

Short Curriculum Vitae

Regina Menezes Echaniz

Regina Menezes scientific career began with a degree in Biological Sciences. After obtaining a MSc degree in Genetics by Federal University of Rio de Janeiro, in 1997 she was awarded a German fellowship from DAAD to develop the PhD studies at Heinrich-Heine Duesseldorf University. In 2002, she was awarded a PhD in Genetics by UFRJ and moved to Portugal as a Post-Doc researcher (2003-2012). In 2013, R. Menezes integrated an European consortium to design a yeast-based platform for the screening of dietary bioactives targeting pathological protein aggregation. In 2016, she redirected her research interests to the diabetes field and was awarded several prizes and grants (such as the Nuno Castelo Branco Prize from the Portuguese Diabetology Society, Research Grants by FCT and in the framework of iNova4Health Internal Collaborative Projects) to investigate the molecular mechanisms underlying loss of beta-cell mass in diabetes, particularly IAPP aggregation, and pancreatic cells transdifferentiation. In parallel, she is interested in the health-promoting attributes of dietary (poly)phenol towards the modulation of these processes. Since 2020, she has been Assistant Professor at School of Health Sciences and Technologies (ECTS) of Lusophone University of Humanities and Technologies and Principal Investigator at CBIOS_Research Center for Biosciences & Health Technologies. Her team is currently composed of 5 researchers including Senior Researchers, Post-Docs and PhD/MSc students. Her career achievements include: participation in 16 research projects; 54 papers; 3 book chapters; h-index of 21 (Scopus, counting over 5222 citations); 20 oral communications in scientific meetings; over 80 poster presentations; and 7 meetings organization. As recognition of her scientific path, she has also been invited as Reviewer and Guest Editor by prestigious journals and as Evaluator Expert by International Scientific Agencies. Her main academic activities include: the supervision of 13 Post-Docs, PhDs and MScs (9 concluded); the participation in PhD, MSc and BSc juris (over 20); the coordination and teaching of Microbiology at ECTS; and the contribution, as Invited Professor, to the MolBioS ITQB PhD Program (2003- 2018) and to the Integrated Master Degree in Medicine at Nova Medical School (2020-2022).

Identification

Author identifiers

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Knowledge fields

Medical and Health Sciences - Health Sciences - Nutrition, Dietetics Natural sciences -

Biological Sciences - Molecular Biology

Natural sciences - Biological Sciences - Microbiology

Affiliation

2020/12/01 - Current

Category: Principal Investigator

Host institution/organization: Universidade Lusófona de Humanidades e Tecnologias

Centro de Investigação em Biociências e Tecnologias da Saúde, Portugal

2019/02/01 - Current

Category: Visiting Researcher

Host institution/organization: iNOVA4Health, Universidade Nova de Lisboa, Portugal

2018/09/01 - 2020/11/30

Category: Contracted Researcher

Host institution/organization: iNOVA4Health, Portugal (...)

Selected Publications

- Rosado-Ramos, Rita; Poças, Gonçalo M.; Marques, Daniela; Foito, Alexandre; M. Sevillano, David; Lopes-da-Silva, Mafalda; Gonçalves, Luís G.; et al. "Genipin prevents alpha-synuclein aggregation and toxicity by affecting endocytosis, metabolism and lipid storage". *Nature Communications* 14 1 (2023): <http://dx.doi.org/10.1038/s41467-023-37561-2>.
- Ana Marta de Matos; Regina Menezes. "The (Poly)phenol-Carbohydrate Combination for Diabetes: Where Do We Stand?". *Nutrients* (2023): <https://doi.org/10.3390/nu15040996>.
- Raimundo, Ana F.; Ferreira, Sofia; Pobre, Vânia; Lopes-da-Silva, Mafalda; Brito, José A.; dos Santos, Daniel J. V. A.; Saraiva, Nuno; dos Santos, Cláudia N.; Menezes, Regina. "Urolithin B: Two-way attack on IAPP proteotoxicity with implications for diabetes". *Frontiers in Endocrinology* 13 (2022): <http://dx.doi.org/10.3389/fendo.2022.1008418>.
- Regina Menezes; Paulo Matafome; Marisa Freitas; María-Teresa García-Conesa. "Updated Information of the Effects of (Poly)phenols against Type-2 Diabetes Mellitus in Humans: Reinforcing the Recommendations for Future Research". *Nutrients* (2022): <https://doi.org/10.3390/nu14173563>.
- Ana F. Raimundo; Sofia Ferreira; Francisco A. Tomás-Barberán; Cláudia N. Santos; Regina Menezes. "Urolithins: Diet-Derived Bioavailable Metabolites to Tackle Diabetes". *Nutrients* 13 12 (2021): 4285-4285. <https://doi.org/10.3390/nu13124285>.
- Rita Rosado-Ramos; Joana Godinho-Pereira; Daniela Marques; Inês Figueira; Tiago Fleming Outeiro; Regina Menezes; Cláudia Nunes dos Santos. "Small Molecule Fisetin Modulates Alpha-Synuclein Aggregation". *Molecules* (2021): <https://doi.org/10.3390/molecules26113353>.
- Regina Menezes; Alexandre Foito; Carolina Jardim; Inês Costa; Gonçalo Garcia; Rita Rosado-Ramos; Sabine Freitag; et al. "Bioprospection of Natural Sources of Polyphenols with Therapeutic Potential for Redox-Related Diseases". *Antioxidants* 9 9 (2020): 789-789. <https://doi.org/10.3390/antiox9090789>.
- Ana Filipa Raimundo; Sofia Gravanita Ferreira; Cláudia Nunes dos Santos; Regina Menezes. "Heterologous expression of immature forms of human IAPP in yeast triggers intracellular aggregation and cytotoxicity". *Frontiers in Microbiology* 11 (2020): <http://dx.doi.org/10.3389/fmicb.2020.02035>
- Raimundo, Ana F.; Ferreira, Sofia; Martins, Ivo C.; Regina Menezes. "Islet Amyloid Polypeptide: A Partner in Crime With Aβ in the Pathology of Alzheimer's Disease". *Frontiers in Molecular Neuroscience* 13 (2020): <http://dx.doi.org/10.3389/fnmol.2020.00035>.
- Raimundo, Ana F.; Félix, Filipa; Andrade, Rita; García-Conesa, María-Teresa; González-Sarrías, Antonio; Gilsa-Lopes, João; do Ó, Dulce; et al. "Combined effect of interventions with pure or enriched mixtures of (poly)phenols and anti-diabetic medication in type 2 diabetes management: a meta-analysis of randomized controlled human trials". *European Journal of Nutrition* (2020): <http://dx.doi.org/10.1007/s00394-020-02189-1>.