



SAMIR CAVALCANTE

Pharmacist and Patent Specialist

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PRACTICE AREAS

- Patents
- Prosecution
- Life Sciences
- Food & Drugs

LANGUAGES

- Portuguese
- English

BIOGRAPHY

Samir Cavalcante joined Licks Attorneys' Office in Rio de Janeiro in 2020. Dr. Cavalcante previously worked with Licks Attorneys as technical advisor in lawsuits involving chemical patents and patent applications. He has been working with different national and international institutions on design and synthesis of Active Pharmaceutical Ingredients and Chemical Defense.

PROFESSIONAL HIGHLIGHTS

- OPCW (Organisation for the Prohibition of Chemical Weapons) Fellow at Spiez NBC Laboratory (Switzerland, 2012, Organic Synthesis) and at VERIFIN/University of Helsinki (Finland, 2016, Nuclear Magnetic Resonance);
- "OPCW Qualified Expert" Team Member, 2014;
- Recipient of "OPCW Research Project Support" Programme (development of cholinesterase reactivators and reversible inhibitors, 2016-2018);
- Lecturer in courses on Chemical Defense and Toxicology organized by OPCW, Brazilian Army and Air Force (Galeão Air Base Hospital), 2014-2019;
- Brazilian Representative in "OPCW & TWAS Science and Diplomacy Meeting" (Trieste, 2017);
- Reviewer for JCR-indexed scientific journals and books: Elsevier Books (2020), Journal of the Brazilian Chemical Society (2020-), Chemico-Biological Interactions (2019-), Archives of Toxicology (2018-), Food and Chemical Toxicology (2018-), Current Neuropharmacology (2016-);
- Awarded with "Individual Inventor of the Year" Prize, Brazilian Army Agency for Technological Innovation – AGITEC, 2019;
- Inventor of two patents on novel active pharmaceutical ingredients (design and synthesis of cholinesterase reactivators and inhibitors and uses thereof; patents pending).

EDUCATION

- PhD in Organic Synthesis & Medicinal Chemistry, Federal University of Rio de Janeiro (UFRJ), 2018;
- M.Sc. in Organic Synthesis, Federal University of Rio de Janeiro (UFRJ), 2006;
- Bachelor Degree in Pharmacy, Federal University of Rio de Janeiro (UFRJ), 2003.

PUBLICATIONS

- Author or co-author of the following publications, amongst others:
- “Quantum mechanical reference spectrum simulation for precursors and degradation products of chemicals relevant to the Chemical Weapons Convention” (Magnetic Resonance in Chemistry 2020, doi: 10.1002/mrc.5090), “Acetylcholinesterase: The ‘Hub’ for Neurodegenerative Diseases and Chemical Weapons Convention” (Biomolecules 2020, doi: 10.3390/biom10030414);
- “Nerve Agents’ Surrogates: Invaluable Tools for Development of Acetylcholinesterase Reactivators” (Current Organic Chemistry 2019, doi: 10.2174/1385272823666190806114017).
For full list of publications, please refer to ORCID: <https://orcid.org/0000-0002-3478-2747>.