

CURRICULUM VITAE

Bruno Spinosa De Martinis, Ph.D.

Contact information

Office/Laboratory

Universidade de São Paulo

Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto

Departamento de Química

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Position

2002 – 2009: Professor, Departamento de Patologia e Medicina Legal, Faculdade de Medicina de Ribeirão Preto – Universidade de São Paulo, Brasil.

2009 – present: Associate Professor, Departamento de Química, Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto - Universidade de São Paulo, Brasil.

Research Interest

Forensic Analytical Toxicology - Development of analytical methodologies for abused drugs in alternative biological matrices using SPE, SPME and Gas chromatography/mass spectrometry.

Education

1986 – 1990 - B.S. in Chemistry - Institute of Physics and Chemistry of São Carlos, University of São Paulo - São Carlos, SP, Brazil.

1990 – 1993 - M.S. in Analytical Chemistry - Institute of Physics and Chemistry of São Carlos, University of São Paulo - São Carlos, SP, Brazil.

1993 – 1997 - Ph.D. in Analytical Chemistry - Institute of Chemistry, University of São Paulo - São Paulo, SP, Brazil.

1999 – 2000 – Postdoctoral - Faculty of Pharmaceutical Sciences of Ribeirão Preto, University of São Paulo - Ribeirão Preto, SP, Brazil.

2005 – 2006 - Postdoctoral – National Institute on Drug Abuse, Institutes of Health (NIDA/NIH), Baltimore, Maryland, USA.

Experience Abroad

1) Trainings

9/94 - 9/95 - Visiting Researcher - Energy and Environment Division, Lawrence Berkeley Laboratory, University of California, Berkeley, California – USA.

Supervisor: Lara A. Gundel, Ph.D.

9/95 - 12/95 - Graduate Researcher III - Environmental Toxicology Department, University of California, Davis, California – USA.

Supervisor: Norman Y. Kado, Ph.D.

08/2000 – 12/2002 - Young Researcher – Center of Legal Medicine, Department of Pathology, Faculty of Medicine of Ribeirão Preto, University of São Paulo - Brazil.

12/2000 – 01/2001 - Visiting Researcher – College of Medicine, Department of Pathology, Immunology and Laboratory Medicine – Diagnostic Referral Laboratories, Forensic Toxicology Laboratory, University of Florida, Gainesville, Florida, USA.

Supervisor: Bruce A. Goldberger, Ph.D.

08/2005 – 04/2006 – Postdoctoral – National Institute on Drug Abuse, Institutes of Health (NIDA/NIH), Baltimore, Maryland, USA.

Supervisor: Marilyn A. Huestis, Ph.D.

Professional activities

Ad Hoc reviewer for Environmental Research.

Ad Hoc reviewer for Atmospheric Environment.

Ad Hoc reviewer for Analytica Chimica Acta.

Ad Hoc reviewer for Journal of Chromatography B.

Ad Hoc reviewer for International Journal of Environmental Analytical Chemistry.

Ad Hoc reviewer for Química Nova.

Ad Hoc reviewer for Talanta.

Current supervisions at Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto – USP

Teaching

- Forensic Toxicology
- Bioethics

Main Publications

A) Papers in Peer Reviewed Journals

1990 “Supercritical fluid extraction (SFE) using an inexpensive home made system” - Lanças, F.M.; De Martinis, B.S.; Matta, M.H.R. - *J. High Resolution Chromatography*, December, vol. 13, pp. 838-839.

1995 “Monitoring of ultrasonic effect on the extraction particulate matter by ion-chromatography” - Carvalho, L.R.F.; Souza, S.R.; De Martinis, B.S.; Korn, M. - *Analytica Chimica Acta*, December 20, V317 N1-3, pp.171-179.

1999 “Genotoxicity of fractionated organic material in airborne particles from São Paulo, Brazil” - De Martinis B.S.; Kado, N.Y.; Carvalho, L.R.F.; Gundel, L.A.; Okamoto, R.A. - *Mutation Research*, 446, 83-94.

2000 “An alternative supercritical fluid extraction system for aqueous matrices and its application in pesticides residue analysis”. De Martinis, B.S.; Lanças, F.M. – *J. Environ. Sci. Health B*, 35: (5) 539-547.

2001 “Effect of vitamin C supplementation against cisplatin-induced toxicity and oxidative DNA damage in rats”. De Martinis, B.S.; Bianchi, M.L.P. – *Pharmacological Research*, 44 (4) 317-320.

2002 “Polycyclic aromatic hydrocarbons in a bioassay-fractionated extract of PM10 collected in São Paulo, Brazil”. De Martinis, B.S.; Okamoto, R.A.; Kado, N.Y.; Gundel, L.A.; Carvalho, L.R.F. – *Atmospheric Environment*, 36, 307-314.

2002 “Methodology for urinary 8-hydroxy-2'-deoxyguanosine analysis by HPLC with electrochemical detection”. De Martinis, B.S.; Bianchi, M.L.P. – *Pharmacological Research*, 46 (2), 129-131.

2002 “Automated Headspace solid-phase microextraction and capillary gas chromatography analysis of ethanol in postmortem specimens”. De Martinis, B.S.; Martin, C.C.S. – *Forensic Science International*, 128 (3), 115-119.

2004 “Determination of ethanol in human blood and urine by automated Headspace solid-phase microextraction and capillary gas chromatography”. De Martinis, B.S.; Ruzzene, M.A.; Martin, C.C.S. – *Analytica Chimica Acta*, 522, 163-168.

2006 “Alcohol distribution in different postmortem body fluids”. De Martinis BS, de Paula CMC, Braga A, Moreira HT, Martin CCS - *Human & Experimental Toxicology* 25 (2): 93-97.

2007 “Determination of cocaine in Brazilian paper currency by capillary gas chromatography/mass spectrometry”. Di Donato E, Martin CCS, De Martinis BS. *Química Nova*, 30, 1966-1967.

2007 “Development and validation of a disk solid phase extraction and gas chromatography-mass spectrometry method for MDMA, MDA, HMMA, HMA, MDEA, methamphetamine and amphetamine in sweat”. De Martinis BS, Barnes AJ, Scheidweiler KB, Huestis MA. *Journal of Chromatography B*, 852, 450-458.

2008 “Alcoolemia e mortes de causas violentas”. Paula CMC, Ruzenne MA, De Martinis BS. *Medicina (Ribeirão Preto)*, 41, 24-29.

2008 “Dados Médico-Legais sobre afogamentos na região de Ribeirão Preto (SP, Brasil): Um passo para a prevenção”. Araújo RT, Martin CCS, De Martinis BS, Evison MP, Guimarães MA. *Medicina (Ribeirão Preto)*, 41, 50-57.

2009 “Disposition of MDMA and metabolites in human sweat following controlled MDMA administration”. Barnes AJ, De Martinis BS, Gorelick DA, Goodwin RS, Kolbrich EA, Huestis MA. *Clin Chem.*, 55 (3): 454-62.

2010 “Treatment with cannabidiol reverses oxidative stress parameters, cognitive impairment and mortality in rats submitted to sepsis by cecal ligation and puncture”. Cassol-Jr, Omar J. ; Comim, Clarissa M. ; Silva, Bruno R. ; Hermani, Fernanda V. ; Constantino, Larissa S. ; Felisberto, Francine ; Petronilho, Fabricia ; Hallak, Jaime Eduardo C. ; De Martinis, Bruno S. ; Zuardi, Antonio W. , Brain Research 1348, 128-138.

2011 “Relation between alcohol consumption and traffic violations and accidents in the region of Ribeirão Preto, São Paulo State”. Pereira, Rafael Eduardo ; Perdoná, Gleici da Silva Castro ; Zini, Lucila Costa ; Cury, Maria Bernadete Schieber ; Ruzzene, Maria Angela Martins ; Martin, Carmen Cinira Santos ; Martinis, Bruno Spinosa De .. Forensic Science International 164-169.

2011 “Cannabidiol Reduces the Anxiety Induced by Simulated Public Speaking in Treatment-Naïve Social Phobia Patients”. Bergamaschi, Mateus M ; Queiroz, Regina Helena Costa ; Chagas, Marcos Hortes Nisihara ; de Oliveira, Danielle Chaves Gomes ; De Martinis, Bruno Spinosa ; Kapczinski, Flávio ; Quevedo, João ; Roesler, Rafael ; Schröder, Nadja ; Nardi, Antonio E ; Martín-Santos, Rocio ; Hallak, Jaime Eduardo Cecílio ; Zuardi, Antonio Waldo ; Crippa, José Alexandre S ; De martinis, B S .. Neuropsychopharmacology 36, 1219-1226.