



**UNIVERSITÀ
DI SIENA
1240**

**DIPARTIMENTO DI
MEDICINA MOLECOLARE
E DELLO SVILUPPO
— DMMS**

PhD program in Molecular Medicine

XXXVIII cycle

Final Exam

Siena, February 25, 2026

14:00-17:45

Room 14

Polo Scientifico San Miniato

[Via Aldo Moro 2, Siena](#)

The following candidates are requested to be present at 2:00 PM in Room 14 at the “Polo Scientifico San Miniato”:

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| 1. Dr Pietro Carmellini | 4. Dr Silvia Pérez Casasùs |
| 2. Dr Lorenzo Guidotti | 5. Dr Asia Renzi |
| 3. Rebecca Orsi | 6. Dr Lapo Squillantini |

14:05-14:35 - Dr Pietro Carmellini

“Lifestyle and Molecular Biomarkers as Predictors of Depression Outcomes: The Interplay between Physical Activity, Diet and Gut Microbiota”

14:40-15:10 - Dr Rebecca Orsi

“Whole exome sequencing in vaccine-induced thrombotic thrombocytopenia”

15:15-15:45 - Dr Lorenzo Guidotti

“New insights into retinal physiology and cerebral microcirculation in the 5xFAD murine model of Alzheimer’s disease”

15:50-16:20 - Dr Lapo Squillantini

“Molecular characterisation of heritable thoracic aortic diseases at the Tuscany referral centre for Marfan syndrome and related disorders”

16:25-16:55 - Dr Silvia Pérez Casasùs

“Impact of Endocrine-Disrupting Chemicals on Female Reproductive Health: In Vitro Studies on Endometrial Stromal Cells and Pluripotent Stem Cell-Derived Germ Cell Models”

17:00-17:30 - Dr Asia Renzi

“Advanced sperm selection methods: effects on sperm parameters and IVF outcomes”

17:35 - Proclamation of the New Doctors of Philosophy in Molecular Medicine