



DOCTORATE IN PHARMACEUTICAL SCIENCES



[...ut civitas Perusii sapientia valeat elucere...]

Perugia, A.A. 2021/2022

DOCTORATE IN PHARMACEUTICAL SCIENCES
COORDINATOR: PROF. ANTONIO MACCHIARULO
VICE COORDINATOR: PROF. FRANCESCA MARINI
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Seminars PhD students XXXVI cycle

January 21, 2022

11.30-11.55 **Design and development of ligand binding biophysical assays for the Aryl hydrocarbon receptor (AhR)**

Elisa Bianconi

11.55-12.20 **Study and development of 3D printed bioadhesive patches for wound treatment**

Laura Perez Gutierrez

12.20-12.45 **Chemical derivatization and formulation of cellulose nanocrystals (CNC) as carrier for biological active compounds**

Riccardo Ronchetti

January 28, 2022

12.00-12.25 **Steroids functionalization: enzymes discovery, engineering and their applications in continuous flow technology**

Elena Tomarelli

12.25-12.50 **Development of original enantioselective liquid chromatography (bio)pharmaceutical methods fully compatible with mass spectrometry detection systems**

Ina Varfaj

February 4, 2022

11.35-12.00 **Production and quality control according to the Good Manufacturing Practice of the new radiotracer [18F]JK-PSMA-7**

Vito Lovino

Seminars will be held both in Room A and on Microsoft Teams Platform in Team PL_Dott_Scienze_Farmaceutiche, Aula Didattica 2 at the following link

<https://teams.microsoft.com/l/meetup-join/19%3ada30e9b1d2d946e2b24a925896bdce57%40thredad.tacv2/1642496023503?context=%7b%22id%22%3a%22067e7d20-e70f-42c6-ae10-8b07e8c4a003%22%2c%22oid%22%3a%22c0cabb67-b4de-4957-9cb9-8325e09df5f7%22%7d>

Thematic Seminars PhD students XXXV cycle

February 4, 2022

12.00-12.30 **Mechanochemistry as an emergent tool in the synthesis of active pharmaceutical ingredients**

Lorenzo Pontini

12.30-13.00 **Advanced methods in translational biology: from in silico model to patient-derived organoids**

Alessandra Riccio

February 11, 2022

12.00-12.30 **AI breakthrough in protein structure prediction: the AlphaFold revolution**

Deborah Palazzotti

12.30-13.00 **Electrochemistry: an old tool in the modern organic chemist's toolbox**

Marco Ballarotto

February 18, 2022

12.00-12.30 **Recent developments in bioorthogonal chemistry and applications to drug discovery**

Shiva Tali Shandiz

12.30-13.00 **Photo- and click chemistry, a versatile combination to perform organic reactions**

Italo Franco Coelho Dias

Other Seminars

February 25, 2022

12.00-12.30 **Suspect analysis by High Resolution Mass Spectrometry to study natural complex substrates**

Michela Burico (XXXIV cycle)

Seminars will be held both in Room A and on MicrosoftTeamsPlatform in Team PL_Dott_Scienze_Farmaceutiche, Aula Didattica 2 at the following link

<https://teams.microsoft.com/l/meetup-join/19%3ada30e9b1d2d946e2b24a925896bdce57%40thread.tacv2/1642496023503?context=%7b%22Tid%22%3a%22067e7d20-e70f-42c6-ae10-8b07e8c4a003%22%2c%22Oid%22%3a%22c0cabb67-b4de-4957-9cb9-8325e09df5f7%22%7d>