



Issue 3 - June 2022

Editorial

Dear reader,

We are pleased to share our latest activities in this third issue of the ALTERNATIVE Project Newsletter. ALTERNATIVE is a three-year Horizon 2020 research project, which develops an innovative platform for assessing the cardiotoxicity of chemicals. The project has now been up and running for more than half a year, here we summarize the progress we are making.

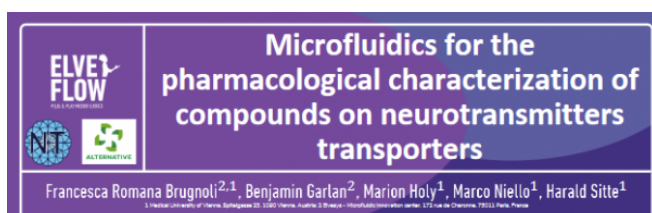
If you would like to know more about our activities and results, we recommend to follow us on [Twitter](#) and [LinkedIn](#), as we regularly publish posts. In addition, you could also regularly check the [News section](#) on our project website.

We hope you find the information in our newsletter interesting and valuable, and we look forward to your questions or comments.

Kind regards,
The ALTERNATIVE Project Team

Project Flyer

Download the [ALTERNATIVE Project Flyer \(2 pages, PDF\)](#) and know more about our project.



ALTERNATIVE
partner Elvesys
participated in

a poster session on the topic

“Microfluidics for the pharmacological characterization of compounds on neurotransmitters transporters”

ALTERNATIVE partner Elvesys participated at Gordon Research Conference, Membrane Transport Proteins, Biomedical Transporters: Physiology, Dysfunction and Targets of Pharmacotherapy from June 12 - 17, 2022. They presented a poster on the topic “Microfluidics for the pharmacological characterization of compounds on neurotransmitters transporters”. The event was designed to maximize productive interaction and discussion between scientists. Varied sessions included emerging research on ...

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Protocol for a Systematic Review and Meta-Analysis of Observational Studies on the Association of Exposure to Toxic Environmental Pollutants and Left Ventricular Dysfunction

by  Munzia Linzalone¹  Gabriele Donzelli^{1,2*}  Maria Aurora Morales¹ and  Federico Vozzi¹

¹ Institute of Clinical Physiology of the National Research Council (CNR-IFC), 56124 Pisa, Italy

² Department of Health Sciences, University of Florence, 50134 Florence, Italy

Novel protocol on direct myocardial

damage due to different kinds of environmental toxicants

On June 18th, 2022, in the International Journal of Environmental Research and Public Health, volume 19, number 12, an article has been published about the protocol of a systematic review on cardiotoxicity and the environment. The article “Protocol for a Systematic Review and Meta-Analysis of Observational Studies on the Association of Exposure to Toxic Environmental Pollutants and Left Ventricular Dysfunction” ...

[Read more.](#)

ALTERNATIVE partner co-leads AOP pre-

Invited speakers



Dalma Martinovic-Weigelt
University of St. Thomas, USA
Pre-conference AOP workshop, Monday 23rd May
Leader of the workshop



Sivakumar Murugadoss
Sciensano, Risk and health impact assessment unit, Belgium
Pre-conference AOP workshop, Monday 23rd May
AOP workshop trainer

conference workshop in ICAW/EEMGS conference

From 23rd - 26th May 2022, the 14th International Comet Assay Workshop (ICAW) and 50th EEMGS (Environmental Mutagenesis and Genomics Society) joint meeting was organised in Maastricht, Netherlands. EEMGS is comprised of regional mutagenesis societies across many European countries while ICAW unites genetic toxicologists worldwide with specific interest in the comet assay. A pre-conference workshop on Adverse Outcome Pathways (AOP) ...

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Productive meeting of ALTERNATIVE advisory board

On 19th & 20th May, ALTERNATIVE advisory board, online meeting took place. The purpose of the advisory board is to provide advice on the direction and implementation of ALTERNATIVE's work and on effective ways for using the ALTERNATIVE platform. Board members and participants were welcomed by ALTERNATIVE project coordinator Gianluca Ciardelli, Politecnico di Torino and the meeting organizer Milon Gupta. ...

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Participation of Sciensano in AOP visualisation group session organised by European Commission



On May 11th 2022, Sciensano participated in an Adverse Outcome Pathway (AOP) visualisation focus group session organized at the European Commission, Brussels, Belgium. The aim of this group session was to invite experts in AOP development and explore what user-centric design of the AOP

graphic should and ultimately look like. Graphic plays an important role in the interface between AOPs ...

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REVIEW

Macromolecular
Bioscience
www.mbs-journal.de

Use of Polyesters in Fused Deposition Modeling for Biomedical Applications

Arianna Grivet-Brancot, Monica Boffito, and Gianluca Ciardelli**

[Scientific Paper](#)
[on Use of](#)
[Polyesters in](#)

[Fused Deposition Modeling for Biomedical Applications in Macromolecular Bioscience Journal](#)

On 30 April 2022, Partners from Politecnico di Torino published a paper on Use of Polyesters in Fused Deposition Modeling for Biomedical Applications in Macromolecular Bioscience Journal published by Wiley-VCH GmbH. This is a peer-reviewed publication and is expected to have Scientific community reach of 40000 persons. In this work, the use of thermoplastic polyesters in biomedical 3D ...

[Read more.](#)



[ALTERNATIVE](#)
[results](#)
[presented at](#)
[MicroPhysio](#)

[conference in Cargèse](#)

ALTERNATIVE consortium partner Elvesys presented selected project results at the first edition of the MicroPhysio conference on "Micro-physiological models: From organoids to organs-on-chip", which took place at the CNRS center in Cargèse, Corsica (France) from 11th to 15th April 2022. The ALTERNATIVE project was represented by Camila Betterelli Giuliano, PhD candidate at the Innovation Unit of Elvesys. In a poster ...

[Read more.](#)

Upcoming Events

ALTERNATIVE Partners from the National Research Council Of PISA will present “Protocol of the systematic review at the XLV Congress of the Italian Association of Epidemiology”

June 29 @ 8:00 am - July 1 @ 5:00 pm CEST

ALTERNATIVE partner IVTech participate as Exhibitor at [The European Organ-on-Chip Society](#). The technology will be shown on the stand. The commercial version of MD will be proposed, as well as the evolution as an R&D activity.

July 4 @ 8:00 am - July 5 @ 5:00 pm CEST

ALTERNATIVE partners from Politecnico di Torino present on "Tissue engineering inspired tissue and organ models: recent technological advances and road to the bedside and market" at ESB Bordeaux 2022.

ALTERNATIVE contributes to a session proposal for EUSAAT conference 2022, 26-28. September

September 26 @ 8:00 am - September 28 @ 5:00 pm CEST



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Imprint

Editor and responsible according to German law:

Pooja Mohnani, Eurescom GmbH, Wieblinger Weg 19/4, 69123 Heidelberg, Germany, phone: +49 15259493971, e-mail: contact@alternative-project.eu

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