CV (António Rocha Paulo)

1. Education

1986 Graduation in Chemical Engineering, Instituto Superior Técnico, Universidade Técnica de Lisboa

1998 PhD in Chemistry, Instituto Superior Técnico, Universidade Técnica de Lisboa

2. Work Experience

From February 2006 - Principal Investigator, Radiopharmaceutical Sciences Group, C^2TN - Centro de Ciências e Tecnologias Nucleares, Instituto Superior Técnico (IST), Universidade de Lisboa.

1998-2006 - Auxiliary researcher, Instituto Tecnológico e Nuclear (ITN) (now IST/CTN).

1991-1998 - Assistant Researcher, ITN (now IST/CTN).

1988-1991 - Trainee Researcher, ITN (now IST/CTN).

1987-1988 - Military Service, RAA, Queluz.

1986-1987 - *Grant fellowship*, ITN (now IST/CTN).

3. Thesis

PhD thesis: "Poli-hidretos e Oxo-complexos de Rénio com Boratos de Poli(pirazolilo" **(**"Polyhydride and Oxocomplexes of Rheniun with poly(pyrazolyl) borates"

4. Publications (10 more recent and/or relevant)

Patents

1. A. Paulo, I. Santos, New tridentate chelators of the type tris(pyrazolyl)methane, and bis(pyrazolyl)amine for preparing a tricarbonyl complex a radioisotope of technetium useful for preparing myocardial imaging composition, US2013131327-A1 (among a total of **3** co-authored patents).

Publications in international journals with referees – *citations*

1. Zambre, A.; Silva, F.; Upendran A.; Afrasiabi, Z.; Xin, Y.; Paulo, A.; Kannan, R. Synthesis and characterization of functional multicomponent nanosized gallium chelated gold crystals. *Chem. Commun.* **2014,** 50, 3281-3284 (IF 6.718).

2. Moura, C..; Mendes, F.; Gano, L., Santos, I.; A. Paulo. Mono- and dicationic Re(I)/Tc-99m(I) tricarbonyl complexes for the targeting of energized mitochondria. *J. Inorg. Biochem* **2013**, 123, 34-45 (IF 3.274, citations: 2).
3. Morais, G. R., Paulo A., Santos, I. Organometallic Complexes for SPECT Imaging and/or Radionuclide Therapy, *Organometallics* **2012**, *31*, 5693-5714 (IF 4.253, citations: 11).
4. Moura, C.; Gano, L.; Mendes, F.; Raposinho, P. D.; Abrantes, A.M.; Botelho, M.F.; Santos, I., A. Paulo, ^{99m}Tc(I)/Re(I) tricarbonyl complexes for in vivo targeting of melanotic melanoma:Synthesis and biological evaluation, *Eur. J. Med. Chem.* **2012**, 50, 350-360 (IF 3.432, citations: 6).
5. Esteves, T.; F. Marques, A. Paulo, J. Rino, P. Nanda, C. J. Smith, I. Santos, Nuclear targeting with cells specific multifunctional tricarbonyl M(I) (M is Re, ^{99m}Tc) complexes: synthesis, characterization, and cell studies, *J. Biol. Inorg. Chem.* **2011**, *16*, 1141–1153 (IF 3.274, citations: 11).
6. Goethals, L. R.; Santos, I.; Caveliers, V.; Paulo, A.; De Geeterb, F.; Gano, L.; Fernandes, C.; Lahoutte, T. Rapid hepatic clearance of ^{99m}Tc-TMEOP: a new candidate for myocardial perfusion imaging, *Contrast Media Mol. Imaging* **2011**, *6*, 178-188 (IF 3.333, citations: 6).
7. Garcia, R.; Fouskova P., Gano, L.; Paulo, A.; Campello, P.; To´th, E.; Santos, I. A quinazoline-derivative DOTA-type gallium(III) complex for targeting epidermal growth factor receptors: synthesis, characterisation and biological studies, *J Biol Inorg Chem* **2009**, 14:261–271 (IF 3.274, citations: 8).
8. Maria, L.; Cunha, S.; Videira M.; Gano L.; Paulo, A.; Santos, I. C. ; Santos, I.; Rhenium and technetium tricarbonyl complexes anchored by pyrazole-based tripods: novel lead structures for the design of myocardial imaging agents. *Dalton Trans.* **2007**, *28*, 3010-3019 (IF 4.097, citations: 31).
9. Garcia, R.; Paulo, A.; Domingos, A.; Santos, I.; Ortner, K.; Alberto, R.; Re and Tc complexes Containing B-H-M Agostic Interactions as Building Blocks for the Design of Radiopharmaceuticals. J. *Am. Chem. Soc.* **2000**, *122*, 11240-11241 (IF 11.444, citations: 79).

5. Projects

Since March 2014 - Metal-based Compounds Relevant for Nuclear Medicine Applications (Bilateral Action Portugal/Brazil, FCTCAPES), Principal Investigator, Funded with €10k.

6. Output indicators

- **71 papers** in international peer review journals
- **1 book chapter**:

A. Paulo, G. R. Morais, I. Santos, "ORGANOMETALLIC CHEMISTRY OF RHENIUM AND TECHNETIUM FUELLED BY BIOMEDICAL APPLICATIONS" (Chapter 44) Advances in Organometallic Chemistry, The Silver/Gold Jubilee ICOMC Celebratory Book, John Wiley & Sons, Inc (2014), pp. 589-604.

- **Supervisor of Master Thesis**: 4 Master thesis

  MSc fellow

  - "Multifunctional Organometallic Compounds for Auger Therapy", Annica de Barros Rosa, Graduate in Biochemistry, Faculdade de Ciências e Tecnologias, Universidade Nova de Lisboa, Since October 2013.

- **Supervisor of Doctorate Thesis**: 4 PhD thesis already aproved

  -"Rhenium and Technetium-99m Complexes with Sulfur Donor Scorpionates - Application in the Design of Radiopharmaceuticals for the targeting of Brain Receptors ", Raquel Garcia, graduated in Chemistry, Faculdade de Ciências da Univesidade de Lisboa. Grant SFRH/BD/3053/2000 (April 2001-April 2005). Presented and approved in March 2006.

  - "Rhenium(V) and Technetium(V) with N-heterocyclic Ligands for Tumour Diagnostic and Therapy" Rute Vitor, graduated in Biochemistry, Faculdade de Ciências de Lisboa. Grant/BD/6227/2001 (March 2002-March 2006), Presented and approved in February 2008.

  - "Complexos Organometálicos de Tc(I)/Re(I) para Imagiologia Molecular de Tecidos Neoplásicos", Carolina Maria Candeias de Moura, Master in Biomedical Inorganic Chemistry, Faculdade de Ciências de Lisboa. Grant SFRH/BD/38469/2007. Presented and approved in February 2011.

  PhD candidate

  - "Targeted Nanoradiopharmaceuticals for Cancer Diagnosis and/or Therapy: Synthesis, Characterization and Biological Evaluation", Francisco França Alcântara Conceição Silva, Master in Biomedical Inorganic Chemistry, Faculdade de Ciências, Universidade de Lisboa. Grant SFRH/BD/47308/2008. Since February 2009.

- **Researcher ID- citations 1136, h-index 20**

  Link for MyResearcherID (ISI) or MyCitations (Google Scholar).

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