



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

GRADUATE COURSE IN MOLECULAR SCIENCES



From Monday 13th to Thursday 16th May 2019

14:30-16:30

aula F (on Monday and Wednesday), aula E (on Tuesday and Thursday)

Department of Chemical Sciences (DISC), via Marzolo 1

Dr. Guido Pintacuda

*Centre de Résonance Magnétique Nucléaire à très hauts champs de Lyon
Ecole Normale Supérieure de Lyon / CNRS / UCBL, France*



will hold the workshop (8 hours):

Introduction to Solid-State NMR

1. Basics of spin interactions, magic-angle spinning
2. Recoupling and decoupling
3. ¹H detection under magic-angle spinning, 3D correlations, resonance assignment
4. Molecular dynamics in the solid state
5. Applications (i): Membrane protein structure determination
6. Paramagnetic NMR in the solid state
7. Basics of dynamic nuclear polarisation DNP
8. Applications (ii): Chemistry and materials science

Riferimento

Massimo Bellanda

**Il coordinatore del Corso di
Dottorato in Scienze Molecolari**

Leonard Prins

**Il Direttore del
Dipartimento di Scienze Chimiche**

Michele Maggini

