

CV of ANDRIANTSITOHAINA Ramaroson

DR1-Director of Research 1ère classe

Institut National de la Santé et de la Recherche Médicale - INSERM

INSERM U1046 Physiologie Médecine Expérimentale

Team : Extracellular vesicles and metabolic Diseases

Head of the team : Carmen Martinez

Montpellier France

Education

- 1986: Doctor of Pharmacy (PharmD), University Strasbourg (France)
- 1987: Master in Molecular and Cellular Pharmacology, University Strasbourg (France)
- 1990: PhD in Molecular and Cellular Pharmacology, University Strasbourg (France)
- 1990-1992: Post-doctoral position at the Oregon Health Sciences University, Vollum Institute, Portland, Oregon USA.
- 1998: Habilitation à diriger des Recherches (University Strasbourg, France)

Past Professional positions and members:

Director of « Stress Oxydant et Pathologies Métaboliques » INSERM U1063 Angers

Director of Federative Structure of Research « Intéractions Celulaires et Applications Thérapeutiques » 4208 Angers (2012-2013)

Director of Platform « Centre d'Imageries Appliquées à la Biologie et Médecine » Angers (2010-2013)

Vice-Director of Federative Institute of Research (IFR) « Intéractions Celulaires et Applications Thérapeutiques » 132 (Angers) 2007-2011

Member of Specialized Scientific Committee n° 3 of INSERM (2017-2021)

Member of Specialized Scientific Committee n° 4 and n° 7 of INSERM (2003-2008)

Member of Expert Committee HCERES 2016-2017

Member of ISEV (2012-ongoing)

Member of European Association for the study of Diabetes (2018-ongoing)

Member of Cardiovascular Committee of Fondation de France (2007-2012)

Member of the European Council of Cardiovascular Research since 2008

Member of Administrative Board of « Groupe de Réflexion sur la Recherche Cardiovasculaire » (2001 – 2006)

Member of Neurex (2002-2005)

Member of Administrative Board of the University of Strasbourg (1998-2002)

Member of Expert Board of ANR Génopat 2008

Member of Expert Board AERES 2008 and 2009

Organisation of Meetings

Organizer of the Symposium “Therapeutic targets for treating/preventing insulin resistance and cardiometabolic complications” in the 17th World Congress of Basic & Clinical Pharmacology, 13-18 July 2014, Cape Town, South Africa.

Member of the Organizer Committee of the International Conference on Polyphenols and Health (ICPH), 27-30 October 2015 Tours France

Field of scientific interest:

Key words: cardiovascular pathophysiology and pharmacology, microparticles, exosomes, endothelium, endothelial dysfunction, nitric oxide (NO), reactive oxygen species, polyphenols.

236 publications; 4 patents; H-index = 56

5 most relevant publications during the last five years:

1. Milbank E, Dragano NRV, González-García I, Garcia MR, Rivas-LimeresV, Perdomo L, Hilairet G, Ruiz-Pino F, Mallegol P, Morgan DA, Iglesias-Rey R, Contreras C, Vergori L, Cuñarro J, Porteiro B, Gavaldà-Navarro A, Oelkrug R, Vidal A, Roa J, Sobrino T, Villarroya F, Diéguez C, Nogueiras R, García-Cáceres C, Tena-Sempere M, Mittag J, Martínez M.C., Rahmouni K, Andriantsitohaina R, López M. Small extracellular vesicle-mediated targeting of hypothalamic AMPK α 1 corrects obesity through BAT activation. **Nat Metab** 2021 (in press) co-last and co-corresponding author RA & M. IF 13.51
2. Perdomo L, Vidal-Gómez X, Soleti R, Vergori L, Duluc L, Chwastyniak M, Bissierier M, Le Lay S, Villard A, Simard G, Meilhac O, Lezoualc'h F, Khantalin I, Veerapen R, Dubois S, Boursier J, Henni S, Gagnadoux F, Pinet F, Andriantsitohaina R*, Martínez MC*; Metabol study Group. Large extracellular vesicle-associated Rap1 accumulates in atherosclerotic plaques, correlates with vascular risks and is involved in atherosclerosis. **Circ Res.** 2020;127:747-760. IF 17.367
3. Extracellular vesicles in metabolic syndrome. Martínez MC, Andriantsitohaina R. **Circ Res.** 2017;120(10):1674-1686. doi: 10.1161/CIRCRESAHA.117.309419. IF 17.367
4. Safiedeen Z, Rodríguez-Gómez I, Vergori L, Soleti R, Vaithilingam D, Douma I, Agouni A, Leiber D, Dubois S, Simard G, Zibara K, Andriantsitohaina R, Martínez MC. Temporal Cross Talk Between Endoplasmic Reticulum and Mitochondria Regulates Oxidative Stress and Mediates Microparticle-Induced Endothelial Dysfunction. **Antioxid Redox Signal.** 2017 Jan 1;26(1):15-27. doi: 10.1089/ars.2016.6771. IF 6.5
5. Extracellular vesicles: Pharmacological modulators of the peripheral and central signals governing obesity. Milbank E, Martinez MC, Andriantsitohaina R. **Pharmacol Ther.** 2016;157:65-83. doi: 10.1016/j.pharmthera.2015.11.002. IF 12.31