

<http://news.doctorat.ubbcluj.ro/>

## Doctoral School of Integrative Biology

### 1. PhD Student:

### Photo



**Name: RAUCA First name: VALENTIN-FLORIAN**

**e-mail: valirauca@yahoo.co.uk**

### 2. Doctorate

**2.1. PhD thesis title: EXPLOITING THE THERAPEUTIC POTENTIAL OF OXIDATIVE STRESS MODULATORS IN MELANOMA**

**2.2. PhD coordinator: prof. dr. ELENA RAKOSY**

**2.3. Date of PhD thesis defense (link from site):**

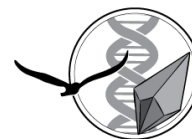
31<sup>st</sup> of July 2020 (<https://doctorat.ubbcluj.ro/ro/sustinerile-publice-ale-tezelor-de-doctorat/?an=2020&luna=7&facultate=0&domeniu=0>)

**2.4. Grade: Excellent**

### 3. Scientific articles published in:

#### 3.1. Impact factor journals (IF, AIS):

3.1.1. **Rauca, V.F.**, Licărete, E., Lupuț, L., Sesărman, A., Pătraș, L., Bulzu, P., Rakosy-Tican, E., Banciu, M. (2018) Combination therapy of simvastatin and 5, 6-dimethylxanthenone-4-acetic acid synergistically suppresses the aggressiveness of B16.F10 melanoma cells. *PLoS ONE*, 23;13(8):e0202827, doi:10.1371/journal.pone.0202827 (**IF2018** = 2,776; **AIS2018** = 0,978)



3.1.2. **Rauca, V.F.**, Vlase, L., Casian, T., Sesărman, A., Gheldiu, A-M., Mocan, A., Banciu, M., Toiu, A. (2019) Biologically active ajuga species extracts modulate supportive processes for cancer cell development, *Frontiers in Pharmacology*; 10:334 doi: 10.3389/fphar.2019.00334. (**IF2019** =3,845 **AIS2019** = 1,047).

**4. Scientific conferences/symposia** (please mention the author/s, title of the conference/symposium, year, country, link)

**4.1. International:**

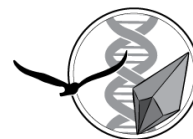
**4.1.1. Valentin-Florian Rauca**, Laura Pătraș, Lavinia Lupuț, Alina Sesărman, Emilia Licărete, Vlad Toma, Augustin C. Moț, Manuela Banciu. Combination therapy of the liposome-encapsulated agents Simvastatin and DMXXA affects major mechanisms of murine melanoma development and progression. The 24th World Congress on Advances in Oncology and 24th International Symposium on Molecular Medicine, 10-12th of October, 2019, Mystras, Sparta, Greece. Book of abstracts: *Journal of Molecular Medicine*, volume 44, supplement 1, 219, 2019 (Oral Presentation)

**4.2. National:**

**4.2.1. Valentin-Florian Rauca**, Emilia Licărete, Alina Sesărman, Lavinia Lupuț, Laura Pătraș, Manuela Banciu. Enhanced antitumor efficacy induced by the coadministration of simvastatin and DMXAA on an in vitro melanoma inflammation model. The Annual International Conference of the Romanian Society for Biochemistry and Molecular Biology (RSBMB), 8-9th of June 2017, Timișoara, România. Book of abstracts: *New frontiers in chemistry*, 26(2), p. S2\_OP6 (Oral presentation)

**4.2.2. Valentin-Florian Rauca**, Tibor Casian, Alina Sesărman, Laurian Vlase, Ana-Maria Gheldiu, Manuela Banciu, Anca Toiu. Antitumor evaluation of extracts from selected indigenous Ajuga species on murine colon carcinoma and melanoma cell lines. RSBMB International Conference, 18-20th of April, 2018, Bucharest, Romania. *Romanian Journal of Biochemistry*, poster number 47 (Poster presentation).

**4.2.3. Valentin-Florian Rauca**, Laura Pătraș, Lavinia Lupuț, Alina Sesărman Emilia Licărete, Vlad Toma, Augustin C. Moț, Manuela Banciu. Shifting the balance towards an anti-tumorigenic melanoma microenvironment via co-administration of liposome-encapsulated simvastatin and DMXAA in vivo. Annual International Conference of the



RSBMB, 26-27th of September 2019, Iași, România. Book of abstracts: Journal of Experimental and Molecular Biology, Tome XX, No 3, pag 41 (Oral Presentation).

**4.2.4. Valentin-Florian Rauca**, Laura Pătraș, Lavinia Lupuț, Alina Sesărman, Emilia Licărete, Vlad Toma, Augustin C. Moț, Manuela Banciu. Combination therapy of the liposome-encapsulated agents Simvastatin and DMXXA affects major mechanisms of murine melanoma development and progression. The 24th World Congress on Advances in Oncology and 24th International Symposium on Molecular Medicine, 10-12th of October, 2019, Mystras, Sparta, Greece. Book of abstracts: Journal of Molecular Medicine, volume 44, supplement 1, 219, 2019 (Oral Presentation)

## 5. Projects/Grants:

### 5.1. Scientific projects/grants:

**5.1.1.** CNCS – UEFISCDI, project number PN-II-RU-TE-2014-4-1191, contract number 235/2015 within PNCDI-II

**5.1.2.** CNCS – UEFISCDI, project number PNII-RU-TE-2014-4-1247 within PNCDI-II,

**5.1.3.** CNCS – UEFISCDI, and project number PN-III-P4-ID-PCE-2016-0342, contract number 91/2017 within PNCDI-III.

## 6. Visibility (links):

**6.1. Google Scholar:** <https://scholar.google.com/citations?user=DZpe3NwAAAAJ&hl=en>

**6.2. ResearchGate:** [https://www.researchgate.net/profile/Valentin\\_Florian\\_Rauca2](https://www.researchgate.net/profile/Valentin_Florian_Rauca2)

Date: 01.02.2021

Signature