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## Doctoral School of Integrative Biology

### 1. PhD Student:

Name: IANC First name: MARIA-BIANCA

e-mail: [mbianca.ianc@yahoo.ro](mailto:mbianca.ianc@yahoo.ro)

### 2. Doctorate

2.1. PhD thesis title: *Exploring the mobilization potential of hominoid PVA and FVA VNTR-composite elements and the cellular proteins interacting with SVA RNA in humans*

2.2. PhD coordinator: prof. dr. DRAGOȘ NICOLAIE

2.3. Date of PhD thesis defense (link from site): 9 July 2019

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2.4. Grade: Magna cum laude

### 3. Scientific articles published in:

#### 3.1. Impact factor journals:

3.1.1. Matetovici I., Sajgo S, **Ianc B.**, Ochis C., Bulzu P., Popescu O., Damert A. (2016). Mobile Element Evolution Playing Jigsaw-SINEs in Gastropod and Bivalve Mollusks. *Genome Biology and Evolution*, 8. doi:10.1093/gbe/evv257; IF: 3.979

3.1.2. Carbone L., Harris R. A., Gnerre S, Veeramah K.R., Lorente-Galdo B., Huddleston J., Meyer T.J. Herrero J., Christian Roos C., Bronwen Aken B., Fabio Anaclerio F., Archidiacono N., Carl Baker<sup>7</sup>, Daniel Barrell<sup>11</sup>, Mark A. Batzer<sup>13</sup>, Kathryn Beal<sup>9</sup>, Antoine Blancher C., Craig L. Bohrson C.L., Brameier M., Campbell M.S., Capozzi O., Casola C., Chiatante G., Cree A., Damert A., de Jong P.J., Dumas L., Fernandez-Callejo M., Flicek P., Fuchs N.V., Gut M., Gut I., W. Hahn M.W., Hernández-Rodríguez J., Hillier L., Hubley R., **Ianc B.** and colab. (2014). The gibbon genome provides a novel perspective on the accelerated karyotype evolution of small apes. *Nature*, 513. doi:10.1038/nature13679; IF: 42.351

3.1.3. **Ianc B.**, Ochis C., Persch R., Popescu O. and Damert A. (2014). Hominoid composite non-LTR retrotransposons – variety, assembly, evolution and structural determinants of mobilization. *Molecular Biology and Evolution*, 31. doi: 10.1093/molbev/mst256; IF: 14.308



**3.1.4.** Lupan I., **Ianc M.B.**, Kelemen B.S., Carpa R., Rosca-Casian O., Chiriac M.T., Popescu O. (2014). New and old microbial communities colonizing a seventeenth-century wooden church. *Folia Microbiologica*, 59. [doi:10.1007/s12223-013-0265-3](https://doi.org/10.1007/s12223-013-0265-3); **IF: 1.145**

**3.1.5.** Lupan I., **Ianc M.B.**, Ochis C. and Popescu O. (2013). The evidence of contaminant bacterial DNA in several commercial Taq polymerases, *Romanian Biotechnological Letters*, 18. [doi:10.25083/rbl](https://doi.org/10.25083/rbl); **IF: 0.351**

#### 4. Scientific conferences/symposia

##### 4.1. International:

**4.1.1.** Damert A., **Ianc B.**, Ochis C., Lupan I. and Popescu O. Different determinants of mobilization for two families of VNTR-containing retrotransposons: SVA and LAVA. *EMBO | EMBL Symposium: The Mobile Genome: Genetic and Physiological Impacts of Transposable Elements*, 2015, Heidelberg, Germany, <https://www.embo-embl-symposia.org/symposia/2015/EES15-05/programme/index.html> (Poster presentation).

Date: 20.03.2021