



**Call for applications for the assignment of 1 research fellowship grant for carrying out Category B research activities, as per Article 22 of Italian Law No. 240/2010, for the Scientific Disciplinary Sector of PHYS-04/A – Theoretical Physics of Matter, Models, Mathematical Methods and Applications, at the facilities of the CIR - Integrated Research Centre and of the Departmental Faculty of Engineering of Università Campus Bio-Medico di Roma.**

Call Code: ASS-RIC/48\_24

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| <b>Departmental Faculty</b>              | Faculty of Engineering   |
| <b>Research theme</b>                    | Ab initio calculations of electronic and optical properties of oxynitrides   |
| <b>Brief description of the research</b> | Ab initio study with many body perturbation theory methods (GW and BSE) of the structural, electronic, and optical properties of bulk, surfaces, interfaces of oxynitrides, for photocatalysis applications. |
| <b>Scientific Supervisor</b>             | Prof.ssa Letizia Chiodo  |
| <b>Scientific Disciplinary Sector</b>    | PHYS-04/A – Theoretical Physics of Matter, Models, Mathematical Methods and Applications   |
| <b>Language knowledge and skills</b>     | English B1   |
| <b>Date of the interview</b>             | <b>24<sup>th</sup> March 2025, at 2:00 p.m.</b><br>Remote candidates on Microsoft Teams platform   |

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