

CURRICULUM VITAE

Thierry DURAND

58 years old, married, 4 children and 1 grandson

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Institute des Biomolécules Max Mousseron (IBMM) – UMR 5247, Université de Montpellier, CNRS, ENSCM
Faculté de Pharmacie; 15, Av. Ch. Flahault, BP 14491 ; 34093 Montpellier Cedex 05

Directeur de Recherche 1^{ère} classe CNRS

Head of Department Lipids

Head of team "Synthesis of Bioactive Lipids"

Education

1996	Habilitation to Conduct Researches (HDR), Université Montpellier I (France).
1990-1991	Postdoc fellow, Florida Institute of Technology (FIT), Florida, USA, (Mentor : Pr J. ROKACH)
1987-1990	Ph.D. in Chemistry of Biomolecules, UMR CNRS 5074, Université de Montpellier I (France), (Mentor : Pr. J-C. ROSSI)
	Research project "Synthesis and Reactivity of Phosphorus Synthons: Precursors of Leukotriene B ₄ Analogues"
1986-1987	Post-graduate certificate in Organic Chemistry, Ecole Normale Supérieure (ENS), Université de Paris VI (France), (Mentor : Pr. M. JULIA)

Position

Oct. 1991-Oct. 1995	: Chargé de Recherche 2 ^{ème} classe CNRS – URA 1111
Oct. 1995-Oct. 2002	: Chargé de Recherche 1 ^{ère} classe CNRS – UMR 5074
Oct. 2002-Present	: Directeur de Recherche 2 ^{ème} classe CNRS – UMR 5074
Oct. 2005-Jan. 2007	: Deputy Director UMR 5074
Jan. 2007-Present	: Head of Department of Lipids, IBMM – UMR 5247
Oct. 2014-Present	: Directeur de Recherche 1 ^{ère} classe CNRS – UMR 5247
Jan. 2017-Dec. 2018	: President of IMBL (Multidisciplinary Institute of Biochemistry of Lipids)

Feb. 2018 : Chevreul Medal from the SFEL (Société Française pour l'Etude des Lipides)

Trainee supervision

Post-doc : 14

PhD students : 20

Master-2 students : 28

ERASMUS students : 13

Since 2011, I choose to stop to be supervisor and let my co-workers (assistant professors and researchers) to supervise all our post-doc, students.

Committee

IBMM/UMR 5247 : Member of the board

IBMM/UMR 5247 : Member of the scientific council

Doctoral School-ED 459 : Member of the board

IMBL : President and member of the scientific council

GERLI : Member of scientific council

European program FP6 "Antimal" : Member

Teaching

1998-present : Master-2 research: Course Title: Total synthesis of Iso-, Phyto-, Neuroprostanes and Isofurans.

Journal Reviewer

J. Org. Chem.; Eur. J. Org. Chem.; J. Med. Chem.; Org. Lett.; Angew. Chem. Int. Ed.; Tetrahedron Lett.; Tetrahedron:Asymmetry; Synlett.; Lipids; Bioorg. Med. Chem. Lett.; Chem. Phys. Lipids; Prostaglandins Leukot Essent Fatty Acids; Biochem J. Free Rad. Res.; Free Radic. Biol. Med.; J. Lipid Res.

Publications

261 articles and patent published in peer reviews
17 articles submitted or in revision in peer reviews
75 Invited lecturers and seminars
284 posters in national and international meetings
171 articles published in peer reviews since 2010

Selected Patent since 2013

- 1) Methods and Pharmaceutical Composition for the Treatment of Disorders or Diseases associated with Ryanodine Receptor Dysfunction. A. Lacampagne, J-M. Galano, C. Oger, J. Thireau, S. Matecky, H. Dridi, J. Roy, V. Bultel-Ponce, A. Guy, T. DURAND, J-Y. Le Guennec WO 2015197562 A1 20151230
- 2) New lipophenol compounds and use therof C. Crauste, C. Vigor, Ph. Brabet, Ch. Hamel, T. DURAND, J-M. Vercauteren European Patent 22 April 2014-EPI 14 305 607.5; PCT 24 April 2015-PCT/EP2015/058960 WO 2015162265 A1 20151029.
- 3) Methods and Pharmaceutical Composition for the Treatment of Disorders or Diseases associated with Ryanodine Receptor Dysfunction A. Lacampagne, J-M. Galano, C. Oger, J. Thireau, S. Matecky, H. Dridi, J. Roy, V. Bultel-Ponce, A. Guy, T. DURAND, J-Y. Le Guennec European Patent 23 June 2014-EP14305977.2; PCT Int. Appl. (2015), WO 2015197562 A1 20151230.
- 4) Lipopeptide compound and treatment of pain disorder N. Cenac, E Oswald, T. DURAND, A. Guy, J-M. Galano EP17305481.8, 28 April 2017

Selected ten Publications since 2013

- 1) Synthesis, Discovery and Quantitation of dihomo-Isofurans: Novel Biomarkers of in Vivo Adrenic Acid Peroxidation A. de la Torre; Y.Y. Lee; P.T Sangild; T. DURAND; J.C-Y. Lee, J-M. Galano *Angewandt Chem. Int. Ed.* **2014**, 24, 6249-6252.
- 2) A versatile and stereocontrolled total synthesis of dihydroxylated DocosaHexaenoic Acid (DHA) metabolites containing a conjugated E,E,Z-triene. G. Dayaker, T.DURAND and L. Balas *Chem. Eur. J.* **2014**, 20, 2879-2887.
- 3) Non-enzymatic oxygenated of alpha-linolenic acid B₁- and L₁-Phytoprostanes protect immature neurons from oxidant injury and promote differentiation of oligodendrocytes progenitors through PPAR-gamma activation L. Minghetti, R. Salvi, M. Lavinia Salvatori, M. A. Ajmone-Cat, C. De Nuccio, S. Visentin, V. Bultel-Poncé, C. Oger, A. Guy, J-M. Galano, A. Greco, T. DURAND *Free Radic. Biol. Med.* **2014**, 73, 41-50.
- 4) Neuroprostanes are responsible for fish oil anti-arrhythmic properties. J. Roy, C. Oger, J. Thireau, J. Roussel, O. Mercier-Touzet, D. Faure, E. Pinot, C. Farah, D. F. Taber, J-P. Cristol, J. C.Y. Lee, A. Lacampagne, J-M. Galano, T. DURAND, J-Y. Le Guennec *Free Rad Biol Med* **2015**, 86, 269-278.
- 5) Synthesis and discovery of phytofurans: metabolites of alpha-linolenic acid peroxidation C. Cuyamendous, K.S. Leung, T. DURAND, J. C. Y. Lee, C. Oger, J-M. Galano *Chem Comm.* **2015**, 51, 15696-15699.
- 6) Simultaneous quantitative profiling of 20 isoprostanoids fromme-a and omega-6 polyunsaturated fatty acids by LC-MS/MS in various biological samples A. Dupuy, P. Le Faouder, C. Vigor, C. Oger, J-M. Galano, C. Dray, J. C. Y. Lee, P Valet, C. Gladine, T. DURAND, J. Bertrand-Michel *Anal Chim Acta.* **2016**, 921, 46-58.
- 7) Regiocontrolled syntheses of FAHFAs and LC-MS differentiation of regiosomers L. Balas, J. Bertrand-Michel, F. Viars, J. Faugere, C. Lefort, S. Caspar-Bauguil, D. Langin, T. DURAND *Org Biomol Chem* **2016**, 14, 9012-9020.
- 8) Identification of an analgesic amino-lipid produced by the probiotic Escherichia coli strain Nissle 1917 T. Pérez-Berezo, J. Pujo, P. Martin, P. Le-Faouder, J-M. Galano, A. Guy, Cl. Knauf, S. Tronnet, F. Barreau, M. Heuillet, G. Dietrich, J. Bertrand-Michel, T. DURAND, J-C. Tabet, E. Oswald, and N. Cenac. *Nat. Comm.* **2017**, 8, 1314.
- 9) Isoprostanes, Neuroprostanes, Phytoprostanes. An Overview of 25 Years of Research in Chemistry and Biology J-M. Galano, Y. Y. Lee, C. Oger, C. Vigor, J. Vercauteren, T. DURAND, M. Giera, J. C-L. Lee *Prog Lipid Res* **2017**, 68, 83-108.
- 10) Nrf2-mediated Antioxidant Defense and Peroxiredoxin 6 are Linked to Biosynthesis of Palmitic Acid Ester of 9-Hydroxystearic Acid O. Kuda, M. Brezinova, J. Silhavy, V. Landa, V. Zidek, C. Dodia, F. Kreuchwig, M. Vrbacky, L. Balas, T. DURAND, N. Hubner, A. B. Fisher, J. Kopecky, M. Pravenec *Diabetes*, 2018, **67**, 1190-1197

Fundings : NIH (2009), INRA-Grant Alim-H – (2009-2011), PEP-II-CNRS (2011-2012), Caudalie (2012-219), BUSR-UM1 (2014-2015), FRM (2012-2014), INCA (2014-2017), PIVERT (2014-2017), EMBRC (2015, 2017), INSERM-Transfert (2015-2016), IRPF (2015-2016), JPI-H2020 (2016-2019), PICS (2016-2019), SATT AxLR (2018), SATT (AxLR (2018-2019), CANCEROPOLE-GSO (2018-2019), ANR (2018-2022), ANR (2018-2022), INCa (2018-2022), MUSe (2018)