

Premi di Studio GIC
Premi Poster Citometria

venerdì 18 giugno

2nd WORKSHOP EXOFLOMETRY - GIC

“The Many Faces of Flow Cytometry in Microbiology, Environment,
Food and Biotechnology”

13.00 - 14.00

POSTER presentation GIC-ExoFlowMetry
Short presentations from selected posters

SEMI-AUTOMATED, PULSE-SHAPE SCANNING FLOW CYTOMETRY FOR THE MONITORING OF PHYTOPLANKTON AT FINE SPATIO-TEMPORAL SCALES

Epinoux A.¹, van Dijk M.¹, Amaral-Zettler L.^{2,3}, Zettler .², Artigas L.F.⁴, Bernardi-Aubry F.⁵, Casotti R.¹
1,4. Stazione Zoologica Anton Dohrn, Napoli;
2. NIOZ Royal Netherlands Institute for Sea Research, 't Horntje, the Netherlands;
3. Institute for Biodiversity and Ecosystem Dynamics, Amsterdam, the Netherlands;
4. CNRS UMR8187 LOG, MREN-Université du Littoral, Wimereux, France;
5. CNR-ISMAR Venezia, Italy
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ANTIBODY-BASED FLOW CYTOMETRY METHOD FOR THE DETECTION OF A. MUCINIPHILA IN COMPLEX CELL SUSPENSIONS

Filardi R.¹, Tytgat H.², Reunanen J.³, De Vos W. M.^{2,4}, Mora D.¹, Arioli S.¹
1. Department of Food Environmental and Nutritional Sciences (DeFENS), University of Milan, Milan, Italy
2. Laboratory of Microbiology, Wageningen University, Wageningen, The Netherlands
3. Biocenter Oulu & Cancer and Translational Medicine Research Unit, University of Oulu, Oulu, Finland
4. Human Microbiome Research Program Unit, Faculty of Medicine, University of Helsinki, Helsinki, Finland
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DEVELOPMENT OF A NEW APPROACH FOR ENVIRONMENTAL STATE ASSESSMENT: FLOW CYTOMETRY AND STABLE ISOTOPE ANALYSIS OF THE EPILITHON COMMUNITY AT LAKE BRACCIANO (ROME, ITALY).

Manna Clementel M.^{1,2}, Costantini ML.¹, Calizza E.¹, Rossi L.¹, Lucretti S.²
1. Dept. Environmental Biology, Sapienza University of Rome, Rome, Italy; 2. Dept. for Sustainability, Biotech Lab, ENEA Casaccia Research Center, Rome, Italy
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AN EFFICIENT AND SOLID METHOD FOR A HIGH YIELD EXTRACTION OF NUCLEI FROM MICRO AMOUNT OF FRESH PLANT TISSUE

Metelli G.^{1,2}, Giorgi D.¹, Farina A.¹, Nardi L.¹, Lucretti S.¹
1. Dept. Sustainable Development and Innovation of the Agro-Industrial System, Biotech Lab, ENEA Casaccia Research Center, Rome, Italy;
2. Dept. Agriculture and Forest Sciences -DAFNE, University of Tuscia, Viterbo, Italy

UNCOVERING THE RELEASE OF MICRO/NANOPLASTICS FROM DISPOSABLE FACE MASKS AT TIMES OF COVID-19

Silvia Morgana¹, Barbara Casentini², Stefano Amalfitano²

1. Institute for the Study of Anthropic Impact and Sustainability in the Marine Environment (IAS-CNR), Via della Vasca Navale, 00146 Rome, Italy
2. Water Research Institute (IRSA-CNR), Via Salaria Km 29.300, 00015 Monterotondo (Rome), Italy

WHAT CULTURE-BASED ANALYSES DON'T TELL AND FLOW CYTOMETRY DOES ABOUT VIABLE BUT NON-CULTURABLE MICROORGANISMS

Poscente V.^{1,3}, Bevivino A.¹, Tchuenchieu Kamgain A.², V., Del Fiore A.¹, Arioli S.⁴, Lucretti S.¹

1. ENEA, Italian Natl. Agency for New Technologies, Energy and Sustainable Economic Dev., Rome, Italy;
2. Ctr. for Food and Nutrition Res., Inst. of Med. Res. and Med.I Plants Studies (IMP), Yaoundé, Cameroon;
3. Univ. Campus Biomedico of Rome, Rome, Italy;
4. Div. of Food Microbiol. and Bioprocesses, Dept. of Food, Environmental and Nutritional Sci., Univ. of Milan, Milan, Italy

INVITED LECTURES

- 14.00 ExoFlowMetry: is it real?
Sergio **Lucretti** (ENEA, Biotechnology Laboratory, Rome, Italy)
- 14.15 Tips and tricks for a successful isolation of nuclei in plants
João **Loureiro** (FLOWer Lab, Centre for Functional Ecology, University of Coimbra, Portugal)
- 14.40 Molecular flow cytogenetics
Debora **Giorgi** (ENEA, Biotechnology Laboratory, Rome, Italy)
- 15.05 Unravelling chromatin architecture of condensed plant mitotic chromosomes
Petr **Capal** (Centre of Plant Structural and Functional Genomics, Olomouc, Czech Republic)
- 15.30 DISCUSSION
- 15.45 Flow cytometry applied to the study of plant-microbe interactions
Nadia **Massa** (Science, Technology and Innovation Department - University of Eastern Piedmont "A. Avogadro", Alessandria, Italy)
SUPPORTED BY SYSMEX
- 16.05 How automated flow cytometry can improve our understanding of the plankton structure, distribution and functioning?
Gerard **Gregory** et al. (Institut Méditerranéen d'Océanographie, Marseille, France)
- 16.30 Flow Cytometry in Food Microbiology
Stefania **Arioli** (Food Science, Nutrition and Environment Dept., University of Milan, Italy)
- 16.55 Characterization of Extracellular Vesicles in Seminal Liquid by Nanocytometry
Alberto **Alvarez** (Univ. de Extremadura, Badajoz, Spain)
SUPPORTED BY BECKMAN COULTER
- DISCUSSION
- 17.15 From CYTO2021 to Exoflowmetry 2, Frontiers in Environmental Flow Cytometry
David W. **Galbraith** (Arizona University, AZ, USA)
- 17.40 DISCUSSION and CONCLUSIONS

INFO

Registrazione e Iscrizioni per la partecipazione sono nel sito:

www.citometriagic2021.it

QUOTE DI ISCRIZIONE CONFERENCE 14-18 GIUGNO:

dopo il 30 aprile 2021

Soci GIC

euro **35,00**+ IVA 22%

Non Soci

euro **60,00**+ IVA 22%

QUOTA SPECIALE DI ISCRIZIONE WORKSHOP 18 GIUGNO:

2nd workshop GIC-EXOFLOWMETRY Friday 18th June 2021

25,00 Euro full taxes

Payment by money transfer to IT 05 G 02008 40261 000003932981

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È prevista l'annuale Assemblea dei Soci GIC, l'assegnazione dei Premi di Studio GIC e la presentazione virtuale di materiale e di apparecchiature da parte delle principali Aziende del settore.

I contributi scientifici per comunicazioni orali e poster, dovranno pervenire entro il **24 maggio 2021** e saranno disponibili online nel sito Web di Cytometry e pubblicati nella Rivista "Lettere GIC".

Saranno assegnati 4 "Premi Poster Citometria" in diverse discipline.

Le sessioni si svolgeranno in orari pomeridiani da lunedì 14 a giovedì 17 giugno dalle ore 14.00, mentre nel pomeriggio di venerdì 18 alle ore 13.00 sarà collocato il Simposio satellite dedicato alle applicazione ExoFlowMetry della Citometria.

Le sessioni saranno in diretta su piattaforma ZOOM.