



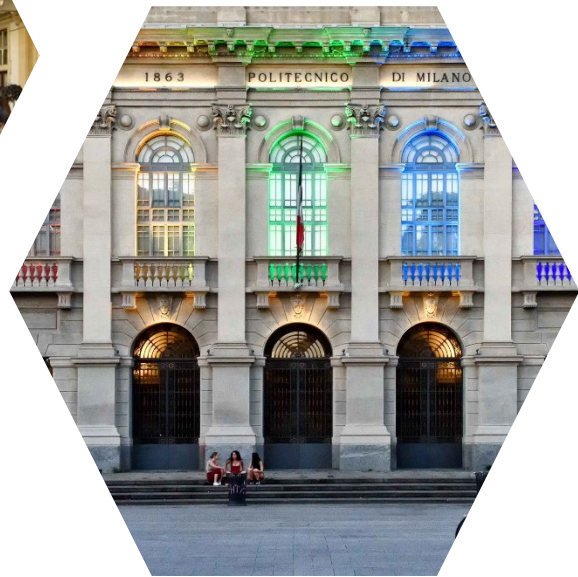
POLITECNICO
MILANO 1863



UNIVERSITÀ
DI TORINO

EuroCD 2025

8th European Cyclodextrin Conference



Book of Abstracts

9th-12th September 2025

Politecnico di Milano



EuroCD 2025 - 8th European Cyclodextrin Conference
Politecnico di Milano, 9th-12th September 2025

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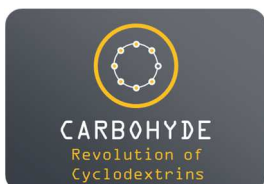
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EuroCD 2025

Politecnico di Milano, Italy

Detailed Day-by-day Schedule/Program

Tuesday 9th September

11:00 - 15:30	Registration
15:30 - 16:00	Opening Isabella Nova - <i>Deputy rector</i> Marinella Levi - <i>Head of Department</i>
16:00 - 16:40	PL1 Frank Biedermann
16:40 - 17:00	KN1 Gjylje Hoti
17:00 - 17:20	OP1 Marco Agnes
17:20 - 17:40	OP2 Kasper S. Hedergaard
17:40 - 18:00	OP3 Sébastien Rigaud
18:00 - 18:20	OP4 Maddalena Sguizzato
18:30 - 21:00	Welcome cocktail

Wednesday 10th September

8:30 - 9:00	Registration
9:00 - 9:40	PL2 Andreas Bernkop-Schnürch
9:40 - 10:00	OP5 Antonino Mazzaglia
10:00 - 10:20	OP6 Vincent Dumouilla
10:20 - 10:40	OP7 Noemi Bognanni
10:40 - 11:00	Coffee
11:00 - 11:20	KN2 Lucio Melone
11:20 - 11:40	OP8 Nicolas Tinet
11:40 - 12:00	OP9 Anita Kiss
12:00 - 12:20	OP10 Cristina Parisi
12:20 - 12:40	OP11 Mary McNamara
12:40 - 13:00	OP12 Daniel Ondo
13:00 - 14:10	Lunch
14:10 - 14:30	OP13 Jindřich Jindřich
14:30 - 14:50	OP14 Saverio Aliberti
14:50 - 15:10	OP15 Milena Sorrenti
15:10 - 15:30	OP16 Yareli Rojas-Aguirre
15:30 - 16:40	Poster session + Coffee
16:40 - 18:00	FP
18:30 - 21:00	Guided tour

Thursday 11th September

9:00 - 9:40	PL3 David H. Thompson
9:40 - 10:00	OP17 Francesca Laneri
10:00 - 10:20	OP18 François-Xavier Legrand
10:20 - 10:40	OP19 Ana-Maria Resmerita
10:40 - 11:00	Coffee
11:00 - 11:20	OP20 Damien Truffin, Julien Parcq
11:20 - 11:40	OP21 Carmen Alvarez-Lorenzo
11:40 - 12:00	OP22 Elisabetta Lacolla
12:00 - 12:20	OP23 Sylvain Laclef
12:20 - 12:40	OP24 Adrian Matencio
12:40 - 13:00	OP25 Balazs Kondoros
13:00 - 14:10	Lunch
14:10 - 14:30	KN3 Sophie Fourmentin
14:30 - 14:50	OP26 Giuseppe Nocito
14:50 - 15:10	OP27 Paolo Di Gianvincenzo
15:10 - 15:30	OP28 Yoshinori Takashima
15:30 - 15:50	OP29 Mariachiara Trapani
15:50 - 17:00	Poster session + Coffee
17:00 - 18:20	FP
20:30 - 23:00	Social dinner

Friday 12th September

9:00 - 9:40	PL4 Ruxandra Gref
9:40 - 10:00	OP30 Daniel I. Hädärugä
10:00 - 10:20	OP31 Antonella Vitiello
10:20 - 10:40	OP32 Siddanth Saxena
10:40 - 11:00	Coffee
11:00 - 11:20	KN4 Milo Malanga
11:20 - 11:40	OP33 Michal Řezanka
11:40 - 12:00	OP34 Askar Gatiatulin
12:00 - 12:20	OP35 Bettina Rávai
12:20 - 12:40	OP36 Angela Scala
12:40 - 13:15	1st T. Loftsson Award
13:15 - 13:30	Concluding remarks

PL: Plenary Lecture

OP: Oral Presentation

KN: Keynote Presentation

FP: Flash Presentation

Poster Session

A supramolecular assembly made of poly-sulfobutyl- β -cyclodextrin and a tetracationic Zn (II) porphyrin for antimicrobial photodynamic therapy

Giuseppe Mistretta,^{1,2} Giuseppe Nocito,¹ Roberto Zagami,² Mariachiara Trapani,¹ Nina Burduja,^{1,2} Milo Malanga,³ Domenico Franco,² Luigi Monsù Scolaro² and Antonino Mazzaglia¹

¹CNR-ISMN URT of Messina at Dept. ChiBioFarAm, University of Messina, Viale F. Stagno d'Alcontres 31, Messina, 98166, Italy

²Dept. ChiBioFarAm, University of Messina, Viale F. Stagno d'Alcontres 31, Messina, 98166, Italy

³CarboHyde, Berlini u. 47-49, Budapest, 1045, Hungary

Presenting author email: giuseppemistretta@cnr.it

The rise of multidrug-resistant (MDR) pathogens poses an increasingly critical challenge in the management of nosocomial infections. Conventional therapeutic treatments often fail due to bacterial resistance mechanisms, including biofilm production, which significantly impairs antibiotic efficacy [1]. Consequently, there is a strong requirement for innovative and more effective therapeutic strategies. In this context, Antimicrobial Photodynamic Therapy (aPDT) has emerged as a highly promising complementary approach [2]. aPDT involves the activation of photosensitizers (PSs) by visible (Vis) or near-infrared (NIR) light, resulting in the generation of cytotoxic reactive oxygen species (ROS), predominantly singlet oxygen (1O_2). Within our ongoing research on nanophotosensitizers (nanoPS) based on cyclodextrins [3,4], we report here a novel supramolecular assembly based on a soluble sulfobutyl- β -cyclodextrin polymers (SBBCDPS) [5] and the zinc(II) derivative of 5,10,15,20-Tetrakis(1-methylpyridinium-4-yl)porphine tetrakis(*p*-toluenesulfonate) (ZnTMPyP). The assembly was fully characterized by UV/Vis, steady-state and time-resolved emission spectroscopies, Dynamic Light Scattering (size and ζ -potential measurements). Stability studies in biological relevant media were carried out to establish the suitability of SBBCDPS/ZnTMPyP assemblies in antibacterial photodynamic application against bacteria involved in fatal hospital-acquired infections.

Acknowledgements: This work was supported by the MUR-PNRR SAMOTHRACE (SiciliAn MicrOnanoTech Research And innovation Center) ECS 00000022 and Programma Regionale SICILIA FSE+ 2021-2027, Priorità 2, ESO 4.7 ('Avviso pubblico n.15/2024) per il finanziamento di borse regionali di dottorato di ricerca in Sicilia

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[2] S. Wu; C. Xu, Y. Zhu; L. Zheng; L. Zhang; Y. Hu; B. Yu; Y. Wang, F. – J., Xu, *Adv. Funct. Mater.* (2021) 31, 2103591.

[3] D. Franco, R. Zagami, L. M. De Plano, N. Burduja, S. P. P. Guglielmino, L. Monsù Scolaro, A. Mazzaglia, *Molecules* (2023) 28, 2493.

[4] R. Zagami, A. Rubin Pedrazzo, D. Franco, F. Caldera, L. M. De Plano, M. Trapani, S. Patanè, F. Trotta, A. Mazzaglia, A. (2023). *Int. J. Pharm.* (2023) 637, 122883.

[5] H.Thomsen, G. Benkovics, É. Fenyvesi, A. Farewell, M. Malanga, M. B. Ericson, *Int. J. Pharm.* (2017) 531, 650.