

**TWINALT- TWINNING TOWARDS EXCELLENCE IN ALTERNATIVE METHODS FOR TOXICITY ASSESSMENT**
**S&T Course 2 - Immunotoxicity: theoretical and practical course on the use of the whole blood assay**

Theoretical online: November 8-12, 2021 (free, open to all upon registration)

 Please **register** here:

<https://teams.microsoft.com/registration/7161ExhwdEaj18wNsG1UXA,dQBp6TfFB0ir2ldoyfaLlg,yaSs1uEobEW3MjvkSBrsYA,WUCQkDoaLUKGgfhSkaldVg,kVs1qALis0aOpHBGxSRngw,0tOFh2Y1j0uFyPRZmber2A?mode=read&tenantId=13b55eef-7018-4674-a3d7-cc0db06d545c>

 For any question or technical issue related to the webinar, please contact **toxlab@unimi.it**

MONDAY 8 <sup>TH</sup>	TUESDAY 9 <sup>TH</sup>	WEDNESDAY 10 <sup>TH</sup>	THURSDAY 11 <sup>TH</sup>	FRIDAY 12 <sup>TH</sup>
14:00-14:15*	14:30-15:15	14:30-15:15	15:00-15:45	9:00-10:15
<i>Welcome address</i> Marina Marinovich, Univ. of Milan, Italy	<i>In vitro tests addressing immunotoxicity with a focus on immunosuppression</i> Emanuela Corsini, Univ. of Milan, Italy	<i>A comprehensive approach to assess immunotoxicity using in vitro methodologies</i> Dori Germolec NIEHS, RTP, NC, USA or Vic Johnson, BRT, Morrisville, NC, USA	<i>The history of the whole blood assay</i> Thomas Hartung, CAAT, John Hopkins University, Baltimore, MA, USA	<i>Computational strategies: the Universal Immune System (UISS) Simulator</i> Francesco Pappalardo, Univ. of Catania, Catania, Italy
14:15-16:00	15:15-15:30	15:15-15:30	15:45-16:00	10:15-10:30
<i>Introduction to immunotoxicology</i> Emanuela Corsini, Univ. of Milan, Italy	Q&A	Q&A	Q&A	Q&A
16:00-16:30	15:30-16:00	15:30-16:15	16:00-16:30	10:30-12:00
Q&A	<i>In vivo and in vitro effects of glyphosate on T helper cells</i> Ambra Maddalon, Univ. of Milan, Italy	<i>Key characteristics of immunotoxicants</i> Dori Germolec, NIEHS, RTP, NC, USA	<i>A tutorial on the use of the whole blood assay in immunotoxicology</i> Thomas Hartung, CAAT, John Hopkins University, USA	<i>In hands on the use of UISS</i> Francesco Pappalardo, Univ. of Catania, Italy
	16:00-16:15	16:15-16:30	16:30-17:00	12:00-12:15
	Q&A	Q&A	<i>The use of the whole blood assay in the study of pesticide immunotoxicity</i> Valentina Galbiati, Univ. of Milan, Italy	Q&A
			17:00-17:30	12:15-12:30
			Q&A	<i>Concluding remarks</i>

\*Times set to Rome time