
- [37] "Chiral Phosphoric Acid-Catalyzed Enantioselective Three-Component Povarov Reaction Using Cyclic Enethiureas as Dienophiles: Stereocontrolled Access to Enantioenriched Hexahydropyrroloquinolines" Dagousset, G.; Retailleau, P.; **Masson, G.** \*; Zhu, J. \* *J. Chem. Eur. J.* **2012**, *18*, 5869-5873.
- [36] "Exploiting the Divergent Reactivity of Isocynoacetates: One-Pot Three-Component Synthesis of Functionalized Angular Furoquinolines" Bouma, M.J.; Bonne, D.; **Masson, G.** \*; Zhu, J. \* *Eur. J. Org. Chem.* **2012**, 475-479.
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- [11] "Rapid Synthesis of Cyclodepsipeptides Containing a Sugar Amino Acid or a Sugar Amino Alcohol by a Sequence of a Multicomponent Reaction and Acid-Mediated Macrocyclization" Bughin, C.; **Masson, G.**; Zhu, J. *J. Org. Chem.* **2007**, *72*, 1826-1829.

#### **b) Undergraduate, Graduate and Postdoctoral Research Contributions:**

- [10] "Intramolecular Staudinger Ligation towards Biaryl-Containing Lactams" **Masson, G.**; Hartog, T.; Schoemaker, H. E.; Hiemstra, H.; van Maarseveen, J. H.\* *Synlett*, **2006**, 865- 868.
- [9] "Mild and Chemoselective Peptide-Bond Cleavage of Peptides and Proteins at Azido Homoalanine" Back, J. W.; David, O.; Kramer, G.; **Masson, G.**; Kasper, P. T.; Koning, L. J.; Jong, L., van Maarseveen J. H.\*; Koster, C. G.\* *Angew. Chem. Int. Ed.* **2005**, *44*, 7946-7950.
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## BOOK CHAPTERS

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[7] Levitre, G.; Masson, G. "Brønsted acid as efficient catalyst for synthesis of biologically active natural products" Advanced Green Chemistry, Part 2: From Catalysis to Chemistry Frontiers **2020**. <https://www.worldscientific.com/worldscibooks/10.1142/11559>.

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[3] Masson, G., Zhu, J. "Asymmetric Morita-Baylis-Hillman Reaction and its Aza Analogue" Stereoselective Synthesis: Stereoselective Reactions of Carbonyl and Imino Groups, Thieme Chemistry - Science of Synthesis **2011**, Vol. 2, pp 735-784

[2] Masson, G., Neuville, L.; Bughin, C.; Fayol, A. Zhu, J. "Multicomponent Syntheses of Macrocycles" Synthesis of Heterocycles via Multicomponent Reactions II, Topics in Heterocyclic Chemistry, **2010**, 25, pp 1-24.

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## INVITED LECTURES IN CONFERENCES, UNIVERSITY AND INDUSTRY

[132] "titre à déterminer" Meeting of Exploratory Photochemistry: Light Creates Structure, National Academy of Sciences Leopoldina in Halle, October, **2021**, Leopoldina, **Germany**

[131] "Title" 11th Asian-European Symposium on metal-Mediated Organic Synthesis, July 25-30, **2021**, Technion, **Israel**

[130] "Title" HRSMC Organic Synthesis Summer School July 5-8, **2021**, Deurne, **Netherlands**.

[129] "Title" 10<sup>ème</sup> Rencontres de Chimie Organique de Marseilles RCOM, May 28-29, **2021**, Marseilles, **France**

[128] "Visible light photoredox catalysis as a tool for organic synthesis." 11th Asian-European Symposium on metal-Mediated Organic Synthesis, May 26, **2021**, Regensburg, **Germany**

[127] "Title" EVOtec, May 21, **2021**, Toulouse, **France**

[126] "Catalytic asymmetric difunctionalization of enamides via Brønsted acid catalysis" Plenary Lecturer, 19th Annual - Florida Heterocyclic Conference, FloHet March 1-4, **2020**, Université de Florida, Gainesville, **USA**

[125] "Organocatalysis: A Versatile Tool for the Synthesis of Nitrogen-Containing Heterocycles" **1st EurJOC Virtual Symposium**, Feb 26, 2020,

[124] "Visible light photoredox catalysis as a tool for organic synthesis" Nov 22, 2019, Université de

Strasbourg, **France**

[123] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 19, 2019, CEA-Paris Saclay, **France**

[122] “Catalytic asymmetric difunctionalization of enamides via Brønsted acid catalysis” Oct 29-31, 2019, JCO 2019 – Journées de Chimie Organique 2019, **France**

[121] “Organocatalysis: A Versatile Tool for the Synthesis of Nitrogen-Containing Heterocycles” Organic Chemistry in Paris Collège de France, Sept 18, 2019, Paris, **France**

[120] “Visible light photoredox catalysis as a tool for organic synthesis” July 10, 2019, Université Nantes, **France**

[119] “Visible light photoredox catalysis as a tool for organic synthesis” 39th European School of Medicinal Chemistry, ESMEC », June 30.-4 July, 2019, Urbino, **Italy**

[118] “Visible light photoredox catalysis as a tool for green organic synthesis” Labfact Day, June. 19, 2019, Caen, **France**

[117] “Visible light photoredox catalysis as a tool for organic synthesis” XXXVII Biennial Meeting of the Spanish Royal Society of Chemistry, May 26-30, 2019, San Sebastián, **Spain**

[116] “Visible light photoredox catalysis as a tool for green organic synthesis” Symposium at the Venice International University, March 10-15, 2019, Venice, **Italy**

[115] “Visible light photoredox catalysis as a tool for organic synthesis” Feb 27, 2019, Glasgow University, **UK**

[114] “Visible light photoredox catalysis as a tool for organic synthesis” Feb 15, 2019, Université de Descartes, **France**

[113] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 19, 2018, École Polytechnique Fédérale de Lausanne, **Switzerland**

[112] “Visible light photoredox catalysis as a tool for green organic synthesis” Photo4Future ITN, Nov. 12-13, 2018, Eindhoven, **Netherlands**

[111] “Visible light photoredox catalysis as a tool for green organic synthesis” American Chemical Society Publications Forum: “Celebrating Diversity in Inorganic/Organic Chemistry in Europe,” Oct. 9-11, 2018, Heidelberg, **Germany**

[110] “Visible light photoredox catalysis as a tool for organic synthesis” Oct 6, 2018, Université de Namur, **Belgium**

[109] “Visible light photoredox catalysis as a tool for organic synthesis” 22nd International Conference on Organic Synthesis, 22-ICOS, Sept 16-21, 2018 -Florence, **Italy**

[108] “Multicomponent perfluoroalkylation Reactions by Visible-Light Photoredox Catalysis” International Conference on Multicomponent Reactions and Related Chemistry, August 26 to 31, 2018, Düsseldorf, **Germany**

[107] “Visible light photoredox catalysis as a tool for green organic synthesis” National congress of the French Chemical Society, July 3-4, 2018 -Montpellier, **France**

[106] “Iodine catalysis as a tool for organic synthesis” 6th International Conference on Hypervalent Iodine Chemistry, ICICH-2018, July 1-3, 2018 -Cardiff, **United-Kingdom**

[105] “Multicomponent perfluoroalkylation Reactions by Visible-Light Photoredox Catalysis” Justus-Liebig University Giessen, May 30, 2018, Justus-Liebig University Giessen, **Germany**

[104] “Organocatalysis: A Versatile Tool for the Synthesis of Nitrogen-Containing Heterocycles” Syngenta, May 16-17, 2018, Stein, **Switzerland**

[103] “Organocatalysis: a versatile tool for the synthesis of nitrogen-containing” SR MiPy, SCF, Dec 12, 2017, Toulouse, **France**

[102] “Visible light photoredox catalysis as a tool for green organic synthesis” Bayer Photochemistry Event : Photochemistry for Life Sciences: The future is bright, Nov 9-10, 2017, Düsseldorf, **Germany**

[101] “Visible light photoredox catalysis as a tool for green organic synthesis” one-day symposium

Nov 6th, 2017, Gothenburg, **Sweden**

[100] “Visible light photoredox catalysis as a tool for green organic synthesis” Organic Chemistry Day, October 11 2017, Pavia, **Italy**

[99] “Visible light photoredox catalysis as a tool for green organic synthesis” RSC-NOST symposium on Organic and Biomolecular Chemistry, Oct, 3-6, 2017, Leeds, **United-Kingdom**

[98] “Future of the pharmaceutical industry” Seminar of Novacap, Sept, 26, 2017, Lyon, **France**

[97] “Visible light photoredox catalysis as a tool for green organic synthesis” Regio Symposium, Sept 6-8, 2017-Liestal, **Switzerland**

[96] “A Versatile Tool for the Synthesis of Nitrogen-Containing Heterocycles” Regio Symposium Sept 6-8, 2017-Liestal, **Switzerland**

[95] “Visible light photoredox catalysis as a tool for organic synthesis” 46th IUPAC World Chemistry Congress, Jul 9-14, 2017, São Paulo, **Brazil**.

[94] “Visible light photoredox catalysis as a tool for organic synthesis” Dec 6, 2016, Galapagos, Romainville, **France**

[93] “Visible light photoredox catalysis as a tool for organic synthesis” Dec 2, 2016, Aachen University, Aachen, **Germany**

[92] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 23, 2016, Johannes Gutenberg University of Mainz, Mainz, **Germany**

[91] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 22, 2016, Julius-Maximilians-Universitaet Würzburg, Würzburg, **Germany**

[90] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 21, 2016, Leibniz-Institut für Katalyse, Rostock, **Germany**

[89] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 18, 2016, Max-Planck-Institut, Mülheim, **Germany**

[88] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 17, 2016, Lehrstuhl fuer Organische Chemie, Düsseldorf, **Germany**

[87] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 16, 2016, Freie Universitaet Berlin, Berlin, **Germany**

[86] “Visible light photoredox catalysis as a tool for organic synthesis” Nov 14, 2016, Philipps-Universität Marburg Fachbereich Chemie, Marburg, **Germany**

[85] “Asymmetric difunctionalization of Enamides via Hydrogen Bond Catalysis” 15th Belgian Organic Synthesis Symposium Jul 10-15, 2016 - Antwerp, **Belgium**

[84] “Asymmetric Cycloadditions via Hydrogen Bond Catalysis” XXVII European Colloquium on Heterocyclic Chemistry (EHC 2016)” Jul 3-6 2016 Amsterdam, **Netherlands**

[83] “Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis” Jun 30, 2016, Nagoya University, **Japan**

[82] “Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis” Jun 29, 2016, Toyohashi University of Technology, Toyohashi, **Japan**

[81] “Visible Light Photoredox-Catalyzed Multicomponent Reactions” Jun 28, 2016, Riken, Tokyo, **Japan**

[80] “Visible Light Photoredox-Catalyzed Multicomponent Reactions” Jun 27, 2016, The University of Tokyo, Tokyo, **Japan**

[79] “Straightforward Strategies to Access N-containing Structure Organocatalysis for the Benefit of Natural products” June 24, 2016, Tokyo University of Agriculture and Engineering, Tokyo, **Japan**

[78] “Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis” Jun 23, 2016, Rikkyo University, **Japan**

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[76] “Visible Light Photoredox-Catalyzed Multicomponent Reactions” June 21, 2016, Nagoya Institute of

Technology, Nagoya, **Japan**

[75] “*Visible Light Photoredox-Catalyzed Multicomponent Reactions*” Jun 20, 2016, Tokyo Institute of Technology, Tokyo, **Japan**

[74] “*Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis*” Jun 17, 2016, Chuo University, Tokyo, **Japan**

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[72] “*Visible Light Photoredox-Catalyzed Multicomponent Reactions*” Jun 15, 2016, Tohoku University, Tokyo, **Japan**

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[70] “*Straightforward Strategies to Access N-containing Structure Organocatalysis for the Benefit of Natural products*” Jun 10, 2016, Kyushu University, Fukuoka, **Japan**

[69] “*Straightforward Strategies to Access N-containing Structure Organocatalysis for the Benefit of Natural products*” Jun 9, 2016, UBE Industries, Ltd., Ube City, **Japan**

[68] “*Visible Light Photoredox-Catalyzed Multicomponent Reactions*” Jun 8, 2016, Okayama University, Okayama, **Japan**

[67] “*Visible Light Photoredox-Catalyzed Multicomponent Reactions*” Jun 6, 2016, Osaka Prefectural University, Osaka **Japan**

[66] “*Straightforward Strategies to Access N-containing Structure Organocatalysis for the Benefit of Natural products*” Jun 3, 2016, Kobe University, Osaka, **Japan**

[65] “*Visible Light Photoredox-Catalyzed Multicomponent Reactions*” Jun 1, 2016, Osaka University, Osaka **Japan**

[64] “*Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis*” May 31, 2016, Kyoto University, Kyoto, **Japan**

[63] “*Visible Light Photoredox-Catalyzed Multicomponent Reactions*” May 30, 2016, Kyoto University, Kyoto, **Japan**

[62] “*Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis*” May 27, 2016, Gakushuin University, Tokyo, **Japan**

[61] “*Asymmetric difunctionnalization of enamides via Hydrogen Bond Catalysis*” 17 Mars, 2016, Institut de Chimie de Institut de Chimie de Clermont-Ferrand, University of Blaise Pascal, **France**

[60] “*Straightforward strategies to access N-containing Heterocycles*” Feb 28 - March 2, 2016 17th Annual - Florida Heterocyclic Conference, University of Florida, **USA**

[59] “*Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis*” Aug 23-28, 2015, 25th ISHC Congress Santa Barbara, **USA**

[58] “*Asymmetric difunctionnalization of enamides via Hydrogen Bond Catalysis*” Jul 10- 16, 19th European Symposium on Organic Chemistry ESOC, 2015 Lisbon, **Portugal**

[57] “*Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis*” Apr 13, 2015 Dipartimento di Chimica e Biologia, Università di Salerno, **Italy**

[56] “*Straightforward Strategies to Access N-containing Structure Organocatalysis for the Benefit of Natural product*” March 23, 2015, H. C. Brown Award Symposium for Gary Molander : 249th ACS meeting Denver, **USA**

[55] “*Di-fonctionnalisation asymétrique organocatalysée d’énamides*” Jul 1, 2015 University of Maine, LE MANS, **France**

[54] “*Enantioselective Organocatalytic cycloadditions via Hydrogen Bond Catalysis*” Jun 10, 2015 University of Bern, **Switzerland**

[53] “*Di-fonctionnalisation asymétrique organocatalysée d’énamides*” Feb 5, 2015, ESPCI ParisTech, **France**

[52] “*Di-fonctionnalisation asymétrique organocatalysée d’énamides*” Jan 13, 2015 University of Caen, **France**

[51] “*Enamide derivatives: Versatile Building Blocks for Highly Functionalized  $\alpha,\beta$ -Substituted Amines*” Nov 17, 2014 University de Bordeaux, **France**

[50] “*Enamide derivatives: Versatile Building Blocks for Highly Functionalized  $\alpha,\beta$ -Substituted Amines*” Nov 2, 2014, University of Geneva, **Switzerland**

[49] “*Synthèse énantiosélective d’hétérocycles azotés via une catalyse par liaisons hydrogènes*” Oct 8, 2014, University of Orléans, **France**

[48] « *Catalyse énantiosélective au profit de la synthèse d’amines alpha,beta- fonctionnalisées* » Jul 4 , 2014, Les Après-Midis Thématiques de l’EDSC. AMT Chimie Organique et Bioorganique « La Chimie au service de la Biologie et vice-versa », Strasbourg, **France**.

[47] “*Straightforward Strategies to Access N-containing Structure Organocatalysis for the Benefit of Natural product*” Jun 14, 2014, University catholic of Louvain: UCL, **Belgium**

[46] “*Enantioselective Organocatalytic Cycloadditions via Hydrogen Bond Catalysis*” Jun,1-5, 2014, FACS XV Meeting, Avignon, **France**.

[45] “*Enantioselective Organocatalytic Cycloadditions via Hydrogen Bond Catalysis*” May 18-25, 2014 SECO 51, Port Leucate, **France**.

[44] “*Enantioselective Organocatalytic Cycloadditions via Hydrogen Bond Catalysis*” May 7-10, 2014 ORganoCATalysis ORCA-COST meeting in Palermo, Palermo, **Italy**

[43] “*Organocatalytic Asymmetric Cycloadditions for the Rapid Synthesis of Structurally Diverse Nitrogen-Containing Molecules*” Apr 28-29, 2014 LabEx CHARM3AT,Campus Gif, **France**

[42] “*Straightforward Strategies to Access N-containing Structure Organocatalysis for the Benefit of Natural products*” Apr 18, 2014 Galderma R&D -Sophia Antipolis, **France**

[41] “*L’organocatalyse au bénéfice de la synthèse d’amines chirales*” March 19, 2014 University of Versailles, **France**

[40] “*Enantioselective Organocatalytic Cycloadditions via Hydrogen Bond Catalysis*” March 14, 2014 University of Poitiers, **France**

[39] “*Enantioselective organocatalytic aza-Diels-Alder reactions via hydrogen bond catalysis*” Feb 26, 2014 University of Manchester, **United-Kingdom**

[38] “*Enantioselective organocatalytic aza-Diels-Alder reactions via hydrogen bond catalysis*” Feb 14, 2014 Catalan Institute of Chemistry Research (ICIQ) of Tarragona, **Spain**

[37] “*Enantioselective organocatalytic aza-Diels-Alder reactions via H bond catalysis*” Jan 14, 2014, GlaxoSmithKline, Les Ulis, **France**

[36] “*Développement de nouvelles réaction MCRs*” Nov 14-15, 2013, agence national de recherche, Paris, **France**

[35] “*Enantioselective organocatalytic aza-Diels-Alder reactions via H bond catalysis*” Oct 17-18, 2013, Montpellier, France, Journées méditerranéennes des Jeunes Chercheurs, **France**

[34] “*Enantioselective organocatalytic aza-Diels-Alder reactions via H bond catalysis*” Oct 09, 2013, CEA Saclay, **France**

[33] “*New tools for  $\alpha,\beta$ -functionalization of enamides and enecaebamates*” Sept 09-10, 2013, Vltava 2013 Meeting, **Czech Republic**

[32] “*Enantioselective organocatalytic aza-Diels-Alder reactions via H bond catalysis*” Aug 25-30, 2013, GECO 54, Le Cornic, **France**

[31] “*Straightforward Strategies to Access N-containing Structure – Organocatalysis for the Benefit of Natural products*” Jun 13-14, 2013, XIII Symposium - Institut de Chimie des Substances Naturelles, Gif-surYvette, **France**

[30] “*Enamides and H-Bonding Catalysis*” Jun 07, 2013, Aachen University, Aachen, **Germany**

[29] “*Enantioselective aza-Morita-Baylis-Hillman Reaction: Key Role of Achiral Additive*” Jun 24, 2013,

AstraZeneca, Ecole Polytechnique Half-Day Symposium, Palaiseau, **France**

[28] "*Etude de la réaction énantiosélective de Povarov : Accès aux tétrahydroquinoléines et aux 1,3-diamines énantioenrichies*" Feb 12, 2013, University of Paris Descartes, Paris, **France**

[27] "*Enantioselective aza-Morita-Baylis-Hillman Reaction: Key Role of Achiral Additive*" May 11-15, 2013, 23rd French-Japanese Symposium on medicinal and fine chemistry (FJS2013) Crowne Plaza ANA Nagasaki Gloverhill, Nagasaki, **Japan**

[26] "*Enamides and H-Bonding Catalysis*" May 17, 2013, Kyoto University, Kyoto, **Japan**

[25] "*Enamides and H-Bonding Catalysis*" May 10, 2013, The University of Tokyo, Tokyo, **Japan**

[24] "*Enamides and H-Bonding Catalysis*" May 08, 2013, Gakushuin University, Kyoto, **Japan**

[23] "*Réaction de type aza-Morita-Baylis-Hillman régio- et énantiosélective catalysée par des bases de Lewis organiques chirales*" Nov 12-13, 2013 agence national de recherche, Paris, **France**

[22] "*Enantioselective Aza-Morita-Baylis-Hillman Reaction: Key Role of Achiral Additive*" Sept 12, 2012, Rutgers, the State of university of new Jersey, Department of Chemistry & Chemical Biology, New Brunswick, **USA**

[21] "*Asymmetric, Catalytic Synthesis of Chiral Amines*" Sept 10, 2012, Temple University, Philadelphia, **USA**

[20] "*Enantioselective Aza-Morita-Baylis-Hillman Reaction: Key Role of Achiral Additive*" Sept 08, 2012, University of Pennsylvania, Philadelphia, **USA**

[19] "*Réaction d'Aza-Morita-Baylis-Hillman énantiosélective organocatalysée par des alcaloïdes de quinquina bifonctionnels*" Apr 06, 2012, Institut de chimie et des matériaux Paris-est Thiais, **France**

[18] "*Etude de la réaction énantiosélective de Povarov : Accès aux tétrahydroquinoléines et aux 1,3-diamines énantioenrichies*" March 29, 2012, Faculté de Pharmacie, University of Paris-Sud 11, Conférence BioCis, Châtenay-Malabry, **France**

[17] "*Enamides as versatile nucleophiles in enantioselective synthesis of chiral amines*" March 06, 2012, Journée d'automne de la DCO, Paris, **France**

[16] "*Organocatalyse asymétrique : un accès aux amines chirales*". Feb 22, 2011, UFR Sciences Pharmaceutiques et Biologiques, University of Rennes 1, Rennes, **France**

[15] "*Les imines et énamides : précurseurs d'amines chirales*". Feb 16, 2011, Laboratoire de Chimie Organique de l'Ecole Nationale Supérieure de Chimie de Mulhouse, Mulhouse, **France**

[14] "*Enamides as versatile nucleophiles in enantioselective synthesis of chiral amines*" Dec 08-09, 2011, 7th Indo-French Conference in Organic Synthesis (IFCOS), Pune, **India**

[13] "*Enamides as versatile nucleophiles in enantioselective synthesis of chiral amines*". Aug 28-Sept 01, 2011, 242nd ACS National Meeting & Exposition, Young Academic Investigators, Denver, Colorado, **USA**

[12] "*Imines/Enamides as tools for synthesis of functionalized Amines*" Jul 27, 2011, Diverchim Company, Montataire, **France**

[11] "*Enamides as versatile nucleophiles in enantioselective synthesis of chiral amines*" May 26-28, 2011, French-German-Hungarian meetings Goslar, **Germany**

[10] "*Enantioselective Aza-Morita-Baylis-Hillman Reaction: Key Role of Achiral Additive*" Jan 31-Feb 01, 2011, Multiple faces of chemistry: from Marie Curie to nowadays, Paris, **France**

[9] "*Réaction de type Mannich énantiosélective : application à la synthèse d'amines fonctionnalisées*" Feb 11, 2011, ENSI-CAEN, University of Caen-Basse Normandie, Caen, **France**

[8] "*Organocatalyse asymétrique : un accès aux amines chirales*" Jan 13, 2011, University of Grenoble, Grenoble, **France**

[7] "*2-cyano-1-azadienes as fine precursor for the synthesis of various heterocycles*" Sept 21- 23, 2010, Journée de chimie organique, Palaiseau, **France**

[6] "*Chiral Brønsted Acid-Catalyzed Enantioselective Organocatalytic Three-Component Reaction for the Construction of  $\alpha$ -Chiral Amines Molecules*" May 19-21, 2010, Synthesis of Chiral amines INV1st Annual World Congress of Catalytic Asymmetric Synthesis 2010, Pekin, Beijing, **China**

[5] "*Synthèse d'amines chirales par organocatalyse*". March 16, 2010, University of Rouen, IRCOF, Rouen,

**France**

[4] “*Synthèse d’amines chirales par organocatalyse*” March 12, 2010, University of Orsay, ICMMO, Orsay, **France**

[3] “*Synthetic studies on medium-sized lactams displaying atropisomerism*” Sept 2005, Ontwerp en Synthese, Structure en Reactiviteit Biomoleculaire Chemie, Lunteren **Netherlands**

[2] “*Atropenantioselective Lactamizations using an Intramolecular Staudinger Ligation Strategy*” Aug 01-06, 2004, 15th International Conference on Organic Synthesis IUPAC ICOS-15, Nagoya, **Japan**

[1] “*Réactivité des nitrones en présence de SmI<sub>2</sub>: Couplages croisés avec des aldéhydes et des cétones*” Apr 2002, Journée de l’école doctorale : Chimie et Sciences du Vivant, Grenoble, **France**