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TARGETED PROTEIN DEGRADATION: *from biology to pharmacology*

4th June 2024
BOLOGNA

IRCCS Istituto Ortopedico Rizzoli
Centro di Ricerca Codivilla-Putti
Aula Marchetti

Via di Barbiano 1/10 - Bologna

Scientific Coordinators
Dr. Katia Scotlandi
Dr. Caterina Mancarella
Laboratory of Experimental Oncology
IRCCS Istituto Ortopedico Rizzoli

TARGETED PROTEIN DEGRADATION: *from biology to pharmacology*

Conference Aims

Targeted protein degradation is an emerging therapeutic modality based on the use of small molecules called degraders with the potential to tackle “undruggable targets” that have historically been highly challenging to target with conventional small molecules. Application of targeted protein degradation embraces experimental procedures based on engineered systems for ligand-induced protein degradation, computational and medical chemists, and rational design of novel therapeutic approaches.

This meeting will attract the interest of both basic and translational researchers, offering the opportunity to dive into the biggest challenges in early discovery and preclinical stages of targeted protein degradation. Joining a small but multidisciplinary group of academic and pharma discovery scientists with specific expertise in drug development and experimental modeling, attendees will learn how to identify new targets, discover novel ligands, and move them from early discovery to potential drug candidate. Interaction with speakers is favored to generate discussion, foster collaboration and knowledge exchange in the field of protein degradation.

Looking forward for meeting you, we welcome you in the lively city of Bologna, with its blend of fascinating culture, history, and delicious traditional food.

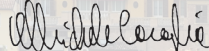
Caterina Mancarella
AICC CTS Member



Katia Scotlandi
AICC Past President



Michele Caraglia
AICC President



GENERAL INFORMATION

Conference Venue

IRCCS Istituto Ortopedico Rizzoli
Centro di Ricerca Codivilla-Putti
Aula Marchetti
Via di Barbiano 1/10, Bologna

Secretary AICC

aicc.meeting@gmail.com

Registration (VAT included)

Deadline: **28th May 2024**

Meeting Registration fee: 75€

Reason for payment (causale):

please, indicate “your surname, name, TPD meeting registration”

Active AICC Membership fee: 50€

Reason for payment (causale):

please, indicate “your surname, name, 2024 AICC Membership”



Please scan the QR code for meeting registration
or use the following link:

<https://docs.google.com/forms/d/e/1FAIpQLSfWYKLgWvb3Hcp4sPmWWT8jWKcMHp0OnqZ5gR-irsbAnLIsQ/viewform?usp=sharing>

Bank transfer to:

Associazione Italiana di Colture Cellulari
IT97B0538703612000003002045
BPER BANCA S.P.A.
L'Aquila, agenzia 10,
Via Campo di Pile, 67100 L'Aquila (AQ)

Copy of the receipt must be sent to:

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SCIENTIFIC PROGRAMME

09.30 | *Registration*

10.00 | OPENING CEREMONY
Greetings from Authorities
Greetings from AICC President

OPENING LECTURE

Chairs: Katia Scotlandi, Michele Caraglia

10.30 | Recruiting E3 ligases for targeted protein degradation: PROTACs, glues and everything in between.
Andrea Testa (*Amphista Therapeutics, Cambridge, UK*)

11.15 | *Coffee break*

Session I

PRECLINICAL MODELING AND CHALLENGES

Chairs: Chiara Riganti, Andrea Morandi

11.45 | Development of PROTAC targeting the RNA-binding protein IGF2BP3 in sarcoma.
Caterina Mancarella (*IRCCS Istituto Ortopedico Rizzoli*)

12.05 | PROTAC 101: how to develop drugs for undruggable targets.
Giuseppe Mancuso (*Promega Italia*)

12.25 | Molecular chameleonicity is an opportunity to discover new oral PROTAC drugs.
Giulia Caron (*University of Turin*)

12.40 | AIRC-IFOM Drug Discovery Platform and Experimental Therapeutics Program.
Ciro Mercurio (*IFOM ETS - The AIRC Institute of Molecular Oncology, Milan, Italy*)

13.00 | *Light Lunch and Networking*

Session II

TARGETED PROTEIN DEGRADATION AS THERAPEUTIC TOOL: PROMISES AND CHALLENGES

Chairs: **Maria Teresa Di Martino, Massimo Donadelli**

- 14.00** Targeting Cyclin D1 with Folding Interfering Degraders, from Laboratory Research to Preclinical Development.
Simone Lanfredini (*Sibylla Biotech S.p.A.*)
- 14.30** Development of PROTACs: a new chemical modality for neurodegenerative and infectious diseases.
Maria Laura Bolognesi (*University of Bologna*)
- 15.00** Degradation of CDK12/13/CCNK induces a vulnerability in some cancers.
Frank Westermann (*German Cancer Research Center, Heidelberg, Germany*)
- 15.30** *Coffee break*

CLOSING LECTURE

Chairs: **Francesca Zazzeroni, Enrico De Smaele**

- 15.45** Challenges in the development of PROTAC
Gabriele Cruciani (*University of Perugia*)
- 16.15** *General Discussion and Closing Remarks*
- 16.45** *AICC General Assembly*

Scientific Coordinators

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