

CURRICULUM VITÆ

Breno Pannia Espósito

Place of birth: São Paulo, Brazil (October 21, 1971)

Present address:

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Academic formation

Undergraduation:

Bachelor in Chemistry at the University of São Paulo (São Paulo, Brazil)
(1990 to 1994)

Graduation:

M.Sc. in Inorganic Chemistry at University of São Paulo
Title: "Study of the products of the reaction between rhodium (II) carboxylates and amides"
Supervisor: Prof. Dr. Renato Najjar
(1995 to 1997)

Ph.D. in Inorganic Chemistry at University of São Paulo
Title: "Interações de complexos de rodio(II) com albumina humana"
Supervisor: Prof. Dr. Renato Najjar
(1997 to 2000)

Pos-doctorate at the Department of Biological Chemistry, Hebrew University of Jerusalem (Israel)
Project: Fluorescence detection of intra and extracellular pools of iron.
Supervisor: Prof. Dr. Zvi Ioav Cabantchik
(2000 to 2002)

Academic production

Full papers:

$\text{Rh}_2(\text{CF}_3\text{CONH})_4$: the first biologic assays of a rhodium (II) amidate
Espósito, B.P.; Souza, A.R.; Zyngier, S.B. and Najjar, R.
Metal-Based Drugs 1997, 4(6), 333-338

Increase in life span of mice bearing Ehrlich tumor treated with a rhodium (II) amidate
Zyngier, S.B.; Espósito, B.P.; Souza, A.R.; Najjar, R.
Naunyn-Schmiedeberg's Archives of Pharmacology 1998, 358(1), R530, Suppl. 2

Survival and histopathological study of animals bearing Ehrlich tumor treated with a rhodium(II) amidate

Espósito, B.P.; Zyngier, S.B.; Najjar, R.; Paes, R.P.; Ueda, S.M.Y.; Barros, J.C.A.
Metal-Based Drugs 1999, 6(1), 17-18

A circular dichroism and fluorescence quenching study of the interactions between rhodium (II) complexes and human serum albumin

Espósito, B.P.; Faljoni-Alário, A.; Menezes, J.F.S.; Brito, H.F.; Najjar, R.
Journal of Inorganic Biochemistry 1999, 75(1), 55-61

Effects of human serum albumin in some biological properties of rhodium(II) complexes

Espósito, B.P.; Oliveira E., Zyngier, S.B.; Najjar R.
Journal of the Brazilian Chemical Society 2000, 11(5), 447-452

Labile iron in parenteral iron formulations and its potential for generating plasma non-transferrin bound iron (NTBI) in dialysis patients

Espósito, B.P.; Breuer, W.; Slotki, I.; Cabantchik, Z.I.
European Journal of Clinical Investigation 2002, 32 (Supl.1), 42-49

Design and applications of methods for fluorescence detection of iron in biological systems

Espósito, B.P.; Breuer, W.; Cabantchik, Z.I.
Biochemical Society Transactions 2002, 30(4), 729-732

Reviews:

A review of fluorescence methods for assessing labile iron in cells and biological fluids

Espósito, B.P.; Epsztejn, S.; Breuer, W.; Cabantchik, Z.I.
Analytical Biochemistry 2002, 304, 1-18

Interactions of antitumoral platinum-group metallodrugs with albumin

Espósito, B.P.; Najjar, R.
Coordination Chemistry Reviews 2002, 232(1-2), 139-151

Communications:

Hair tail fish (*Trichiurus lepturus*) at the Southeastern Brazilian Coast: yield, availability and evaluation of the nutritional potential

Panel at the 10th Brazilian Meeting of Ichthyology (Feb, 1993)

Breno Pannia Espósito and Sérgio Araújo Antunes
Oceanographic Institute of University of São Paulo, Brazil

Study of the products of the reaction between rhodium (II) carboxylates and amides

Panel at the 19th Annual Congress of the Brazilian Chemical Society (May, 1996)

Breno Pannia Espósito and Renato Najjar
Poços de Caldas, Brazil

Study of the biologic activity of a rhodium complex derived of trifluoroacetamide

Panel at the 20th Annual Congress of the Brazilian Chemical Society (May, 1997)

Breno Pannia Espósito and Renato Najjar
Poços de Caldas, Brazil

Interaction of $\text{Rh}_2(\text{CF}_3\text{CONH})_4$ with human serum albumin
Panel at the 21st Annual Congress of the Brazilian Chemical Society (May, 1998)
Breno Pannia Espósito and Renato Najjar
Poços de Caldas, Brazil

Increase in life span of mice bearing Ehrlich tumor treated with a rhodium (II) amidate
Panel at the 13th International Congress of Pharmacology (July, 1998)
Szulim Ber Zyngier, Breno Pannia Espósito, Aparecido Ribeiro de Souza and Renato Najjar
München, Germany

Design principles and applications of fluorescence detection of iron (FDI)
Plenary lecture at Biometals 2002: 3rd International Biometals Symposium (April, 2002)
London, UK [Book of Abstracts, p 7]

Labile properties of non-transferrin-bound iron (NTBI) in iron overload and during chelation therapy
12th International Conference on Oral Chelation in the Treatment of Thalassaemia and Other Diseases (ICOC) (July, 2002)
Breno Pannia Espósito, William Breuer, Pensri Pootrakul, Chaim Hershko and Zvi Ioav Cabantchik
Santorini, Greece [Book of Abstracts, pp 27-29]

Academic traineeships

1) Sea food technology (1991 to 1993)
Oceanographic Institute of University of São Paulo
Supervisor: Prof. Dr. Sérgio Araújo Antunes

2) Theoretical chemistry (2nd half of 1993)
Institute of Chemistry of University of São Paulo
Supervisor: Prof. Dr. Eduardo Motta Alves Peixoto

3) Organic photochemistry (1994)
Institute of Chemistry of University of São Paulo
Supervisor: Prof. Dr. Luis Henrique Catalani

Industrial activities

Laboratory assistance at Givaudan-Roure of Brazil
Manipulation and development of flavorizants
(Dec, 1987 to Feb, 1990)