

Institute for In Vitro Sciences, Inc  
30 W Watkins Mill Road #100  
Gaithersburg, Maryland 20878

**Curriculum Vitae**  
**Méry Marimoutou**

**Education**

**2014** Ph.D. in Biochemistry and Cellular Biology University of La Réunion, France

**2011** M.S. Life Sciences, University of La Réunion, La Réunion, France

**2007** B. Chemistry and Physics Sciences, University of La Réunion, France

**Experience**

**2021 – Present** **Toxicologist I / Study Director – Institute for In Vitro Sciences, Inc.**

Assist commercial clients in developing appropriately in vitro toxicology programs for their products. Manage laboratory personnel and schedules to ascertain the timely completion of projects. Assures strict adherence to current protocols, SOPs, GLPs, and client-specific documents, as required. Prepare regulatory compliant written reports of the study methods, results, and interpretations. Produce manuscripts based on R&D projects and in collaboration with clients.

**2020 – 2021** **Staff scientist – University of Alabama in Birmingham**

Under the direction of the principal investigator Dr. Nanda, at the Division of Pulmonary and Critical Care Medicine, Baltimore, MD. Design and develop a research project to study molecule and genetic underpinnings of atherosclerosis. Manage laboratory personnel, equipment, supplies, and resources.

**2019 – 2020** **Postdoctoral Researcher – Johns Hopkins University**

Under the direction of the principal investigators Dr. Rachel Damico and Dr. Paul Hassoun, at the Division of Pulmonary and Critical Care Medicine, Baltimore, MD. Study of the effect of endostatin on BMPR2 expression in human lung microvascular endothelial cells in the context of pulmonary arterial hypertension.

**2016 – 2019** **Postdoctoral Fellow – National Institutes of Health**

Under the direction of the principal investigator: Dr. Rodney Levine. Generation of mice with a methionine sulfoxide mimic in place of methionine 77 in calmodulin and study of the binding protein partners of the mutant calmodulin and its physiological functions.

**Professional Memberships**

2020 – 2021      American Thoracic Society

2013 – 2016      SFRBM

**Published manuscripts**

- Vivek S Patel, Khalid Amin, Adam Wahab, Méry Marimoutou, Lindsey Ukishima, Jose Alvarez, Kelley Battle, Andreas O Stucki, Amy J Clippinger, Holger P Behrsing, *Toxicological Sciences*, 2023, **191 (2)**

- Goyanes A., Moldobaeva A., Marimoutou M., Varela L., Wang L., Johnston L., Aladdin M., Peloquin A., Kim B., Damarla M., Suresh K., Sato T., Kolb T., Hassoun P., Damico R., Functional Impact of Human Genetic Variants of COL18A1/Endostatin on Pulmonary Endothelium, *American Journal of Respiratory Cell and Molecular Biology*, 2020, **62(4)**

- Marimoutou M., Springer D. A., Liu C., Kim G., Levine R. L., Oxidation of Methionine 77 in Calmodulin Alters Mouse Growth and Behavior. *Antioxidants*, 2018, **7(10)**

- Marimoutou M., Le Sage F., Smadja J., Lefebvre d’Hellencourt C., Gonthier M.-P., Robert-Da Silva C. Antioxidant polyphenol-rich extracts from the medicinal plants *Antirhea borbonica*, *Doratoxylon apetalum* and *Gouania mauritiana* protect 3T3-L1 preadipocytes against H<sub>2</sub>O<sub>2</sub>, TNF $\alpha$ , and LPS inflammatory mediators by regulating the expression of superoxide dismutase and NF- $\kappa$ B genes. *Journal of inflammation*, 2015, **12:10**

- Nativel B., Marimoutou M., Thon-Hon V., Gunasekaran M.-K, Andries J., Stanislas G., Planesse C., Robert-Da Silva C., Cesari M., Iwema T., Gasque P., Viranaicken W. Soluble HMGB1 is a novel adipokine stimulating IL-6 secretion through RAGE receptor in sw872 cell line: Contribution to chronic inflammation in fat tissue. *PLoS One*, 2013, **8(9): e7603**

**Posters**

-Behrsing H., Marimoutou M., Amin K., Stucki A., Clippinger A.J., Wahab A., Ukishima L., Patel V.S., Society Of Toxicology, California, USA.

- Marimoutou M., Levine R, Kim G.A Mouse Model of Calmodulin Oxidatively Modified by Methionine Sulfoxide Reductase A, NIH/NHLBI BBC fellow seminar, 05/20/2019, Oral communication - Marimoutou M., Levine R., Kim G. Generation of a Mouse with a Methionine

## **Méry Marimoutou**

Page 3 of 3

Sulfoxide Mimic in Place of Met77 in Calmodulin. Gordon Research Conferences 2018, Spain, Europe.

- Marimoutou M., Levine R., Kim G. Generation of a Mouse with a Methionine Sulfoxide Mimic in Place of Met77 in Calmodulin. SFRBM 2018, Chicago, USA. Poster - Marimoutou M., Levine R., Kim G. Generation of a Mouse with a Methionine Sulfoxide Mimic in Place of Met77 in Calmodulin, NHLBI festival 2017, Bethesda, USA.

- Marimoutou M., Levine R., Kim G. Generation of a Mouse with a Methionine Sulfoxide Mimic in Place of Met77 in Calmodulin. SFRBM 2017, Baltimore, USA.

- Marimoutou M., Levine R., Kim G. Generation of a Mouse with a Methionine Sulfoxide Mimic in Place of Met77 in Calmodulin. SFRBM 2016, San Francisco, USA.