

The school

The IV International Summer School on Cyclodextrins welcomes graduate students, Ph.D students and researchers interested in all the aspects of cyclodextrin chemistry and technology. The lectures will cover several topics on CD and CD inclusion complexes:

**Synthesis of modified CDs
CD based polymers**

**CD nanosponges and nanofibers
CD for drug delivery, nanomedicine,
pharmacy**

**CD for electrophoresis and chiral
chromatography**

**Physical methods for the characterization of
CD and CD complexes**

The lectures will be strongly oriented to teaching and transmission of know-how.

The participants – early stage scientists especially – are invited to submit contributions to the poster session for the discussion of recent individual results and open issues.

The teachers

Federica BALZANO - Univ. Pisa (IT)
Erem BILENSOY - Hacettepe Univ. Ankara (TR)
Fabrizio CALDERA – Univ. Torino (IT)
Roberta CAVALLI – Univ. Torino (IT)
Bezhn CHANKVETADZE – Tbilisi State Un. (GE)
Monica FERRO – Politecnico Milano (IT)
Sophie FOURMENTIN – ULCO Dunkerque (FR)
Gustavo GONZÁLEZ-GAITANO – Un. Navarra (ES)
Kim LAMBERTSEN LARSEN – Aalborg Univ. (DK)
Thorsteinn LOFTSSON – U. Iceland Reykjavik (IS)
Francesca MAESTRELLI – Univ. Firenze (IT)
Milo MALANGA – Cyclolab (HU)
Bernard MARTEL – Univ. Lille1 (FR)
Giuseppina RAFFAINI – Politecnico Milano (IT)
Barbara ROSSI - ELETTRA Synchrotr. Trieste (IT)
Milena SORRENTI – Univ. Pavia (IT)



**POLITECNICO
MILANO 1863**

DIPARTIMENTO DI CHIMICA,
MATERIALI E INGEGNERIA CHIMICA
GIULIO NATTA

**Conference Room “Giulio Natta”
P.zza Leonardo da Vinci 32, Milano
(IT)**

June 10-12, 2019



Associazione Italiana Chimica e Tecnologia delle Ciclodestrine

Sponsored by:



Deadlines

17/05/2019: Registration
17/05/2019: Abstract submission

Information and registration

The official website of the school is active:

<https://indico.chem.polimi.it/event/1/>

For information and contact, send email to:
cdschool2019-dcmc@polimi.it

Registration fee: 350 euro, inclusive of two-nights accommodation, lunches, dinners, coffee breaks and documentation of the School.

Payments: bank transfer. Use the following details:

IBAN: IT62G0200810300000040830737

Bank: Unicredit S.p.A. - Asti (AT)

Payment to: CD.TE.C ASS. ITALIANA Di CHIMICA E TECNOL. CICLODESTRINE

Description of payment: Registration to 4th International Summer School on Cyclodextrins

Organizing committee

- **Andrea MELE (chair)**
- **Francesco TROTTA (chair)**
- Franca CASTIGLIONE
- Greta COLOMBO DUGONI
- Maria Enrica DI PIETRO
- Monica FERRO
- Alberto MANNU
- Walter PANZERI
- Carlo PUNTA

School timetable

June 10, 2019

13.00-14.00 **Registration**

14.00-14.15

Welcome

Andrea Mele and Francesco Trotta

14.15-15.00

Milo Malanga – Cyclolab (Hungary)

Functionalized cyclodextrins: synthetic strategies

15.00-15.45

Barbara Rossi – ELETTRA Synchrotron Trieste (Italy)

Vibrational spectroscopies for CDs and CD polymers

15.45-16.30

Francesca Maestrelli – Univ. Firenze (Italy)

Phase solubility diagrams

16.30-16.45

Coffee Break

16.45-17.30

Giuseppina Raffaini – Politecnico di Milano (Italy)

Molecular modeling of CD complexes

17.30-18.15

Sophie Fourmentin – ULCO Dunkerque (France)

Analytical Methods for the Characterization of Cyclodextrin Inclusion Complexes

19.30 Walking in town and pizza together

June 11, 2019

8.30-9.15

Thorsteinn Loftsson – University of Iceland (Iceland)

Drug delivery with cyclodextrins

9.15-10.00

Erem Bilensoy – Hacettepe Univ. Ankara (Turkey)

Cyclodextrins for nanomedicine

10.00-10.45

Roberta Cavalli – Univ. Torino (Italy)

Pharmaceutical formulations with cyclodextrins

10.45-11.00

Coffee Break

11.00-11.45

Gustavo González-Gaitano – University of Navarra - Spain

Scattering methods for cyclodextrins

11.45-12.30

Fabrizio Caldera – Univ. Torino (Italy)

CD nanosponges: synthesis and applications

12.30-14.00 Lunch

14.00-14.45

Monica Ferro – Politecnico di Milano (Italy)

Dynamics of guests inside CD nanosponges and hydrogels

14.45-15.30

Bezhan Chankvetadze – Tbilisi State Univ. (Georgia)

Electrophoretic separations with cyclodextrins

15.30-16.15

Bernard Martel – University of Lille1 (France)

Electrospinning technology applied to elaboration of cyclodextrins containing nanofibers and applications

16.15-16.30

Coffee Break

**16.30-18.30
20.00**

**POSTER SESSION
Social Dinner**

June 12, 2019

8.30-9.15

Federica Balzano – Univ. Pisa (Italy)

NMR methods in cyclodextrin chemistry

9.15-10.00

Kim Lambertsen Larsen – Aalborg University (Denmark)

Characterisation of CD and CD inclusion complexes in the solid state

10.00-10.15 Coffee Break

10.15-11.00

to be defined

Regulatory aspects of CD

11.00-11.45

Milena Sorrenti – Univ. Pavia (Italy)

Thermal methods for CD inclusion complexes

11.45-12.15

Questions Time and Closing remarks

12.15 Lunch and Good Bye