



BIOGRAPHICAL SKETCH

NAME Ana Marta de Jesus Gomes de Matos		POSITION TITLE PhD student	
EDUCATION / TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Faculty of Sciences, University of Lisbon	BSc	07/11	Biochemistry
Faculty of Pharmacy, University of Lisbon	MSc	09/13	Medicinal Chemistry

Research Interests

- Medicinal plants and natural products.
- Organic synthesis.
- Metabolic and amyloid diseases.
- Drug research and development.

Professional experience

- **2013:** Research Trainee in the project *Diterpenes as lead compounds for overcoming multidrug resistance in cancer cells: P-glycoprotein modulators and antiproliferative agents* (PTDC/QUI-QUI/099815/2008). Institute of Pathology, Charité Campus Mitte, Humboldt University, Germany.
- **2013:** Research Trainee in the project *Diterpenes as lead compounds for overcoming multidrug resistance in cancer cells: P-glycoprotein modulators and antiproliferative agents* (PTDC/QUI-QUI/099815/2008). Department of Medical Microbiology and Immunobiology, University of Szeged, Hungary.
- **2011-2012:** FCT Research Fellow in the project *From Design to Synthesis of New Anti-Tubercular Agents* (PTDC/QUI/67933/2006). Structure and Reactivity Group, Centre of Chemistry and Biochemistry – Faculty of Sciences, University of Lisbon.
- **2010-2011:** UL/Amadeu Dias Research Fellow in the project *The role of Commensal Bacteria in the spread of antibiotic resistance genes* (PTDC/BIA-BDE/66180/2006). Evolutionary Ecology of Microorganisms, Centre for Environmental Biology – Faculty of Sciences, University of Lisbon.

Publications

- **Matos A.M.**, Francisco A.P. Targets, structures, and recent approaches in malignant melanoma chemotherapy. *ChemMedChem*, 2013, 8(11): 1751-1765.

Conferences

Posters

- **Matos A. M.**, Jesus A. R., Ribeiro R., Macedo M.P., Rauter A.P. Synthesis of 8- β -D-glucosylgenistein recognized as a lead compound against type 2 Diabetes mellitus. *CQB Day 2014*. July 9, 2014 / Lisbon, Portugal.
- Neto S., Vieira C., **Matos A.M.**, Mónico A., Ferreira R., Reis M., Pedro C., Madureira A.M., Spengler G., Molnár J., Duarte N., Ferreira M.J.U. Lathyrane diterpenes from *Euphorbia boetica* and *Euphorbia pedroi*: promising ABCB1 modulators for overcoming multidrug resistance. *62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research – GA2014*. August 31 – September 4, 2014 / Guimarães, Portugal.
- **Matos, A.M.**, Jesus A.R., Marcelo F., Macedo, M.P., Rauter A.P. 8- β - D-glucosylgenistein: a natural product with potential against Diabetes and Alzheimer’s disease. *EMBO Workshop – Glycobiology and Glycochemistry: applications to human health and disease*. May 26-30, 2014 / Lisbon, Portugal.
- **Matos, A.M.**, Jesus, A.R., Ribeiro, R., Macedo, M.P., Rauter, A.P. Rational design and synthesis of 8- β -D-glucosylgenistein analogues with activity against Diabetes and Alzheimer’s disease. *4th Portuguese Young Chemists Meeting*. April 29 – May 1, 2014 / Coimbra, Portugal
- **Matos, A.M.**, Neto S., Duarte N., Ferreira M.J.U. A Small Library of Lathyrane Diterpenes Through Molecular Derivatization. *1^o Simpósio Luso-Brasileiro de Química Orgânica*. September 4-6, 2013 / Lisbon, Portugal
- **Matos A.M.**, Reis M., Miranda V., Santos L., Santos S., Martins F., Santos M.S. Lipophilicity of some active *Mycobacterium tuberculosis* isoniazid derivatives: a comparative study between octanol-water (log P o/w) and micelle-water (log K_p) partition coefficients. *22nd International Symposium on Medicinal Chemistry*. September 2-6, 2012 / Berlin, Germany

Oral Communications

- “Genista tenera as a source of functional foods with new mechanisms of action against diabetes and related amyloid diseases”. Workshop *Moving to a Healthy Life and an Active Ageing: Science and Policy towards Innovative Solutions*. Faculty of Sciences, University of Lisbon, September 24, 2014.
- “The role of Commensal Bacteria in the spread of antibiotic resistance genes.” *Amadeu Dias Fellowships Forum*. University of Lisbon, October 12, 2011.

Awards

- Best Oral Presentation, awarded by the University of Lisbon and Amadeu Dias Foundation for *The role of Commensal Bacteria in the spread of antibiotic resistance genes* project (2011)
- *Best 1st Year Students*, awarded by FCUL Foundation (2010)
- Merit Scholarship relative to the first and second years as a BSc student in Biochemistry, awarded by the Faculty of Sciences, University of Lisbon (2009 and 2010)

Other activities

- Participation with Honors and Distinction in the EMBO workshop *Glycobiology and glycochemistry: applications to human health and disease*, being worth 2 ECTS, promoted by CEDOC, Faculty of Medicine – Nova University of Lisbon (2014)
- Attendance to the *4th Portuguese Young Chemists Meeting*, promoted by the Portuguese Chemical Society (2014)
- Attendance to the workshop *Beating the Blood-Brain & Other Blood Barriers*, promoted by the Institute of Molecular Medicine – Faculty of Medicine, University of Lisbon (2013)
- Attendance to the workshop *Carbohydrates Bridging Bioorganic and Medicinal Chemistry* at the Faculty of Sciences, University of Lisbon (2011)
- Attendance to the post-graduation course *Industrial Drug Research*, lectured by Dr. Hans Peter Wessel at the Faculty of Sciences – University of Lisbon (2010)
- Attendance to the course *Protein Folding, Misfolding and Disease*, promoted by the Portuguese Biophysical Society (2009)

Languages

- Portuguese: Native speaker
- English: Fluent speaker (Certificate in Advanced English with Grade A (C2 level) provided by University of Cambridge ESOL examinations, 2013)
- Spanish: Basic speaker