

# WORKSHOP ON OSAR MODELS FOR REACH







Mario Negri Institute, Milan, Italy - March 10-11, 2009



### **Emilio BENFENATI**

Istituto di Ricerche Farmacologiche Mario Negri

# INTRODUCTION the **Project** and the **Workshop**

Computer Assisted Evaluation of industrial chemical Substances According to Regulations







BINGhenles







HELMHOLTZ ZENTRUM FÜR UMWELTFORSCHUNG UFZ





SIXTH FRAMEWORK PROGRAMME



## THE CONSORTIUM OF THE CAESAR PROJECT



Istituto di Ricerche Farmacologiche Mario Negri coordinator

Central Science Laboratory

BioChemics Consulting SAS

Politecnico di Milano

KnowledgeMiner Software Frank Lemke

Liverpool John Moores University

Helmholtz-Zentrum für Umweltforschung - UFZ

Kemijski inštitut Ljubljana Slovenija

TNO - Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek

### THE COORDINATOR





The Mario Negri Institute for Pharmacological Research is a **not-for-profit biomedical research organization**. It was founded in 1961, and started work in Milan on 1 February 1963. There are now research units in Bergamo, at Ranica – near Bergamo – and at Santa Maria Imbaro, near Chieti.

The Institute's main aim is to help defend human health and life

http://www.marionegri.it

### Andrew WORTH

European Commission Joint Research Centre - EC JRC - IHCP

Betty HAKKERT Rijksinstituut voor Volksgezondheid en Milieu - RIVM

THE ADVISORY COMMITTEE

Carlo ZAGHI Ministero dell'Ambiente e della Tutela del Territorio e del Mare

Kevin HARRADINE Syngenta Ltd

#### http://www.caesar-project.eu/





EUROPEAN COMMISSION









# **COLLABORATIONS**





### **US EPA**



Dr. Ann M. Richard - US EPA - NCCT : validation of toxicity data Dr. Douglas Young & Dr. Todd Martin - US EPA - NRMRL : chemical descriptors







OSIRIS

Intelligent Testing Strategy

### CHEMPREDICT



CHEMOMENTUM

automatic QSAR models

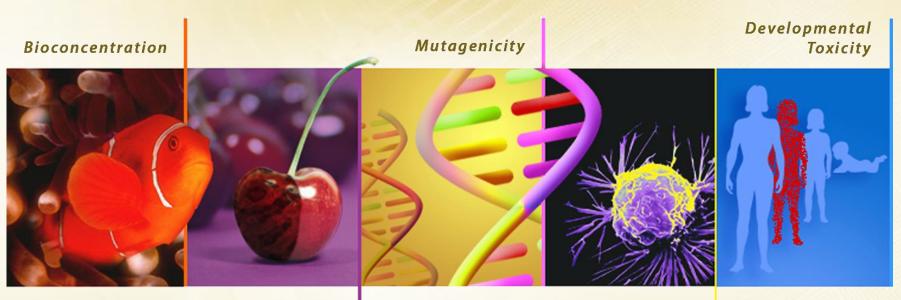






## THE CAESAR ENDPOINTS





Skin Sensitization

Carcinogenicity





Mario Negri Institute, Milan, Italy - March 10-11, 2009

# Programme

OF THE CAESAR WORKSHOP

Speakers and Oral Presentations

# PROGRAMME

Tuesday,	March 10 <sup>th</sup>
15:50 - 16:00	Introduction
	Emilio Benfenati coordinator of the CAESAR project
	Istituto Mario Negri - Laboratory of Environmental Chemistry and Toxicology Milan, <b>Italy</b>
16:00 - 16:30	The second phase of the (Q)SAR Application Toolbox
	Doris Hirmann
	European Chemicals Agency (ECHA) Helsinki, <b>Finland</b>
16:30 - 17:00	Computational tools and guidance developed by the JRC
	Klaus Daginnus
	European Commission Joint Research Centre (EC JRC) Ispra, <b>Italy</b>
17:00 - 17:30	Use of QSAR models for REACH and the CAESAR approach
	Emilio Benfenati
	Istituto Mario Negri - Laboratory of Environmental Chemistry and Toxicology Milan, <b>Italy</b>



Social Dinner

Osteria dei Vecchi Sapori - Via Carmagnola 3, Milan





### Wednesday, March 11<sup>th</sup>

08:45	REGISTRATION Opening
09:30 - 10:00	Technical aspects behind the CAESAR models
	Emilio Benfenati
	Istituto Mario Negri - Laboratory of Environmental Chemistry and Toxicology Milan, <b>Italy</b>
10:00 - 10:30	The model for bioconcentration in fish
	Alessandra Roncaglioni
	Istituto Mario Negri - Laboratory of Environmental Chemistry and Toxicology Milan, <b>Italy</b>
11/13/11	coffee break
11:00 - 11:30	The model for skin sensitization
	Qasim Chaudhry
	Central Science Laboratory York, <b>United Kingdom</b>
11:30 - 12:00	The model for mutagenicity
	Giuseppina Gini
	Department of Electronics and Information, Politecnico di Milano Milan, <b>Italy</b>
	lunch break
13:30 - 14:00	The model for carcinogenicity
	Marjana Novič
	Kemijski institut Ljubljana Slovenija Ljubliana, <b>Slovenia</b>





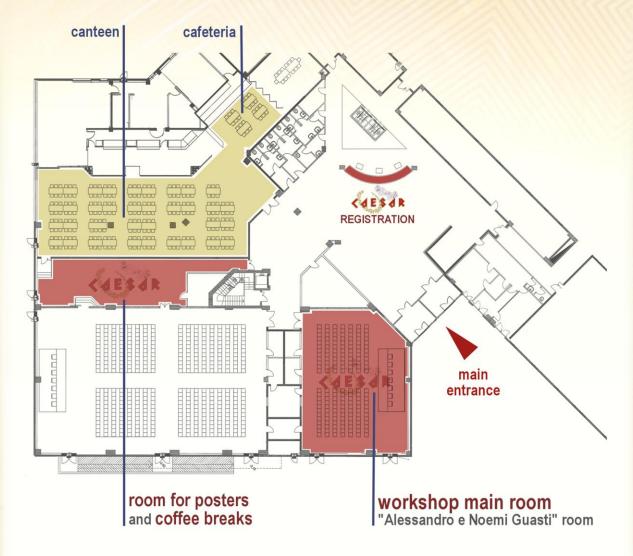
14:00 - 14:30	The model for developmental toxicity
	Qasim Chaudhry
	Central Science Laboratory
	York, United Kingdom
14:30 - 15:00	The local models for skin sensitization and developmental toxicity
	Steven J. Enoch
	Liverpool John Moores University, School of Pharmacy and Chemistry Liverpool, <b>United Kingdom</b>
15:00 - 15:30	The applicability domain of the CAESAR models
	Gerrit Schüürmann
	Helmholtz-Zentrum für Umweltforschung UFZ Leipzig, <b>Germany</b>
	coffee break
16:00 - 16:30	Enhancing CAESAR models
	Frank Lemke
	KnowledgeMiner Software Frank Lemke
	Panketal, Germany
16:30 - 17:00	The use of the models for risk assessment and classification
	Tialda Bouwman
	N. O. voor Toegepast Natuurwetenschappelijk Onderzoek - TNO Zeist, <b>The Netherlands</b>
17:00	Discussion & Conclusions
	Emilio Benfenati
	Istituto Mario Negri - Laboratory of Environmental Chemistry and Toxicology Milan, <b>Italy</b>





### **PRACTICAL INFORMATION**





### PRACTICAL INFORMATION



### Main details about access to the Mario Negri Institute

- **1** At the end of the session on **March 10**, please remember to **SIGN** the *attendance register* before leaving the Institute.
- **2** Please keep with you the *identification badge* at the end of the session on March 10.
- **3** On **March 11**, the **registration will re-open** at **8:45** and each participant will have to *SIGN* the *attendance register*.
- **4** At the **end of the workshop**, please remember to **SIGN** the *attendance register* before leaving the Institute.
- **5** If you have a **car** in the Institute park , please ask the reception for a **coin** to get out.

#### During *registration on March 11* please remind to take TICKETS for LUNCH



badge for REGISTERED PARTICIPANTS



badge for CAESAR CONSORTIUM MEMBERS MATERIALS FROM THE CAESAR PROJECT Selected Papers and Posters

PROGRAMME

ORKSHOP

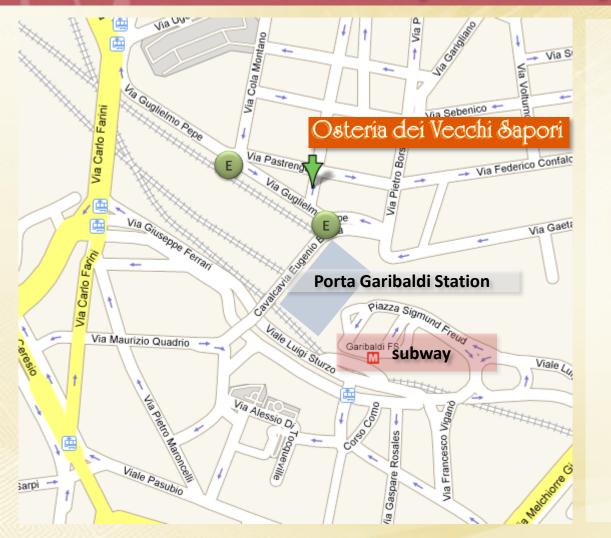
### PRACTICAL INFORMATION

### MARCH 10



19:30

#### Social Dinner Osteria dei Vecchi Sapori - Via Carmagnola 3, Milan



The restaurant is near to the Porta Garibaldi Railway Station and to the stop Garibaldi FS of the subway line 2 (green line)

It can be reached from the Institute, with trains (*line S10*) starting from *Bovisa* to *Porta Garibaldi* at 19:06, 19:10 and 19:25

To return to Bovisa, there will be trains from Porta Garibaldi every 30 minutes (22:09, 22:39, 23:09 until 23:39)



EXITS from the *Porta Garibaldi Station* near to the Restaurant