

# CYCLONET

**YOUNG INVESTIGATOR TRAINING PROGRAM 2019  
(YITP 2019)**



*Scientific Coordination*



*YITP Promoter and Funding Agency*

# YOUNG INVESTIGATOR TRAINING PROGRAM 2019

## TO WHOM IT IS ADDRESSED

- **Young Researchers (YR) (MSc, PhD, PostDoc)** affiliated to research structures outside Italy, favouring their participation at International Conferences organized by Research Centres and Italian Universities
- **YR (MSc, PhD; Post Doc)** working in the field of CDs or willing to extend their project on topics concerning CDs, in any case in agreement with their supervisor

## HOW MANY FELLOWSHIPS

- The Committee will assign **9 fellowships** (prizes) to European YR (3000 € each) and **1 fellowship** to an Extra-European YR (4000 € each)

## WHEN

- The announcement of the winners will be published on the website of the 20th International Cyclodextrin Symposium by November 10th, 2021
- From December 2021 to July 2022, YR will spend at least one month in the selected Italian Lab
- Prizes will be officially awarded to winners at 20th International Cyclodextrin Symposium (Giardini Naxos, Messina, 13-17 June 2022)

# Involved Labs & Research Topics

## Nanomedicine and drug delivery

✓ **L1: UNICT, Drug Science Dept, Prof. S. Sortino:** CDs with photoactivable molecules



✓ **L2: UNICT, Chemical Science Dept, Prof. G. Vecchio:** CDs with chelating and targeting units

✓ **L3: UNIME, ChiBioFarAm Dept, Prof. A. Piperno:** Metal NPs ( Au and AgNPs) capped with CD for drug delivey and diagnosis in liquid biopsy



✓ **L4: CNR-ISMN Messina, Dr. A. Mazzaglia:** Magnetic NPs (MNPs) capped with CDs for anticancer drugs delivery



✓ **L5: UNIME, ChiBioFarAm Dept, Prof. S. Conoci:** MNPs with fluorophores for bioimaging



## Involved Labs & Research Topics

✓ **L6: CNR-ISMN, Bologna, Dr. A. Dediu:** Biomarkers detection by MNPs capped CD/Fluorophores



✓ **L7: CNR-ISMN, Bologna, Dr. F. Valle:** Microscopy of vesicles based on CD/drugs

✓ **L8: UNINA Federico II, Dept of Pharmacy, Prof. F. Quaglia:** NPs based on CD for drug delivery in solid tumors



✓ **L9: CNR-ISOF Bologna, Dr. I. Manet:** Nanocomplexes of polymeric CDs and drugs



✓ **L10: UNIFI Chemistry "Ugo Schiff" Dept, Prof. F. Maestrelli:** Binary complexes of CD and drugs



✓ **L11: UNITO, Chemistry Dept, Prof. F. Trotta:** Nanosponges based on CD and nutraceuticals



# Involved Labs & Research Topics

## Green Technologies

- ✓ **L 13: UNIME, ChiBioFarAm Dept**, Prof. G. Gattuso: CDs as sequestering agents of heavy metals
- ✓ **L14: UNIPA, STEBICEF Dept**, Prof. S. Riela: Clays/CD for adsorption of dyes and heavy metals
- ✓ **L15: CNR-ICB Sassari**, Dr. M. A. Dettori: CD/Natural compounds complexes for preservation of environmental degradation and as insect repellents
- ✓ **L16: UNICT, Drug Science Dept**, Prof. A. Rescifina: CDs as supramolecular “green” catalysts;



# Application

**Young researchers (YR)** (MSc, PhD; Post Doc) already affiliated to research structure outside Italy are requested to:

- fill in the form at the following link  
<https://bit.ly/cyclonetapplication>
- send a detailed CV by e-mail to [antonino.mazzaglia@cnr.it](mailto:antonino.mazzaglia@cnr.it)  
(cc: [fabiana.quaglia@unina.it](mailto:fabiana.quaglia@unina.it); [anna.piperno@unime.it](mailto:anna.piperno@unime.it);  
[francesco.trotta@unito.it](mailto:francesco.trotta@unito.it))

**DEADLINE FOR APPLICATION:  
NOVEMBER 5th, 2021 (12:00 AM CET)**

# THANK YOU FOR YOUR ATTENTION

Info: [www.ismn.cnr.it/ics20/index.html](http://www.ismn.cnr.it/ics20/index.html)



**Scientific Coordinator:**  
*Dr Antonino Mazzaglia*  
*antonino.mazzaglia@cnr.it*

