



ISTITUTO NAZIONALE TUMORI
IRCCS – Fondazione Pascale



Course on

*High throughput, High Content
Screening and Image Analysis in
Drug Development*

1st edition



September 23 2019

Istituto Nazionale Tumori IRCCS “Fondazione G. Pascale”
Laboratori Mercogliano- Via Ammiraglio Bianco,
Mercogliano (AV), Aula Seminari

With the patronage of
Città di Mercogliano




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Programme

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- 08.30 Registration and Reception
- 09.00 Welcome address
Gerardo Botti, Alfredo Budillon, Franca Moretti, Francesca Bruzzese
- 09.30-10.30 Introduction: High throughput screening and High content screening in anticancer drug development
Alfredo Budillon
- 10.30-11.30 HTS and HCA for biochemical and cellular identification of candidate chemical probes and drugs. Part I.
Marián Hajdúch
- 11.30-12.30 HTS and HCA for biochemical and cellular identification of candidate chemical probes and drugs. Part II.
Petr Dzubak
- 12.30-13.30 Workstations to efficiently automate assays and sample preparation
Federico Sebastiani
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- 13.30-14.30 **Lunch**
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- 14.30-15.00 LAB SESSION 1
Automation and liquid handling
Daniele Maldini
- 15.00-16.00 Cell Based Assay automation: solutions for better results
Giuseppe Mancuso
- 16.00-17.30 *First part* Introduction to HCS: hardware, software and application.
Second part LAB SESSION 2 high-content imaging systems and tools high-content image analysis
Veronique Berchet
- 17.30-18.00 Learning assessment test and Course closing



SPEAKERS AND CHAIRPERSONS

Veronique Berchet, *PerkinElmer Inc*

Gerardo Botti, *Istituto Nazionale Tumori Fondazione "G. Pascale", Napoli*

Francesca Bruzzese, *Istituto Nazionale Tumori Fondazione "G. Pascale" Napoli*

Alfredo Budillon, *Istituto Nazionale Tumori Fondazione "G. Pascale" Napoli*

Petr Dzubak *Laboratory of Experimental Medicine, Pediatric dpt., Faculty of Medicine and Dentistry, Palacky University in Olomouc, Czech Republic*

Marián Hajdúch, *Institute of Molecular and Translational Medicine, Olomouc, Czech Republic*

Daniele Maldini, *Hamilton Italia s.r.l.*

Giuseppe Mancuso *Promega Italia s.r.l.*

Franca Moretti, *Research Coordination and Support Service, ISS and A_IATRIS, Roma*

Federico Sebastiani, *Hamilton Italia s.r.l.*



SCIENTIFIC COMMITTEE

Gerardo Botti, *Direttore Scientifico*

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SCIENTIFIC SECRETARIAT

Federica Iannelli

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Maria Rita Milone

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Chiara De Nuccio

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GENERAL INFORMATION

Venue: *Aula dei Seminari, Istituto Nazionale Tumori IRCCS "Fondazione G. Pascale" - laboratori di Mercogliano, Via Ammiraglio Bianco, Mercogliano (AV)*

Registration: *Participation is free. The registration form is available at the following link: <https://neuportal.istitutotumori.na.it/>*

For further information, please contact :

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