

## PHASE 3 2018

**Objective** Continuation of the preclinical and mechanistic study

### Activities

**Activity 3.1** Preclinical study

**Activity 3.2** Mechanistic study

**Activity 3.3** Development of co-therapies targeting the antioxidant system

**Activity 3.4** Dissemination

### Results

#### - Publications

R. Boscencu, R.P. Socoteanu, G. Manda, N. Radulea, M. Anastasescu, A. Gama, I. Ferreira Machado, L.F.Vieira Ferreira. *New A<sub>3</sub>B porphyrins as potential candidates for theranostic. Synthesis and photochemical behavior*, *Dyes and Pigments*, 160: 410-417, <https://doi.org/10.1016/j.dyepig.2018.08.028>, (IF=3.767).

#### - Papers accepted for publication

G. Manda, M. E. Hinescu, I.V. Neagoe, L. F. Vieira Ferreira, R. Boscencu, P. Vasos, S. H. Basaga, A. Cuadrado. *Emerging Therapeutic Targets in Oncologic Photodynamic Therapy*, *Current Pharmaceutical Design* 2018 (IF=2.757)

#### - Papers under evaluation

L.F.Vieira Ferreira, I.Ferreira Machado, A. Gama, R. Socoteanu, R. Boscencu, G. Manda, R. Calhelha, I. Ferreira. *Photochemical and photocytotoxicity studies of new tetrapyrrolic structures as potential candidates for cancer theranostics*, *Photochemical & Photobiological Sciences* (under evaluation, article submitted in august 2018) (IF=2.902)

### Communications

1. *Gene expression profile in tumour cells exposed in vitro to photodynamic therapy with a novel porphyrinic compound*, M. I. Nicolescu, G. Manda, R. Boscencu, M. Dobre, E. Milanesi, I.V. Neagoe, L.F.Vieira Ferreira. 25th Biennial Congress of the European Association for Cancer Research, Amsterdam, The Netherlands, 30 June–3 July 2018; abstract in *ESMO Open*, July 2018; 3(Suppl.2):A1–A463,10.1136/esmooopen-2018-EACR25.676.
2. *Molecular Signature of oxidative stress triggered by photodynamic therapy in cancer cells*. Gina Manda, Maria Dobre, Ionela Victoria Neagoe, Rica Boscencu, Huveyda Selma Basaga, Laura Olariu, Antonio Cuadrado. Annual conference of the Institute of Medical-Military Research "Cantacuzino", 20.11.2018, Bucharest.

### Work visit

Work meeting organized by Prof. I Antonio Cuadrado at the Institute of Biomedical Research "Alberto Sols", 20-21.04.2018, Madrid, Spain.

Participants:

- Prof. Luis Filipe Vieirra Fereira - Portugal;
- Prof. Antonio Cuadrado – Spain;
- Prof. Huveyda Basaga – Turkey;
- Prof. Gina Manda – Romania

### Seminar

Skype conference on 6.02.2018 coordinated by Dr. Gina Manda, Romania, with the team of Prof. Antonio Cuadrado, Madrid, Spain.