

Curriculum Vitae – Jérôme LAMARTINE

Birth: Nov 17th, 1968. French. Married, 3 child

UMR5305 LBTI CNRS, Université Claude Bernard Lyon I Tel: 33 (0)4-72722666;

Fax: 33 (0)4-72722604

IBCP - 7 passage du Vercors. 69367 Lyon Cedex 07

Email: Jerome.lamartine@univ-lyon1.fr

EDUCATION

- 2004** Habilitation to Direct Research (HDR), Evry Val d'Essonne Univ, Evry
- 1992-96** PhD, IARC & Claude Bernard Univ, Lyon
- 1991** Master 2 in Differentiation, Genetics & Immunology, Claude Bernard Univ, Lyon
- 1988-92** Student-Professor Ecole Normale Supérieure, Lyon

POSITIONS AND EMPLOYMENT

Academic Appointments

2005-present Professor of Genetics, Claude Bernard Univ, Lyon

1997-2005 Assistant-Professor (Maître de Conférences) in Molecular Biology, Evry Val d'Essonne Univ, Evry

Research experience

- 2017-** Head of the "Epigenetics and Skin Aging" project. Laboratory for Tissue Biology and Therapeutic Engineering UMR5305 LBTI Lyon
- 2006-2016** Head of the research group "Epidermis, Stress & Differentiation". UMR5534 CGphiMC Lyon
- 2000-2006** Research scientist in Functional Genomics Laboratory, CEA. Evry
- 1997-2000** Research scientist in Genethon, CNRS URA1922. Evry
- 1996-1997** Post-doctoral Scientist- Lab of Molecular Neurogenetics (Dr A. Vandenberghe) – Faculty of Pharmacy. Lyon
- 1995-1999** Undergrad./grad. Research, Dr Gilbert Lenoir lab. International Agency for Research on Cancer (IARC), Lyon

PUBLICATIONS

Most recent and other relevant publications - chronological (original papers)

Muther C, Jobeili L, Garion M, Heraud S, Thepot A, Damour O, Lamartine J. An expression screen for aged-dependent microRNAs identifies miR-30a as a key regulator of aging features in human epidermis. *Aging* (Albany NY). 2017 Nov 19;9(11):2376-2396

Barbollat-Boutrand L, Thepot A, Muther C, Boher A, Robic J, Guéré C, Vié K, Damour O, Lamartine J. Repeated short climatic change affects the epidermal differentiation program and leads to matrix remodeling in a human organotypic skin model. *Clin Cosmet Investig Dermatol*. 2017 Feb 13;10:43-50.

Barbollat-Boutrand L, Joly-Tonetti N, Dos Santos M, Metral E, Boher A, Masse I, Berthier-Vergnes O, Bertolino P, Damour O, Lamartine J. microRNA-23b-3p regulates human keratinocyte differentiation through repression of TGIF1 and activation of the TGF- β - SMAD2 signaling pathway. *Exp Dermatol*. 2017 Jan;26(1):51-57

Agaësse G, Barbollat-Boutrand L, Sulpice E, Bhajun R, El Kharbili M, Berthier-Vergnes O, Degoul F, de la Fouchardière A, Berger E, Voeltzel T, Lamartine J, Gidrol X and Masse I. A large-scale RNAi screen identifies LCMR1 as critical regulator of Tspan8-mediated melanoma invasion. *Oncogene*. 2017 Aug 31;36(35):5084.

Pacini L, Savini C, Ghittoni R, Saidj D, Lamartine J, Hasan UA, Accardi R, Tommasino M. Downregulation of Toll-Like Receptor 9 Expression by Beta Human Papillomavirus 38 and Implications for Cell Cycle Control. *J Virol*. 2015 Nov;89(22):11396-405.

Baraut J, Farge D, Jean-Louis F, Masse I, Grigore EI, Arruda LC, Lamartine J, Verrecchia F, Michel L. Transforming growth factor- β increases interleukin-13 synthesis via GATA-3 transcription factor in T-lymphocytes from patients with systemic sclerosis *Arthritis Res Ther*. 2015 Jul 31;17:196.

Masse I, Barbolat-Boutrand L, El Kharbili M, Berthier-Vergnes O, Joly-Tonetti N, Aubert D, Lamartine J. GATA3 inhibits proliferation and induces expression of both early and late differentiation markers in keratinocytes of the human epidermis. *Arch Dermatol Research* 2014; 306(2) : 201-218.

Joly-Tonetti N, Vinuelas J, Gandrillon O, Lamartine J. Differential miRNA response in proliferating or differentiated keratinocytes in response to gamma irradiation. *BMC Genomics*. 2013; 16;14(1):184.

Masse I., Barbolat-Boutrand L, Molina M, Berthier-Vergnes O, Joly-Tonetti N, Martin MT, Caron de Fromentel L, Kanitakis J, Lamartine J. Functional interplay between p63 and p53 controls RUNX1 function in the transition from proliferation to differentiation of human keratinocytes. *Cell Death Dis*. 2012; 7;3:e318

Cornet I, Bouvard V, Saveria Campo M, Thomas M, Banks L, Gissman L, Lamartine J, Sylla BS, Accardi R and Tomasino M. E6 and E7 from beta HPV49 and High-risk HPV16 displays similar properties in promoting cellular transformation. *J Virol*. 2012; 86(4):2366-70.

Wu N, Rollin J, Masse I, Lamartine J, Gidrol X. p63 regulates human keratinocyte proliferation via a MYC-regulated gene network and differentiation commitment through a cell adhesion-related network. *J Biol Chem*. 2012; 287(8):5627-38

Berthier-Vergnes O., El Kharbili M, de la Fouchardière A, Pointecouteau T, Wierinckx A, le Naour F, Lamartine J. (2011). Gene expression profiles of human melanoma cells with different invasive potential reveal TSPAN8 as a novel mediator of invasion. *Br J Cancer*. 2011;104(1):155-65.

Bonin F, Molina M, Malet C, Ginestet C, Berthier O, Martin M, Lamartine J. (2009) GATA3 is a master regulator of the transcriptional response to low-dose ionizing radiation. *BMC Genomics* 2009, **10**:417

Vigano MA, Lamartine J, Testoni B, Merico D, Alotto D, Castagnoli C, Robert A, Candi E, Melino G, Gidrol X, Mantovani R. (2006). New p63 targets in keratinocytes identified by a genome-wide approach. *EMBO J*. Nov 1;25(21):5105-16.

Lamartine J. (2006) The benefit of DNA microarray in fundamental and applied biomedicine. *Material Science & Engineering C*., 26, 354-

Lemaitre G., Sivan V., Lamartine J. & Martin M. (2006) GJB6, a new marker of hyperproliferative epidermis. *Br J Dermatol*. Oct;155(4):844-6.

Franco N, Lamartine J, Frouin V, Le Minter P, Petat C, Leplat JJ, Libert F, Gidrol X, Martin MT. (2005). Low-dose exposure to gamma rays induces specific gene regulations in normal human keratinocytes. *Radiat Res*. Jun;163(6):623-35.

Lamartine J, Franco N, Le Minter P, Soularue P, Alibert O, Leplat JJ, Gidrol X, Waksman G,

Martin MT. (2005). Activation of an energy providing response in human keratinocytes after gamma irradiation. *J Cell Biochem.* Jun 1;95(3):620-31.

Essenfelder GM, Larderet G, Waksman G, Lamartine J. (2005). Gene structure and promoter analysis of the human GJB6 gene encoding connexin 30. *Gene* Apr 25;350(1):33-40.

Baghdoyan S, Lamartine J, Castel D, Pitaval A, Roupioz Y, Franco N, Duarte M, Martin MT, Gidrol X. (2005). Id2 reverses cell cycle arrest induced by {gamma}-irradiation in human HaCaT keratinocytes. *J Biol Chem.* Apr 22;280(16):15836-41.

Lemaitre G, Lamartine J, Pitaval A, Vaigot P, Garin J, Bouet S, Petat C, Soularue P, Gidrol X, Martin MT, Waksman G. (2004). Expression profiling of genes and proteins in HaCaT keratinocytes: proliferating versus differentiated state. *J Cell Biochem.* Nov 15;93(5):1048-62.

Munhoz-Essenfelder G, Bruzzone R, Lamartine J, Charolais A, Blanchet-Bardon C, Meda P, Waksman G. (2004) Connexin30 mutations responsible for Hidrotic Ectodermal Dysplasia cause abnormal hemichannel activity. *Hum Mol Genet* Aug 15;13(16):1703-14.

Lamartine J. Towards a new classification of Ectodermal Dysplasia. *Clin Exp Dermatol.* 2003 Jul;28(4):351-5.

Lamartine J, Munhoz Essenfelder G, Kibar Z, Lanneluc I, Callouet E, Laoudj D, Lemaitre G, Hand C, Hayflick SJ, Zonana J, Antonarakis S, Radhakrishna U, Kelsell DP, Christianson AL, Pitaval A, Der Kaloustian V, Fraser C, Blanchet-Bardon C, Rouleau GA, Waksman G. Mutations in GJB6 cause hidrotic ectodermal dysplasia. *Nature Genetics.* 2000 Oct;26(2):142-144.

Lamartine J, Pitaval A, Soularue P, Lanneluc I, Lemaitre G, Kibar Z, Rouleau GA, Waksman G. A 1.5-Mb physical map of the hidrotic ectodermal dysplasia (Clouston syndrome) gene region on human chromosome 13q11. *Genomics.* 2000 Jul 15;67(2):232-6.