



CURRICULUM VITAE

Iván Martínez-Duncker R., M.D., Sc.D.

Date of Birth: 13th December, 1977

Nationality: Mexican

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CURRENT POSITION

Since 2006: Associate Research Professor. Science Faculty, Morelos State Autonomous University. MEXICO.

Since 2007: Head of the Biochemistry and Molecular Biology Department. Science Faculty, Morelos State Autonomous University. MEXICO

Coordinator for the Congenital Disorders of Glycosylation Network in Latinamerica

DIPLOMAS AND STUDIES

1992-1995: Baccalaureate Biological Sciences, Military School Christopher Columbus, Cuernavaca, Mexico.

1995: Accepted in the Army Medical School by selection, Mexico City.

2000/2001: Internship in the Military Central Hospital, Ministry of Defense, Mexico City.

2001: Granted Major Medical Surgeon Degree, Ministry of Defense, University of the Army and Air Force, Military Medical School, obtained after board review (with honors) and experimental thesis, Mexico.

2003: University Diploma in Molecular Biology of the Cell, Pasteur and Curie Institute. Paris, France.

2004: Doctor in Science (Hematology), Ecole Pratique des Hautes Etudes-Sorbonne. National Institute of Health and Medical Research, Ministry of Research and Education. Paris, France.

2005: University Diploma in HIV patient management, University of Paris Sud XI and Kremlin-Bicêtre Hospital, France.

2005: University Diploma in Immunological Therapies, University Rene Descartes and Georges Pompidou European Hospital. Paris, France.

2005: Certified Supervisor of radioactive facilities, Nuclear Safety Council- Polytechnique University of Catalogne, Institute of Energy techniques, Clinical and Provincial Hospital of Barcelona, Spain.

2006: Specialty in Nuclear Medicine, Kremlin-Bicetre University Hospital Center, Paris University XI, National Institute of Nuclear Sciences and Techniques – Atomic Energy Comission, France

Thesis to obtain “Medical Doctor” degree.

Relationship between the EEG alpha block reaction and the level of visual attention in healthy young individuals. July 2001. **Cum Laude**

Thesis to obtain “Doctor in Science” degree.

Contributions to the comprehension of the phylogeny, physiology and pathology of glycosyltransferases and nucleotide sugar transporters. December 2004. **Cum Laude**

DISTINCTIONS:

2001: First Prize for the best clinical research work. National Congress of Medical Faculty Students, Polytechnic National Institute, Mexico.

2003: Doctoral Scholarship. *Association pour la Recherche sur le Cancer* (ARC). France.

2007: National Researcher, Level 1, National Council on Science and Technology. Mexico.

PUBLICATIONS***Journal Articles***

Oriol R, **Martínez-Duncker I**, Chantret I, Mollicone R, Codogno P. [Common Origin and evolution of glycosyltransferases using Dol-P monosaccharides as donor substrate](#). *Mol. Biol. Evol.* 19(9) 1451-1463, **2002**.

Martínez-Duncker I, Oriol R, Mollicone R, Codogno, P. [The Nucleotide Sugar Transporter family: a phylogenetic approach](#). *Biochimie* 85 (3-4) 245-260, **2003**.

Martínez-Duncker I, Mollicone R, Candelier JJ, Breton C, Oriol R. [A new superfamily of protein-O-fucosyltransferases, \$\alpha\$ 2-fucosyltransferases, and \$\alpha\$ 6-fucosyltransferases: phylogeny and identification of conserved peptide motifs](#). *Glycobiology*. 13(12):1C-5C, **2003**.

Martínez-Duncker I, Michalski JC, Bauvy C, Candelier JJ, Mennesson B, Codogno P, Oriol R, Mollicone R. [Activity and tissue distribution of splice variants of \$\alpha\$ 6-fucosyltransferase in human embryogenesis](#). *Glycobiology*. 14(1):13-25, **2004**.

Hurtado Lopez LM, Arellano-Montano S, Torres-Acosta M, Zaldivar-Ramirez FR, Duarte-Torres RM, Alonso de Ruiz P, **Martínez-Duncker I**, Martínez-Duncker C. [Combined use of fine-needle aspiration biopsy, MIBI scans and frozen section biopsy offers the best diagnostic accuracy in the assessment of the hypofunctioning solitary thyroid nodule](#). *Eur. J. Nucl. Med. Mol. Imaging* 31(9):1273-9, **2004**.

Martínez-Duncker I, Dupre T, Piller V, Piller F, Candelier JJ, Trichet C, Tchernia G, Oriol R, Mollicone R. [Genetic complementation reveals a novel human congenital disorder of glycosylation of type II, due to inactivation of the Golgi CMP-sialic acid transporter](#). *Blood*. 105(7):2671-6 **2005**

Mollicone R, Moore SE, Bovin N, Garcia-Rosasco M, Candelier JJ, **Martínez-Duncker I**, Oriol R. [Activity, splice variants, conserved peptide motifs and phylogeny of two new alpha 1,3-fucosyltransferase families \(FUT10 and FUT11\)](#). *J Biol Chem* **2009**.

Book Chapters

Martínez-Duncker C, **Martínez-Duncker I**, Martínez-Duncker D. Radio-pharmacology in: General Pharmacology. Trillas, Mexico 2003.

Martínez-Duncker C, Martínez-Lazaro R, Cortes-Blanco A, **Martínez-Duncker I**. Nuclear Medicine and AIDS in: Clinical Nuclear Medicine. Masson, Mexico. 2003.

Martínez-Duncker C, **Martínez-Duncker I**. Nuclear Medicine Evaluations in: Pediatric Medical Emergencies. McGraw-Hill, Mexico. 2003.

Cloned DNA sequences submitted to the European Molecular Biology Laboratory: 336.

INTERNATIONAL SYMPOSIA AND MEETING PRESENTATIONS

Martínez-Duncker CM, **Martínez-Duncker I. Iodine-131 turnover in 255 patients with normal thyroid function and 140 patients with hyperthyroidism.** 48th Annual Meeting of the Society of Nuclear Medicine, Toronto, Canada, 2000.

Martínez-Duncker I. GlycoT 2002 Third International Symposium on Glycosyltransferases. A Marcus Wallenberg Symposium. **“The Nucleotide Sugar Transporter Family”.** Djurönäset, Stockholm, Sweden 2002.

Martínez-Duncker I. GlycoT 2004 Fourth International Symposium on Glycosyltransferases. **“New families of fucosyltransferases, orthologs of the common ancestors of: FUT1/FUT2, FUT3/FUT5/FUT6 and FUT10/FUT11. Retrotranspositions in the FUT genes”.** Le Touquet, France 2004.

P. Chaumet-Riffaud, **I. Martinez-Duncker**, N. Mignet, F. Moati, C. Richard, M. Bessodes, A. Prigent, D. Scherman. **Cyanide-free synthesis of neolactosyl albumin, a receptor specific ligand of hepatocytes: Imaging and Biodistribution studies.** European Association of Nuclear Medicine Congress, Athens, Greece, 2006.

MEMBER OF:

The Mexican Society of Biochemistry
The French Society of Biochemistry and Molecular Biology
The International College of Nuclear Medicine Physicians
The Society for Glycobiology
American Society of Hematology

SPOKEN LANGUAGES: Spanish: 100%, French: 100%, English: 100%.