

## CV (Célia Maria da Cruz Fernandes )

### 1. Education

- 1991 Graduate in Chemical Engineering, Instituto Superior de Engenharia de Lisboa
- 1999 MSc in Pharmaceutical Chemistry, Faculty of Pharmacy, University of Lisbon
- 2009 PhD in Pharmaceutical Chemistry, Faculty of Pharmacy, University of Lisbon.

### 2. Work Experience

**Since 2013** – Auxiliary Researcher, Centro de Ciências e Tecnologias Nucleares, Instituto Superior Técnico, Bobadela, Portugal.

**2009- 2013** - Auxiliary Researcher in the Radiopharmaceutical Sciences Group, Chemical and Radiopharmaceutical Sciences Unit, ITN.

**1999-2009** – Research Assistant, Instituto Tecnológico e Nuclear (ITN).

**1995-1999** – Research Trainee, Instituto Tecnológico e Nuclear (ITN).

**1990-1995** – Technician, Instituto Tecnológico e Nuclear (ITN).

**1986-1990** – Fellowship, Instituto Nacional de Engenharia e Tecnologia Industrial (INETI).

### 3. Thesis

- PhD thesis: “Complexos de Re e Tc e compostos iodados relevantes para a Conceção de Radiofármacos” (Prof. Isabel Santos)
- MSc degree thesis: “Complexos de  $^{99m}\text{Tc}$  com Aminoácidos e Dipéptidos” (Dr Luciana Catela Patrício and Prof Rui Moreira).

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

- Daniel Can, Bernhard Spingler, Paul Schmutz, Filipa Mendes, Paula Raposinho, Célia Fernandes, Fabrizio Carta, Alessio Innocenti, Isabel Santos, Claudiu T. Supuran, Roger Alberto. [(Cp-R)M(CO)<sub>3</sub>] (M=Re or  $^{99m}\text{Tc}$ ) Arylsulfonamide, Arylsulfamide, and Arylsulfamate Conjugates for Selective Targeting of Human Carbonic Anhydrase IX. *Angew. Chem.*, 2012, DOI:10.1002/ange.201107333. Times Cited: 24; IF (2012)= 13.743.
- Célia Fernandes, Sofia Monteiro, Patrícia Mendes, Lurdes Gano, Fernanda Marques, Sandra Casimiro, Luís Costa, João D. G. Correia, Isabel Santos. Biological assessment of novel bisphosphonate-containing  $^{99m}\text{Tc}$ /Re organometallic complexes. *Journal of Organometallic Chemistry*, Volume 760, 15 June 2014, Pages 197-204. Times Cited: 0; IF: 2.302.

- C. Neto, C. Fernandes, M. C. Oliveira, L. Gano, F. Mendes, T. Kniess, I. Santos. Radiohalogenated 4-anilinoquinazoline-based EGFR-TK inhibitors as potential cancer imaging agents. *Nucl Med Biol*, 2012, 39; 247-260 Times Cited: 4; IF (2012)= 2.517;
- L. R. Goethals, I. Santos, V. Caveliers, A. Paulo, F. De Geeter, L. Gano, C. Fernandes, T. Lahoutte, Rapid hepatic clearance of (99m)Tc-TMEOP: a new candidate for myocardial perfusion imaging, *Contrast Media Mol. Imaging*, (2011), 6, 178-188. Times Cited: 6; IF (2011)= 3.328.
- Harmel W. Peindy N'Dongo, Paula D. Raposinho, Célia Fernandes, Isabel Santos, Daniel Can, Paul Schmutz, Bernhard Spingler, Roger Alberto, Preparation and biological evaluation of cyclopentadienyl-based <sup>99m</sup>Tc-complexes [(Cp-R)<sup>99m</sup>Tc(CO)<sub>3</sub>] mimicking benzamides for malignant melanoma targeting. *Nucl Med Biol*, 2010, 37, 255-264. Times Cited: 17; IF (2010)= 2.62.
- Leonor Maria, Célia Fernandes, Raquel Garcia, Lurdes Gano, António Paulo, Isabel C. Santos, Isabel Santos, “Tris(pyrazolyl)methane <sup>99m</sup>Tc tricarbonyl complexes for myocardial imaging”, *Dalton Trans.*, 2009, 4, 603-609. DOI:10.1039/b817451b. Hot Article. Coments by P. Cooper, “Complex Matters of the Heart, *Chem. Science*, 2 (2009). Times Cited: 16; IF (2009)= 4.081.
- C. Fernandes, I. C. Santos, I. Santos, H-J. Pietzsch, J.-U. Kunstler, W. Kraus, A. Rey, N. Margaritis, A. Bourkoula, A. Chiotellis, M. Paravatou-Petsotase, I. Pirmettis, “Rhenium and technetium complexes bearing quinazoline derivatives: progress towards a <sup>99m</sup>Tc biomarker for EGFR-TK imaging”, *Dalton Trans.*, 3215–3225, (2008). Times Cited: 24; IF (2009)= 3.580.
- C. Fernandes, M. C. Oliveira, L. Gano, A. Bourkoula, I. Pirmettis, I. Santos. “Radioiodination of New EGFR Inhibitors as Potential SPECT Agents for Molecular Imaging of Breast Cancer”, *Bioorg Med Chem*, 15: 3974-3980, (2007). Times Cited: 20; IF: 2.951.
- C. Fernandes, J. D. G. Correia, L. Gano, I. Santos, S. Seifert, R. Syhre, R. Bergmann, H. Spies. Dramatic Effect of the Tridentate Ligand on the Stability of <sup>99m</sup>Tc “3+1” Oxo Complexes Bearing Arylpiperazine Derivatives. *Bioconjugate Chem*, 2005, 16; 660-668. Times Cited: 17; IF: 4.580.
- L. Adriaenssens, Q. Liu, F. Chaux-Picquet, S. Tasan, M. Picquet, F. Denat, P. Le Gendre, F. Marques, C. Fernandes, Filipa Mendes, L. Gano, M. P. C. Campello, E. Bodio, Novel Heterobimetallic Radiotheranostic: Preparation, Activity, and Biodistribution, *ChemMedChem*, 2014 Jul;9(7):1567-73. doi:10.1002/cmdc.201300494. Epub 2014 Jan 21. Times Cited: 0; IF: 3.046.

## 5. Projects

Dual Targeting Strategy for EGFR Positive Tumors. EXPL/QEQ-MED/1950/2013. Célia Fernandes (RI), Funding 49.440,00 Euros, 01-04-2014–31-03-2015, Fundação Ciência e Tecnologia (FCT).

## 6. Output indicators

- **22 papers** in international peer review journals
- **Supervisor of Master Thesis:** 2 Master thesis
- **Supervisor of Doctorate Thesis**  
Co-supervision; PhD Thesis, "Complexos de In-111 contendo péptidos específicos para o receptor estrogénico em teranóstico de cancro - Síntese e Avaliação Biológica" (SFRH/BD/84509/2012), Fundação para a Ciência e Tecnologia (FCT).
- **Researcher ID- citations 162,**  
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