



wifi code



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Password:  
hotel

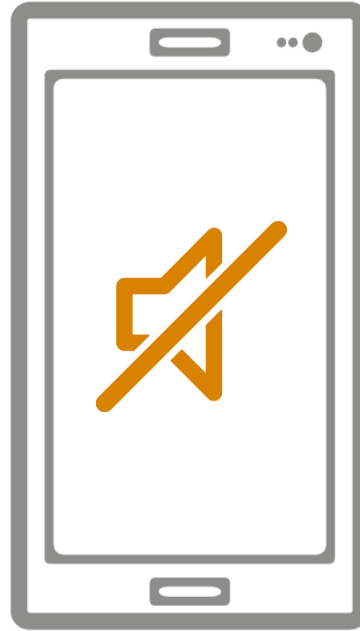
***Joint European Food Safety Authority  
(EFSA) and Evidence-based Toxicology  
Collaboration (EBTC) Colloquium***

**Evidence integration in risk assessment:  
the science of combining apples and  
oranges**

**Lisbon, 25-26 October 2017**



# **Logistical Information**



**Switch your mobile to silent mode**



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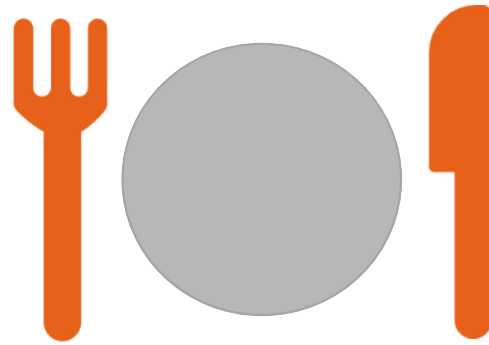
**wifi code**

Login:

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Password:

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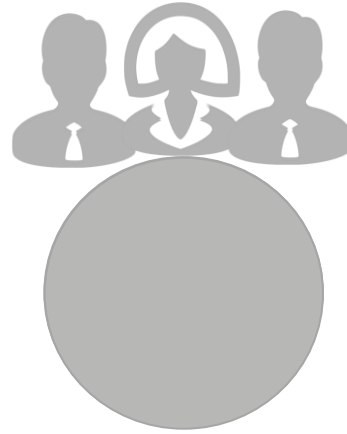


## **Lunch area**

Main restaurant of the hotel



ndic



- DG 1: Chado 1 (2° floor)**
- DG 2: Chado 2 (2° floor)**
- DG 3: Chado 3 (2° floor)**
- DG 4: Chado 4 (2° floor)**



User name: tryp  
Password:  
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**Please refer to staff  
at the Information Desk**

# EBTC – MISSION AND VISION

## What is EBTC?

EBTC is an international collaboration of science, regulatory and industry leaders that is formed to establish and coordinate evidence-based, transparent toxicology and safety assessment methods to improve the risk assessment standards for regulatory decision making.

## EBTC's Vision:

Evidence-based toxicology is the standard used to ensure public health, a healthy environment and a sustainable future.

## EBTC's Mission:

Bring together the international toxicology community to facilitate use of evidence-based toxicology to inform regulatory, environmental and public health decisions.

## EBTC Funding:

Anonymous Charitable Foundation and Beagle Freedom Prize



# Evidence-based Toxicology History



## Guidance on assessing the methodological and reporting quality of toxicologically relevant studies: A scoping review

Gbeminiyi O. Samuel<sup>a</sup>, Sebastian Hoffmann<sup>b</sup>, Robert A. Wright<sup>c</sup>, Manoj Mathew Lalu<sup>d</sup>, Grace Patlewicz<sup>e, 1</sup>, Richard A. Becker<sup>f</sup>, George L. DeGeorge<sup>g</sup>, Dean Fergusson<sup>d</sup>, Thomas Hartung<sup>h</sup>, P. Jeffrey Lewis<sup>h</sup>, Martin L. Stephens<sup>g, 1</sup>

Show more

<http://dx.doi.org/10.1016/j.toxlet.2017.03.001>

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**Toxicology Letters** 4 new WGs

ABOUT THIS JOURNAL CONTACT THIS JOURNAL SUBSCRIPTIONS CURRENT CONTENTS

Oxford Journals > Medicine & Health Sciences > Toxicological Sciences > Volume 191

Arch Toxicol (2017) 91:2551-2575  
DOI 10.1007/s00204-017-1986-3



REVIEW ARTICLE

### A primer on systematic reviews in toxicology

Sebastian Hoffmann<sup>1,3</sup>, Rob B. M. de Vries<sup>2</sup>, Martin L. Stephens<sup>1</sup>, Nancy B. Beck<sup>4</sup>, Hubert A. A. M. Dirven<sup>4</sup>, John R. Fowle III<sup>5</sup>, Julie E. Goodman<sup>6</sup>, Thomas Hartung<sup>7</sup>, Ian Kimber<sup>8</sup>, Manoj M. Lalu<sup>9</sup>, Kristina Thayer<sup>9</sup>, Paul Whaley<sup>11</sup>, Daniele Wikoff<sup>12</sup>, Katya Tsatsouli<sup>10</sup>

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Martin L. Stephens<sup>a, 1</sup>, Kellyn Betts<sup>b</sup>, Nancy B. Beck<sup>c</sup>, Vincent Cogliano<sup>d</sup>, Kay Dickersin<sup>e</sup>, Fitzpatrick<sup>f</sup>, James Freeman<sup>g</sup>, George Gray<sup>h</sup>, Thomas Hartung<sup>a, 1</sup>, McPartland<sup>d</sup>, Andrew A. Rooney<sup>k</sup>, Roberta W. Scherer<sup>e</sup>, Didier Verloof<sup>l</sup> and Sebastian Hoffmann<sup>m</sup>

<sup>a</sup>Lead Author Affiliations

<sup>1</sup>To whom correspondence should be addressed. Fax: (410) 614-2871. E-mail: [stephens@niehs.nih.gov](mailto:stephens@niehs.nih.gov)



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# Founder of EBT

## Professor Thomas Hartung, MD



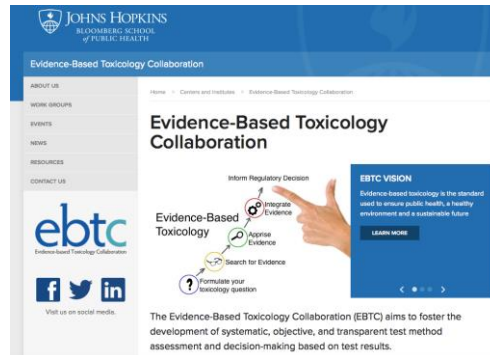
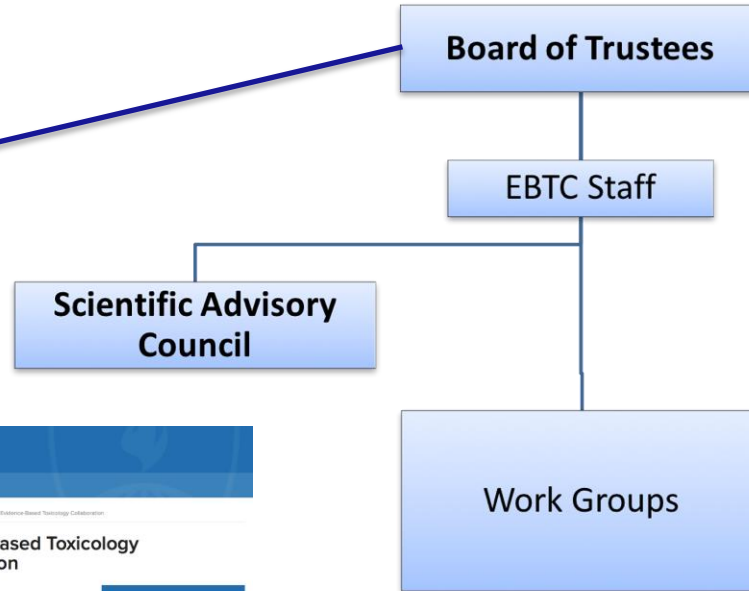
***Director of Center for Alternatives to Animal Testing (CAAT)***

***Endowed Chair of Evidence-based Toxicology at Johns Hopkins Bloomberg School of Public Health***

International leader in paradigm shift in toxicity testing to improve public health. Served as the head of the European Center for the Validation of Alternative Methods of the European Commission (2002-2008), involved in the implementation of the 2007 NRC vision document “Toxicity Testing in the 21st Century – a vision and a strategy”. He has pioneered the translation of concepts of evidence-based medicine to toxicology (evidence-based toxicology).



# The EBTC Governance Structure



[www.ebtox.org](http://www.ebtox.org)



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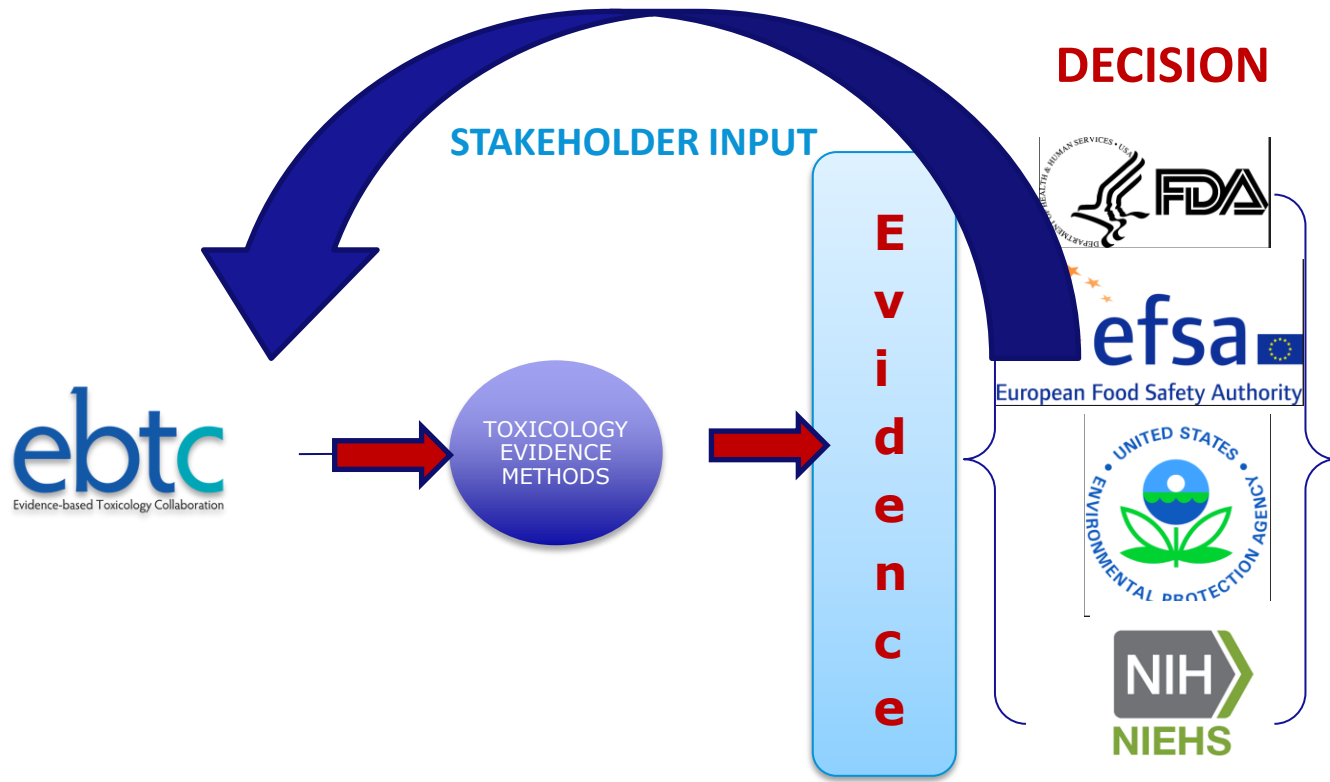
**Martin Stephens** Johns Hopkins University (EBTC staff) (non-voting member)

**Katya Tsaion** Johns Hopkins University (EBTC staff) (non-voting member)



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# Why external Board?

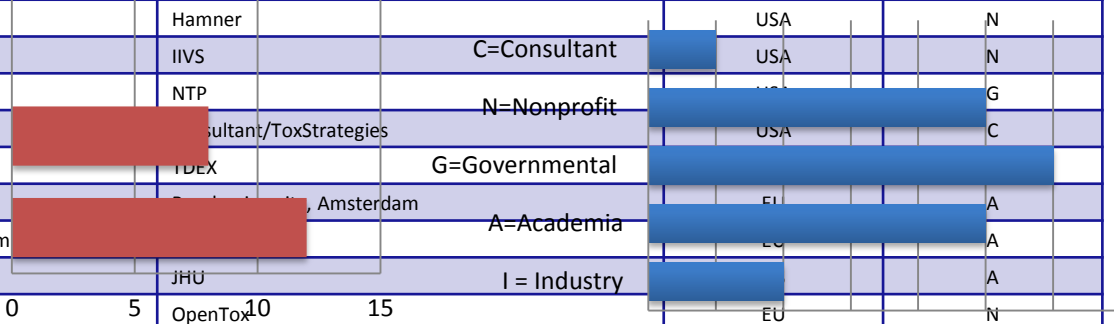


# Scientific Advisory Council

Name	Affiliation	Region	Sector
Elisa Aiassa	EFSA	Italy	G
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Julie Goodman	Gradient	USA	C
Didier Verloo	EFSA	EU	G
Vince Cogliano	EPA	USA	G
Carl Westmoreland	Unilever	UK	I
Suzanne Fitzpatrick	FDA	USA	G
Malcolm Meselson	ICI	EU	A
Richard Judson	EPA	USA	G
Mel Andersen	Hamner	USA	N
Roger Curren	IIVS	USA	N
Kris Thayer	NTP	USA	G
Daniele Wilkoff	Consultant/ToxStrategies	USA	C
Joanna Rochester	TDX	USA	G
Mariska Leeftink	Amsterdam	EU	A
Miranda Langendam		EU	A
Robert Wright	JHU	USA	A
Barry Hardy	OpenTox	EU	N
Paul Whaley	Cancer Prevention and Education Society	EU	N
Hubert Dirven	Norwegian Institute of Public Health	EU	G

**Geographical balance**

**Sector Balance**



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# EBTC working groups

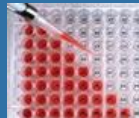
**Zebrafish  
embryotoxicity SR WG**



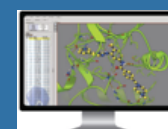
human



*in vivo*  
animal



*in vitro/mechanistic*



*in silico*

**ToxCast/Tox21 Tests SR WG**

**Risk of Bias / Quality  
WG**

**Communication WG**

**Quality / Literature WG**





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Please use the hashtag **#EFSA\_EBTC**  
and **#EvidenceIntegration**





# Upcoming events



Risk  
Assessment  
Research  
Assembly

***Utrecht, 7 February 2018***

The event aim to ***stimulate new partnerships*** in food safety research, and highlight the importance of ***public funding***.

***Register online through EFSA website!***  
***Deadline 13 November***



# Scientific conference on the use of epidemiological findings in regulatory pesticide risk assessment

*Parma, 21 November 2017*

The aim of the conference is to **collect views from stakeholders** and further discuss the approach proposed by EFSA in its two scientific opinions.

***Register online through EFSA website!***  
***Deadline 6 November***

# Society for Risk Analysis

## *Symposium: Application of Systematic Reviews in Risk Assessment: Case Studies, Successes and Challenges from Different Domains*

**Alexandria, VA, 11 December 2017**

Daniele Wikoff – Incorporation and evaluation of mechanistic data into SR

Jeff Lewis (ExxonMobile) – SR in Occupational health

Daniel Krewski (U Ottawa) – SR of factors affecting onset of CNS diseases

Iris Camacho (US EPA) – SR implementation in TSCA

**Register online [www.SRA.org](http://www.SRA.org)**

# Society of Toxicology

***Information Session:*** An introduction to the integration of systematic review to support development of health-based toxicity values in chemical risk assessments

***San Antonio, TX, 12 March, 2018***

**Chair:** Daniele Wikoff (ToxStrategies)

**Elisa Aiassa** (EFSA): SR in support of chemical risk assessment at EFSA

**Kris Thayer** (US EPA): SR in support of chemical risk assessment at US EPA

**Heather Reddick** (Texas Commission on environmental quality): Guidelines for Performing SR in the Development of Toxicity Factors

**Katya Tsaïoun** (EBTC): Summary of global efforts and remaining opportunities to advance the field

***Register online*** [www.Toxicology.org](http://www.Toxicology.org)