

CURRICULUM VITAE

1. Name: Maria Arménia Carrondo (also as Maria Arménia A. F. de C. T. Carrondo)

Nationality: Portuguese

Birth: 31 July 1948

2. Address

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3. Academic Career

1989 - Professora Agregada at Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal

1978 - PhD in Chemical Crystallography at Imperial College of Science and Technology, University of London

4. Present Academic Position

Full Professor at Instituto de Tecnologia Química e Biológica, since January 1998.

Head of the Macromolecular Crystallography Unit and Leader of the Structural Genomics Laboratory.

5. Scientific management Positions:

Vice – Rector of the New University of Lisbon since February 2007.

Vice-Director of ITQB (1999 to May 2005).

Member of the Installing Committee of ITQB (1996 to 1989).

6. Research Interests:

Structural studies of protein and protein complexes of the innate immune system, metalloproteins and metalloenzymes.

7. Main research Projects:

Partner of the EU integrated project SPINE2-COMPLEXES (LSHG – CT-2006-031220), of the EU Specific Support Action TEACH-SG (LSSG-CT-2007-037198) and of the Infrastructure Cooperation Network, MAX-INF2(RICA-CT-2004- 505977).

Principal researcher of two national FCT projects, POCI/SAU-IMI/55729/2004 and PTDC/SAU-MII/69084/2006.

8. Honours:

2007 – Award of the “Medalha de Honra do Município” by the Municipality of Oeiras

2005 - Award of the "Medalha de Honra do Município" by the Municipality of Vila Nova de Famalicão

2004 - European Medal on Bio-Inorganic Chemistry

2004 - "Estímulo à Excelência" award from the ministério da Ciência, Inovação e Ensino Superior.

2004 - Award for the best article on Biophysics published in 2003, by the Sociedade Portuguesa de Biofísica.

2000 - Elected EMBO member

9. Other activities:

Member of the Scientific Advisory Board of the EMBL@PETRAIII project since 2008.
Member of the Advisory Board of the international project "Molecular Frontiers" chaired by Ahmed Zewail.
Member of the Priorities Committee of the EMBL – Hamburg Outstation since 1999
Officer of the Executive Committee of the International Union of Crystallography (August 1999 - August 2005) and Chair of the IUCr Sub- Commission on the Union calendar (2002-2005).
Vice-President of the Portuguese Biochemistry Society (1998 - 2004).
Editor of *J. Biol. Inorg. Chem.* since December 2001.

Organizer with Thomas Schneider of the courses BioCrys on Fundamentals of modern methods in Biocrystallography held in Oeiras, October 2002, November 2004, October 2006 and October 2008.
Vice-President of the Organizing Committee of the FEBS meeting held in Lisbon in 2001.
Chair of the Organizing Committee of the Seventeenth European Crystallographic Meeting, ECM 17, held in Lisbon, 1997.

10. Selected publications

P.M. Matias, P. Donner, R. Coelho, M. Thomaz, C. Peixoto, S. Macedo, N. Otto, S. Joschko, P. Scholz, A. Wegg, S. Bäsler, M. Schäfer, U. Egner and M.A. Carrondo, "Structural evidence for ligand specificity in the binding domain of the human Androgen receptor: implications for pathogenic gene mutations" *J. Biol. Chem.* (2000) **275**: 26164-26171.

P. M. Matias, A. V. Coelho, F. M. A. Valente, D. Plácido, J. LeGall, A. V. Xavier, I. A. C. Pereira and M. A. Carrondo, "Sulfate respiration in *Desulfovibrio vulgaris* Hildenborough: Structure of the 16-heme Cytochrome c HmcA at 2.5 Å resolution and a view of its role in transmembrane electron transfer" *J. Biol. Chem.* (2002) 47907-47916.

S. Macedo, C. V. Romão, E. Mitchell, P. M. Matias, M. Y. Liu, A. V. Xavier, J. LeGall, M. Teixeira, P. Lindley and M. A. Carrondo "The nature of the di-iron site in the bacterioferritin from *Desulfovibrio desulfuricans*," *Nature Struct. Biol.* (2003), **10**, 285-290.

M. A. Carrondo "Ferritins, Iron Uptake and Storage from the Bacterioferritin Viewpoint", *EMBO J.* (2003), **22**, 1959-1968.

I. Bento, L. O. Martins, G. G. Lopes, M. A. Carrondo and P. F. Lindley "Dioxygen reduction by multi-copper oxidases; a structural perspective", *Roy. Chem. Soc. Dalton Trans.* (2005) 3507-3513.

I. Bento, M. A. Carrondo, P. F. Lindley, "Reduction of dioxygen by enzymes containing copper", *J. Biol. Inorg. Chem.* (2006) **11**, 539-547.

C. Frazão, C. E. McVey, M. Amblar, A. Barbas, C. Vonrhein, C. M. Arraiano and M.A. Carrondo "Unravelling the dynamics of RNA degradation by RNAse II and its RNA- bound complex", *Nature* (2006), **443**, 110-114.

P. M. Matias, S. Gorynia, P. Donner, M. A. Carrondo, "Crystal Structure of the Human AAA+ Protein RuvBL1", *JBC* (2006) **281**, 38918-38929.

M. A. Carrondo, I. Bento, P. M. Matias and P. F. Lindley "Crystallographic evidence for dioxygen interactions with iron proteins" *J. Biol. Inorg. Chem.* (2007) **12**, 429-442.

T. M. Bandejas, R. C. Hillig, P. M. Matias, U. Eberspaecher, J. Fanghänel, M. Thomaz, S. Miranda, K. Crusius, V. Pütter, P. Amstutz, M. Gulotti-Georgieva, H. K. Binz, C. Holz, A. A. P. Schmitz, C. Lang, P. Donner, U. Egner, M. A. Carrondo and B. Müller-Tiemann, "Structure of Wild-Type Plk-1 Kinase Domain in Complex with a Selective DARPIn" *Acta Cryst.* (2008) **D 64**, 339-353.