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**Institutul Național de C&D
pentru Fizică și Inginerie Nucleară
Horia Hulubei**

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“Horia Hulubei” National Institute for Research and Development in Physics and Nuclear Engineering is hiring a scientific research assistant for a definite duration, until 31st August 2022, full time, within the Department of Life and Environment Sciences (DFVM).

Requirements to fill the position:

- Master programme student/master graduate/PhD student in physics/chemistry/chemical engineering/medical engineering/biology (biophysics/medical physics specialization);
- PC operating skills (word, excel, power point) and specialised programs in the field;
- Foreign languages: English, intermediate level (writing and speaking);
- Knowledge of the topics specified in the announcement.

Skills and abilities: team player, communication skills, working independently

Main responsibilities:

- Acquiring the knowledge required to fulfil position tasks;
- On-going training and honing in the field of the position topics;
- Taking part in the performance of the research activities stipulated in the contract (implementation of radiobiophysics experiments, analysis on mammal's cellular cells);
- Attending the work meetings convened by the project manager;
- Taking part in the processing and dissemination of the results obtained within the project;

Applications will contain the following documents:

- Request for competition registration can be found at www.nipne.ro, specifying the name of the department;
- Copies of the study diplomas;
- Curriculum Vitae;
- Certificate indicating the capacity of master/doctoral programme student;
- Copy of the identity document/passport.

The competition will consist of a written test and an interview in the field of the position topics. The interview can be held only by the candidates who have obtained a minimum score of 7 in the written test.

The candidates who have obtained a minimum score of 7 at the interview are declared admitted. The final score is calculated as arithmetic mean of the scores obtained for the written test and the interview and must be at least 7. The candidate who has obtained the highest score among the candidates competing for the same position is considered admitted, provided that they have obtained the minimum necessary score.

The applications will be sent to e-mail address resum@nipne.ro, until 15.10.2021.

The written test and the interview will take place on 18.10.2021, ora 10.00.

Further information can be obtained by phone 021/404.61.78 sau 021/404.23.00 int. 5612, 5610.

Bibliography:

1. 1. Lakowicz, Joseph R., Principles of Fluorescence Spectroscopy, 3rd edition, 2006, Springer-Verlag US;
2. Bernard Valeur, Mario Nuno Berberan-Santos, Molecular Fluorescence: Principles and Applications, 2012 Wiley-VCH Verlag GmbH & Co. KGaA;
3. Helgason, Cheryl D., Miller, Cindy L., Basic Cell Culture Protocols, 2013, Springer Science+Business Media, LLC;
4. R. Ian Freshney, Culture of Animal Cells: A Manual of Basic Technique and Specialized Applications, 5th Edition, 2005, Wiley-Blackwell;
5. Kedar N. Prasad, Handbook of Radiobiology, 1995 by CRC Press;
6. Michael C. Joiner, Albert van der Kogel, Basic Clinical Radiobiology Fourth Edition, 2009 by CRC Press;
7. Matlab Image Processing Toolbox, User's Guide;
8. Rafael C. Gonzalez, Richard E. Woods, Digital Image Processing – Instructors Manual.