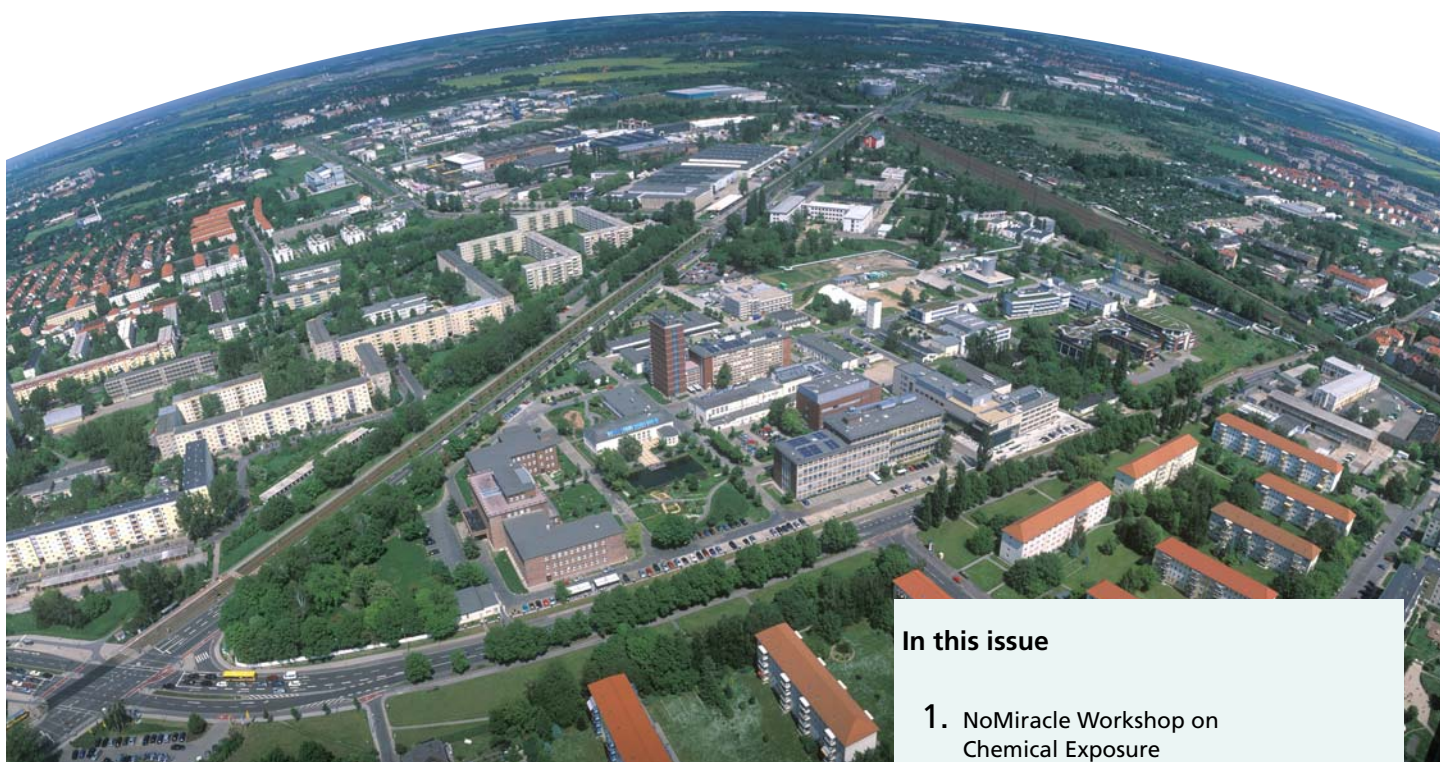


NoMiracle Workshop on

Chemical Exposure

Leipziger KUBUS–UFZ, Germany, 1-2 April, 2008



Campus UFZ, Leipzig.
Photo: Punktum.

Background

Risk assessment depends critically on how to assess the effect-relevant exposure of contaminants. In the EU project NoMiracle, novel methods have been developed to characterize the matrix-specific concentration and bioavailability of contaminants, to predict compound partitioning and degradation under natural conditions, and to simulate the multimedia fate of contaminants with explicit consideration of spatial and temporal variation. The new experimental and theoretical methods are expected to improve exposure assessment and through that risk assessment significantly.

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NoMiracle Newsletter No. 11

NOvel Methods for Integrated Risk Assessment of Cumulative stressors in Europe

NoMiracle Workshop on Chemical Exposure – Leipziger KUBUS – UFZ, Germany, 1-2 April, 2008

Scope

The workshop will serve as platform to inform industry, governmental authorities and academia about the novel methods and procedures developed, and about their scope in the context of EU-wide regulations concerning the human and environmental hazard and risk associated with chemical substances in the environment such as REACH, the Water Framework Directive, and Directives concerning biocides and pesticides.

Topics

- Sorption into organic matter and biomembranes
- Availability of xenobiotics and metals
- Biodegradation rates and pathways
- Degradation of airborne compounds through indirect photolysis
- Multimedia fate including spatial and temporal resolution

Venue

- UFZ Helmholtz Centre for Environmental Research, Permoserstraße 15, 04318 Leipzig, Germany
- UFZ campus, "KUBUS" building directly at the campus entry
- Workshop duration: 1 April, 12.30 (registration) – 2 April, 14.00 hours

Organizing Committee

Ian Cousins, ITEM Stockholm, Sweden
Philipp Mayer, NERI Univ. Aarhus, Denmark
Gerrit Schüürmann, UFZ Leipzig, Germany (chair)

Further information

nomiracle@dmu.dk
gerrit.schuurmann@ufz.de



Leipziger KUBUS–UFZ.
Photo: André Künzelmann.

Athon Mixture Toxicity Workshop Amsterdam 1 April 2008

The FP6 network ATHON organises a one-day open workshop on mixture toxicity – test design, case studies and risk assessment.

The workshop will take place on 1st April 2008 from 9 AM to 6 PM. The workshop will be held at Vrije Universiteit (VU), close to Schiphol Airport in Amsterdam, The Netherlands.

This thematic workshop will focus on various aspects of mixture toxicity and will include an interactive afternoon program with participants joining one of three groups chaired by prominent scientists who will lead interactive discussion on mixture toxicity related topics.

Among the speakers are prominent scientists from NoMiracle, namely Prof. Albert Duschl from University of Salzburg, who will speak on "Cell-based methods for measuring effects of mixtures of environmental pollutants on the human immune system", and Dr. Ad Ragas from Radboud University Nijmegen, who will speak on "Risk assessment of mixtures".

Further information: <http://nomiracle.jrc.it>



Photo: André Künzelmann.

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Workshop Programme

Platform presentations:
15 min + 5 min discussion

Tuesday, 1 April 2008		(Day 1)
12.30 – 13.45	Registration and Lunch	
13.45 – 14.00	NOMIRACLE research into novel methods to assess chemical exposure <i>Gerrit Schüürmann</i>	UFZ Leipzig, Germany
14.00 – 14.20	Abraham model for Kmw as new surrogate for predicting bioconcentration and baseline toxicity <i>Ralph Kühne, Ralf-Uwe Ebert, Nicole Dabitz-Gutsche, Albrecht Paschke, Gerrit Schüürmann</i>	UFZ Leipzig, Germany
14.20 – 14.40	Koc – Experimental findings and modelling <i>Kai-Uwe Goss</i>	UFZ Leipzig, Germany
14.40 – 15.10	Break	
15.10 – 15.30	Availability and exposure of hydrophobic organics – new findings based on chemical activity <i>Philipp Mayer</i>	NERI Univ. Aarhus, Denmark
15.30 – 15.50	Bioavailability of metals in soils and sediments – Supply dynamics and diffusive flux <i>Hao Zhang</i>	Univ. Lancaster, United Kingdom
15.50 – 16.10	Outdoor vs. indoor exposure towards VOC <i>Tibor Kohajda</i>	UFZ Leipzig, Germany
16.10 – 16.40	Discussion	
16.40	End of first day	
Wednesday, 2 April 2008		(Day 2)
9.00 – 9.20	Biodegradation in the lab under semi-natural conditions – Concept and methodology <i>Thomas Junker</i>	ECT Flörsheim, Germany
9.20 – 9.40	Screening-level prediction of biodegradation rates <i>Robert Rallo, Francesc Giral</i>	URV Tarragona, Spain
9.40 – 10.00	Predicting biodegradation rates and pathways – QSAR approach employing weight of evidence <i>Saby Dimitrov, Ovanes Mekenyan</i>	LMC Bourgas, Bulgaria
10.00 – 10.20	Predicting rates of indirect photolysis – Atkinson vs. quantum chemical approach <i>Anna Böhnhardt, Gerrit Schüürmann</i>	UFZ Leipzig, Germany
10.20 – 10.50	Break	
10.50 – 11.10	Estimating fate with neural network models <i>Robert Rallo, Francesc Giral</i>	URV Tarragona, Spain
11.10 – 11.30	Substance or space? The importance of using spatial-explicit environmental characteristics in fate models <i>Mark Huijbregts</i>	RU Nijmegen, The Netherlands
11.30 – 11.50	Empirical evaluation of spatial and non-spatial European-scale multimedia fate models: Results and implications for risk assessment <i>Ian Cousins</i>	ITM Stockholm, Sweden
11.50 – 12.30	Discussion	
12.30 – 14.00	Lunch and Closure	

Workshop Accomodation

Hotels with special arrangements

Please make your reservation via e-mail or tel. until 9 March 2008, using the keyword “NoMiracle”. Please note that the special “NoMiracle” arrangement can not be made when using the online reservation feature of the hotel homepage.

Suite Hotel Leipzig ****

www.suitehotel-leipzig.de, Permoserstraße 50, 04328 Leipzig

Tel: +49-341-2589-0, Fax: +49-341-2589-444, E-mail: info@suitehotel-leipzig.de

Near UFZ, approx. 5 min. walk.

UFZ rate (30 rooms reserved): Single room 61 €, double room 82 € (incl. breakfast).

Central railway station → Suite Hotel Leipzig:

Tram No. 3 or No. 13 (12 min) direction Sommerfeld or Taucha,

get out at station Torgauer/Permoserstraße (leave 7th station),

then take bus No. 90 (direction Paunsdorf Center), leave at the 1st stop, station Leonard-Frank-Straße (alternative to the bus this last part is a walking distance of 10 min).

Notice: underground parking garage 5 €/day.

Novotel ****

www.novotel.com, Goethestraße 11, 04109 Leipzig

Tel: +49-341-9958-0, Fax: +49-341-9958-200, E-mail: H1784@accor.com

In the city centre, opposite to central station, very good public transport connection.

UFZ rate (20 rooms reserved): Single room 72 € (incl. breakfast).

Hotel Novotel → Leipziger KUBUS–UFZ:

Tram No. 3 or No. 13 (12 min) direction Sommerfeld or Taucha,

get out at station Torgauer/Permoserstraße (leave 7th station).

Note: underground parking garage 8 €/day.

Victor's ****

www.victors-leipzig.bestwestern.de

Georgiring 13, 04103 Leipzig

Tel: +49-341-68-66-0, Fax: +49-341-68-66-899, E-mail: info@victors-leipzig.bestwestern.de

In the city center/near central station (east side), very good public transport connection.

UFZ rate (20 rooms reserved): Single room 85 €, double room 100 € (incl. breakfast).

Hotel Victor's → Leipziger KUBUS–UFZ:

Tram No. 3 or No. 13 (12 min), direction Sommerfeld or Taucha,

get out at station Torgauer/Permoserstraße (leave 7th station).

Note: Parking place behind the hotel 8 €/day or underground parking garage 13 €/day.



Leipziger KUBUS–UFZ.
Photo: André Künzelmann.

How to reach Leipziger KUBUS–UFZ

By road

On A14 motorway take exit marked "Leipzig-Ost" and heading for Stadtzentrum (City Centre).

By rail

From Leipzig Central Station take No. 3 (heading for "Sommerfeld") or No. 13 (heading for "Taucha"). After about 15 minutes alight at stop "Torgauer/ Permoserstraße", cross the street and take the street Permoserstraße in eastern direction. After about 200 metres you will find the main entrance of the UFZ. For your information: Travel Service Information of the German Railway.

By plane

From Leipzig/Halle Airport, take the train (regional express) to the Leipzig Central Station (3,20 € one-way). From the Central Station, take No. 3 (heading for "Sommerfeld") or No. 13 (heading for "Taucha").

By taxi

A taxi from Leipzig Central Station to the UFZ will cost about 10 €. The fare from Leipzig-Halle Airport is about 30 €.



NoMiracle Newsletter No. 11

NOvel Methods for Integrated Risk Assessment of CumuLative stressors in Europe



Campus UFZ, Leipzig.
Photo: André Künzelmann.

Registration

Venue

- UFZ Helmholtz Centre for Environmental Research, Permoserstraße 15, 04318 Leipzig, Germany
- UFZ campus, “KUBUS” building directly at the campus entry
- Workshop duration: 1 April, 12.30 hours (registration) – 2 April, 14.00 hours

Costs

- Catering fee: 35 € (2 coffee breaks and 2 lunches at conference site)
 - No other costs
- Total costs = 35 € to be paid in advance

Registration

Please send E-mail indicating your attendance to: antje.zschernitz@ufz.de
The maximum number of participants is limited to ca. 60 persons.
Accordingly, a first-come-first-serve principle will apply.

Deadline: 18 March 2008

Payment

Please transfer 35 € (catering fee) to the following bank account:

Bank:	Bayerische Hypo-und Vereinsbank AG (Address: Markt 5/6, 04109 Leipzig, Germany)
Account holder:	UFZ Leipzig
BLZ:	860 200 86
Account no.:	5080186136
Code (to identify your payment):	NOMIRACLE + Name of participant
IBAN:	DE 12860200865080186136
SWIFT (BIC):	HYVEDEMM495
Our VAT:	DE 141507065
Our tax no.:	232/124/00416

Deadline: 18 March 2008

Further information

nomiracle@dmu.dk	(NoMiracle office at NERI, Denmark)
antje.zschernitz@ufz.de	(Secretary at UFZ Leipzig, Germany)
gerrit.schuermann@ufz.de	(Chair of Organizing Committee at UFZ)

For detailed information on these courses

<http://www.bio.ua.pt>
<http://www.cesam-ua.pt>

or contact Mónica Amorim; email:

mjamorim@ua.pt

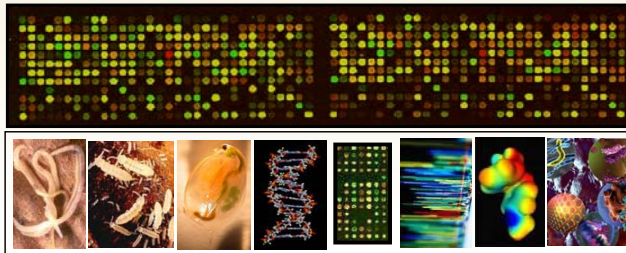
Summer Courses

Advanced Workshop Studies in Biology and Applied Biosciences



**9-14
June 2008**

LICHENS: Bioindicators of Atmospheric Pollution



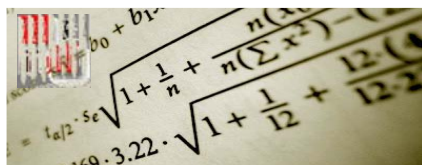
**16-21
June 2008**

PRACTICAL APPROACH TO ECOTOXICOGENOMICS



TOPICS ON ENVIRONMENTAL MIXTURE TOXICITY

**30- 4 July
2008**



INTRODUCTION TO BIostatISTICS AND TOXRAT SOLUTIONS

**7- 11 July
2008**

universidade de aveiro
departamento de biologia



debio

CESAM



Centre for Environmental and Marine Studies
www.cesam.ua.pt

First Announcement

NoMiracle Open Workshop on Integrated Assessment of Environmental and Human Health

September or October, 2008

The 4th Open NoMiracle Workshop, entitled "Integrated Assessment of Environmental and Human Health", will be held in the autumn of 2008 (date and location of the workshop still remain to be decided).

The workshop will address two major issues, namely new developments in methods for assessing the effect of mixtures of chemicals and of combinations of chemicals and natural stressors, and how to achieve more effective integration of the risk analysis of environmental and human health effects.

The topics of the workshop will include agents (chemical mixtures, multiple sources, chemicals and other agents), time scales (also inter-generational) and receptors (human and non-human, age groups), endpoints and consequences, and stages of activity (research or testing – assessment – management – monitoring).

The topics include investigations on the uptake, elimination and metabolism kinetics of chemicals in test organisms, upon exposure in soil or water, and methods for pharmacokinetics analysis of chemical mixtures.

The area of uncertainty analyses will be included, helping elucidate the relative share of the human and non-human components in the overall uncertainty, and the options for integration across receptors and sectors.

Further, the development of new methods for comparative risk assessment by integration of mixture toxicity and multiple stressors (i.e., comparison of toxic stress and climate) will be addressed in the workshop, as well as pre-normative research on improving the current state of measurements and testing for testing of combined stressors, and for indicators for monitoring of populations of humans (indoor and outdoor) and species in the environment.

When the date and location of the workshop is finally decided it will be announced on the NoMiracle Webpage
<http://nomiracle.jrc.it>

More information:
Dave Spurgeon; e-mail: dasp@ceh.ac.uk

NoMiracle co-ordination

Visit NoMiracle and subscribe to
the Newsletter at: <http://nomiracle.jrc.it>

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EC Scientific Officer for the project:
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*Articles in the NoMiracle Newsletter do not necessarily
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