



BIOGRAPHICAL SKETCH

NAME João Manuel Ventura Cardoso de Barros		POSITION TITLE PhD student	
EDUCATION / TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Faculty of Sciences, University of Lisbon	BSc	07/04	Chemistry
Faculty of Sciences, University of Lisbon	MSc	07/07	Chemistry

Research Interests

- Organic synthesis.
- Hemorrhagic Virus.
- Metabolic and amyloid diseases.
- Drug research and development.

Professional experience

- **Since October 2016:** Invited Assistant, Faculdade de Ciências, Universidade de Lisboa.
- **November 2017 to August 2018:** Research Fellow (Seconded Experienced researcher) in D3i4AD European project, Eli Lilly and Company, United Kingdom.
- **2016:** Organic Chemistry, Practical Course Assistant, Faculdade de Ciências, Universidade de Lisboa.
- **Since 2003:** High Scholl Chemistry and Physics teacher.

Conferences

Posters

- **Barros J.M.**, Marcelo F., Rauter A.P., *Chemical synthesis of GalNAc mimetics to target macrophage galactose C-type lectin and block viral infections*, Eurocarb2017, June 2017, Barcelona, Spain;
- **Barros J.M.**, Marcelo F., Rauter A.P., *N-acetylgalactosamine mimetics: synthesis of potential candidates to block virus infection*, CQB-Day 2017, May 2017. Lisbon, Portugal.
- **Barros J.M.**, Marcelo F., Rauter A.P., *Hemorrhagic Virus: towards binding inhibition Macrophage type lectin-galactose ligands: chemical synthesis*. Encontro com a Ciência e Tecnologia em Portugal. 4-6 July, 2016. Lisboa, Portugal;
- **Barros J.M.**, Marcelo F., Rauter A.P., *Macrophage type lectin-galactose ligands: chemical synthesis*. CQB Day, June 2016. Lisboa, Portugal;

Oral Communications

- *Synthesis of N-acetylgalactosamine mimetics tackling multiple targets: Hemorrhagic virus and Alzheimer's Disease*. ICS 2018 – 29th International Carbohydrate Symposium, July 2018. Lisbon, Portugal;
- *N-acetylgalactosamine mimetics: as a potencial Protein-Protein Interaction Inhibitors*. AD. Diagnostic and Drug Discovery Initiative for Alzheimer's Disease (D3i4AD) – Final Conference, June 2018. Bari, Italy;
- *Chemical synthesis of GalNAc mimetics aiming macrophage galactose C-type lectin and block viral infections*. 12.^a Reunião do Grupo de Glúcidos – Glupor12, September 2017. Aveiro, Portugal.
- *Chemistry: Research in favor of Human Health*. Semana da Ciência, Colégio Moderno, April 2017, Lisbon, Portugal.

Prizes

Best Presentation (oral communication):

- *N-acetylgalactosamine mimetics: as a potencial Protein-Protein Interaction Inhibitors* in AD. Diagnostic and Drug Discovery Initiative for Alzheimer's Disease (D3i4AD) – Final Conference, June 2018. Bari, Italy.

Other activities

- Since 2014: Scientific project selection jury member – Prémio FAQtos – by Instituto Superior Técnico, Lisboa, Portugal.

Languages

- Portuguese: Native speaker
- English: Fluent speaker