



Department of pharmaceutical
and pharmacological sciences

**PhD SCHOOL IN
MOLECULAR
SCIENCES**



Department of chemical
sciences

Monday, November 18, 2019
Department of Pharmaceutical and Pharmacological
Sciences
Room 2

NAIC
CONNECTING KNOWLEDGE WORKSHOP



**NUCLEIC ACIDS:
INFORMATION AND CONNECTIONS**

1222-2022
800
ANNI



**UNIVERSITÀ
DEGLI STUDI
DI PADOVA**

PROGRAM

9.00	Welcome	Padova, DSF	Moro, S.
9.10 -10.10	Adventures on the World of Noncanonical Nucleic Acids	Kobe, Fiber	Sugimoto, N.
10.15-10.35	Development and application of tools for the detection and analysis of degenerate DNA patterns potentially forming non-canonical B-DNA structures	Padova, DMM	Toppo S.
10.40-11.00	Nuclease-like nanozymes	Padova, DISC	Scrimin, P. M.
11.00-11.30	Coffee break		
11.30-13.00	ROUND TABLE: CONNECTING KNOWLEDGE		
13.00-14.00	lunch		
14.00-14.20	MS-based approaches in drug development: elucidation of protein-nucleic acids-ligand interactions for the investigation of small molecules mechanisms of action	Padova, DSF	Sosic, A.
14.20-14.40	Supervised Molecular Dynamics: an innovative approach to simulate ligand-target recognition events	Padova, DSF	Sturlese, M.
15.00-15.20	Chemically-fuelled self-assembly of functional nanostructures	Padova, DISC	Prins, L.
15.20-15.40	Coffee break		
15.40-16.00	Vanadium Aminophenolate complexes for DNA cleavage	Padova, DISC	Licini, G.
16.00-16.20	Of Humans and Canines G-quadruplexes: Is It a Small KIT World?	Padova, BCA	Dacasto, M.
16.20-16.40	Identification of a new secondary structure in Mycobacterium Tuberculosis genome as a potential pharmacological target	Padova, DMM	Lavezzo, E.
16.40-17.00	Concluding remarks		