

**EEMGS**  
BRATISLAVA



**2-5 JUNE  
2025**



**EEMGS / CSSMC  
2025 Meeting**

**FINAL  
PROGRAMME**

[www.eemgs.eu](http://www.eemgs.eu)

# PROGRAMME OVERVIEW

SUNDAY 01.06.2025	MONDAY 02.06.2025	TUESDAY 03.06.2025
	9:00	9:00
	Registration*	NAMs
		Occupational and Environmental Exposure
		10:30 Coffee Break
		11:00 NI Session
	13:00	12:30
	HESI GTTC Workshop	Lunch
	15:00	14:00
	Coffee Break	Keynote Lecture
	15:30	15:00
	HESI GTTC Workshop	EceToc
		ICAWG
	17:00	16:30
		Poster Session w/ coffee****
	17:30	17:30
	Opening Ceremony	
	18:00	18:00
	Keynote Lecture	Social Event Guided City Tour
19:00	19:00	19:30
6th „geNIus“ Pub Quiz Centrálna Klubovňa	Welcome Reception Hotel Park Inn	
22:00	22:00	

\* Attendees will have the opportunity to register individually on other days of the conference.

\*\* Workshop at MatTek In Vitro Science Laboratories is limited to 10 participants – more information can be found here <https://eemgs.eu/events/eemgs-2025/workshops/>. Transport to the MatTek In Vitro Laboratories is not organized; participants are responsible for arranging their own transportation.

\*\*\* Transport from Bratislava to Vienna is not organized; participants are responsible for arranging their own transportation.

\*\*\*\* Posters with odd numbers will be presented during Tuesday's poster session (16:30 - 17:30), and posters with even numbers during Wednesday's poster session (17:30 - 18:30)

WEDNESDAY 04.06.2025		THURSDAY 05.06.2025		FRIDAY 06.06.2025	
9:00	<b>Mutamind</b>	9:00	<b>Keynote Lecture</b>	10:00	
	<b>ecNGS</b>	9:50	Coffee Break		
10:30	Coffee Break	10:20	<b>OECD TGs</b>		
11:00	<b>Frits Sobels/Early Career Awards</b>		<b>Nanoparticles</b>		
		11:50	<b>Closing Ceremony &amp; Awards</b>		
12:30	Lunch	12:30	Light Lunch		
			<b>Hybrid Meeting: In Vitro Comet Assay OECD TG Workshop</b>		
14:00	<b>Keynote Lecture</b>	14:00			
14:50	<b>Sponsored Talk</b>				
15:15	<b>Cancer</b>				
	<b>Chemical Mutagenesis</b>				
16:30	<b>EEMGS General Assembly</b>	16:30	<b>Workshop at MatTek In Vitro Science Laboratories**</b>	18:00	
17:30	<b>Poster Session w/ coffee****</b>				
18:30		18:30			
19:30	<b>Gala Dinner</b> Bratislava Flagship restaurant				
22:30					

\* Attendees will have the opportunity to register individually on other days of the conference.

\*\* Workshop at MatTek In Vitro Science Laboratories is limited to 10 participants – more information can be found here <https://eemgs.eu/events/eemgs-2025/workshops/>. Transport to the MatTek In Vitro Laboratories is not organized; participants are responsible for arranging their own transportation.

\*\*\* Transport from Bratislava to Vienna is not organized; participants are responsible for arranging their own transportation.

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# DETAILED PROGRAMME

## SUNDAY, 1<sup>ST</sup> JUNE 2025

19:00 - 22:00 **Centrálna Klubovňa** <https://www.nasaklubovna.sk/en/pubs/centralna/>  
**6th “geNIus” Pub Quiz**  
Organizers: **Executive Committee of the EEMGS New Investigators (NIs)**

## MONDAY, 2<sup>ND</sup> JUNE 2025

9:00 - 13:00 Hotel Park Inn / Foyer in front of the Pressburg room

### Registration

Attendees will have the opportunity to register individually also on other days of the conference.

13:00 - 15:00 Hotel Park Inn / Bratislava room

### HESI GTTC Workshop: Developing Consensus on the Use of Quantitative Dose-response Analysis for Risk Assessment of Mutagenic Substances

Chairs: **George Johnson** and **Paul White**

13:00 - 13:15 **Connie L. Chen, George Johnson** and **Paul White**  
*United States, United Kingdom and Canada*

### Welcome and Introduction to HESI GTTC

13:15 - 13:50 **George Johnson**  
*United Kingdom*

### Quantitative Interpretation of Mutagenicity Dose-response Data – Concepts, Considerations, and Concerns

13:50 - 14:25 **Alisa Vespa**  
*Canada*

### Regulatory Perspective on Quantitative Use of Mutagenicity Dose-response Data for Regulatory Decision-making

14:25 - 15:00 **Anthony M. Lynch**  
*United Kingdom*

### Mutagenicity Assessment of Nitrosamines and NDSRIs

15:00 - 15:30 Hotel Park Inn / Foyer in front of the Bratislava room  
Coffee Break

15:30 - 17:00 Hotel Park Inn / Bratislava room

### HESI GTTC Workshop: Developing Consensus on the Use of Quantitative Dose-response Analysis for Risk Assessment of Mutagenic Substances

Chairs: **George Johnson** and **Paul White**

15:30 - 16:05 **Paul White**  
*Canada*

### Quantitative Interpretation of Polycyclic Aromatic Hydrocarbons (PAH) Mutagenicity Dose-response Data in a Risk Assessment Context

16:05 - 16:40 **Birgit Mertens**  
*Belgium*

**Mutagenicity Assessment Using In Vitro Approaches**

16:40 - 17:00 **George Johnson** and **Paul White**  
*United Kingdom and Canada*

**Open Discussion**

17:30 - 18:00 Hotel Park Inn / Bratislava room

**Opening ceremony**

Chairs: **Monika Šramková**, **Soňa Vodenková**, **Pavel Rössner** and **EEMGS President**

18:00 - 18:50 Hotel Park Inn / Bratislava room

**Keynote lecture**

Chairs: **Monika Šramková** and **Alena Gábelová**

**Silvia Pastoreková**  
*Slovak Republic*

**Molecular Mechanisms of Cancer Cells' Adaptation to Hypoxia and Acidosis in Tumour Microenvironment**

19:00 - 22:00 Hotel Park Inn / Foyer in front of the Bratislava room

**Welcome reception**

**TUESDAY, 3<sup>RD</sup> JUNE 2025**

9:00 - 10:30 Hotel Park Inn / Bratislava room

**NAMs: New Approach Methodologies**

Chairs: **Giel Hendriks** and **Emmanuel Demuyndck**

9:00 - 9:25 **Giel Hendriks**  
*The Netherlands*

**Validation of MutaTracker, a Novel Approach Method for the Detection of Gene Mutations Using Error-corrected NGS**

9:25 - 9:50 **Henriqueta Louro**  
*Portugal*

**Ingested Titanium Dioxide Nanomaterials: New Approach to Investigate Intestinal Genotoxicity and Key Cellular/Molecular Effects**

9:50 - 10:15 **Tania Capeloa**  
*Italy*

**Can We Conclude on Mutagenicity Classification Based on In Vitro Data Only?**

10:15 - 10:30 **Emmanuel Demuyndck**  
*Belgium*

**Impact of Exposure Time and Cell Line on the Outcomes of Transcriptomic-Based Biomarkers for Genotoxicity**

9:00 - 10:30	Hotel Park Inn / Pressburg room
	<b>Occupational and Environmental Exposure</b>
	Chairs: <b>Stefano Bonassi</b> and <b>Zuzana Šímová</b>
9:00 - 9:25	<b>Volodymyr Vinnikov</b> <i>Slovak Republic</i>
	<b>Biological Dosimetry of Chronic Radiation Exposure in Medical Radiologists using Dicentric Assay and Bayesian Statistical Framework</b>
9:25 - 9:50	<b>Miroslav Mišík</b> <i>Austria</i>
	<b>The Impact of High-Frequency Electromagnetic Fields (1950 MHz) on DNA Damage in Buccal and Peripheral Blood Mononuclear Cells</b>
9:50 - 10:10	<b>Carina Ladeira</b> <i>Portugal</i>
	<b>Genotoxicity and Cytotoxicity Assessment in Pathology Professionals through the Buccal Micronuclei Assay</b>
10:10 - 10:30	<b>Andrea Rössnerová</b> <i>Czech Republic</i>
	<b>Toward the Epigenetic Memory: A Story of Long-Term Human Biomonitoring Research</b>
10:30 - 11:00	Hotel Park Inn / Foyer in front of the Bratislava room Coffee Break
11:00 - 12:30	Hotel Park Inn / Bratislava room
	<b>NI session: EEMGS New Investigators session</b>
	Chairs: <b>Sharleen Friese</b> and <b>Mujo Hasanović</b>
11:00 - 11:10	<b>Introduction of the EEMGS New Investigators</b>
11:10 - 11:25	<b>Ann-Cathrin Wolf</b> <i>Germany</i>
	<b>Cellular Fate of Dietary Heme versus Non-Heme Iron and their Contribution to Spatio-Temporal ROS Formation in Intestinal Epithelial Cells</b>
11:25 - 11:40	<b>Mariam Saleh</b> <i>France</i>
	<b>In Vitro High-Throughput Transcriptomic Strategy Accompanied by GENOMARK &amp; TGx-DDi as Powerful Tools for Genotoxicity Evaluation in 3D HepaRG Spheroids</b>
11:40 - 11:55	<b>Julie Sanders</b> <i>Belgium</i>
	<b>Potency Ranking and Mode of Action Assessment of Nine (Suspected) Genotoxic Mycotoxins Using the In Vitro Micronucleus and ToxTracker Assay</b>
11:55 - 12:10	<b>Luping Chen</b> <i>The Netherlands</i>
	<b>Altered Tryptophan Metabolism and AhR Activation in IBD: Association with DNA Damage and Gut Health</b>

12:10 - 12:25	<b>Zuzana Šímová</b> <i>Czech Republic</i> <b>Occupational Exposure to Engineered Nanoparticles Produced by Machining and Welding May Affect Immune Response and Induce Cancerogenesis</b>
12:30 - 14:00	Hotel Park Inn / Restaurant Bocca Buona Lunch
14:00 - 14:50	Hotel Park Inn / Bratislava room <b>Keynote lecture</b> Chairs: <b>Monika Šramková</b> and <b>Katarína Kozics</b>
	<b>Helena Kandárová</b> <i>Slovak Republic</i> <b>From Validation to Innovation: The Evolving Landscape of New Approach Methodologies in Regulatory Toxicology and Beyond</b>
15:00 - 16:30	Hotel Park Inn / Pressburg room <b>EceToc (The European Centre for Ecotoxicology and Toxicology of Chemicals) on Dose Selection</b> Chairs: <b>Bennard van Ravenzwaay</b> and <b>Pavel Rössner</b>
15:00 - 15:04	<b>Bennard van Ravenzwaay</b> <i>Germany</i> <b>Introduction to ECETOC</b>
15:04 - 15:23	<b>Bennard van Ravenzwaay</b> <i>Germany</i> <b>The Role of Toxicokinetics and Metabolism for In Vivo Dose Selection</b>
15:23 - 15:42	<b>Fiona Sewell</b> <i>United Kingdom</i> <b>Considerations for Dose Level Selection for Developmental and Reproductive Toxicity Studies: 3Rs and Scientific Perspectives</b>
15:42 - 16:01	<b>Naveed Honarvar</b> <i>Germany</i> <b>Setting Concentrations of In Vitro Toxicity Tests Using Toxicokinetic Information</b>
16:01 - 16:20	<b>Bennard van Ravenzwaay</b> <i>Germany</i> <b>Dose Selection for 'Omics Studies</b>
16:20 - 16:30	<b>General Discussion</b>
15:00 - 16:30	Hotel Park Inn / Bratislava room <b>ICAWG - International Comet Assay Working Group</b> Chairs: <b>Andrew Collins</b> and <b>Carina Ladeira</b>
15:00 - 15:05	<b>Introduction of the New ICAWG Executive Committee</b>
15:05 - 15:30	<b>Ann-Karin (Anka) Olsen</b> <i>Norway</i> <b>The In Vivo Comet Assay: Uncovering DNA Damage in Testicular Germ Cells</b>

15:30 - 15:45	<b>Phyllis Jessen</b> <i>The Netherlands</i> <b>Performance Validation of a Compact High-throughput Vertical Electrophoresis Tank for the Comet Assay</b>
15:45 - 16:00	<b>Jakob Steer</b> <i>Czech Republic</i> <b>Expanding Assay Controls: Using Multi-Species PBMC and Whole Blood in the Enzyme-Modified Comet Assay Following Potassium Bromate Exposure</b>
16:00 - 16:15	<b>Adriana Rodriguez-Garraus</b> <i>Spain</i> <b>Applying the Modified Comet Assay with DNA Repair Inhibitors in the Detection Bulky Adducts. What Will Its Specificity Be?</b>
16:15 - 16:30	<b>Xu He</b> <i>The Netherlands</i> <b>Frozen Whole Blood Can Be Used to Detect DNA Repair Activity</b>
16:30 - 17:30	Hotel Park Inn / Istropolis room <b>Poster session w/coffee</b>
18:00 - 19:30	Meeting point: Hotel Park Inn / Reception Desk <b>Guided City Tour</b>
<b>WEDNESDAY, 4<sup>TH</sup> JUNE 2025</b>	
9:00 - 10:30	Hotel Park Inn / Pressburg room <b>Mutamind: Evaluation and Assessment of Mutagenicity of N-Nitrosamines using In Vitro Tests</b> Chairs: <b>Anke Londenberg</b> and <b>Roland Frötschl</b>
9:00 - 9:15	<b>Max Spänig</b> <i>Germany</i> <b>Estimation of Bioavailable Concentration of Endogenously Formed NAs by PBK Modelling</b>
9:15 - 9:30	<b>Steffi Chang</b> <i>Germany</i> <b>Finding an Optimized AMES Test Design for N-nitrosamines</b>
9:30 - 9:45	<b>Christina Ziemann</b> <i>Germany</i> <b>The Alkaline In Vitro Comet Assay with Liver Cell Models as a Tool for Genotoxicity Screening of N-Nitrosamines</b>
9:45 - 10:00	<b>Jörg Fahrner</b> <i>Germany</i> <b>DNA Alkylation Damage by Nitrosamines and DNA Repair in Liver Cell Models</b>
10:00 - 10:15	<b>Anke Londenberg</b> <i>Germany</i> <b>Use of Benchmark Modelling for NA Ranking of In Vitro Mutagenicity and DNA Repair Data</b>



10:15 - 10:30	<b>Roland Frötschl</b> <i>Germany</i> <b>Potential In Vitro Approach for Assessment of Mutagenic Risk of NDSRIs</b>
9:00 - 10:30	Hotel Park Inn / Bratislava room <b>ecNGS: Error-corrected New Generation Sequencing</b> Chairs: <b>Anthony Lynch</b> and <b>Ann-Karin (Anka) Olsen</b>
9:00 - 9:30	<b>Paul White</b> <i>Canada</i> <b>In Vivo Mutagenicity Assessment of Benzo[b]fluoranthene Using Error-Corrected Next-Generation Sequencing (ecNGS)</b>
9:30 - 10:00	<b>Lena Pfaller</b> <i>Switzerland</i> <b>Superior Sensitivity of Error-Corrected Sequencing for Ultra-Rare Mutation Detection in T-cell Lymphoma Case after CAR-T Treatment</b>
10:00 - 10:30	<b>Anthony Lynch</b> <i>United Kingdom</i> <b>Advancing Mutagenicity Assessment with Error Corrected Sequencing</b>
10:30 - 11:00	Hotel Park Inn / Foyer in front of the Bratislava room Coffee Break
11:00 - 12:30	Hotel Park Inn / Bratislava room <b>Frits Sobels / Early Career Awards</b> Chairs: <b>Amaya Azqueta</b> and <b>Ann-Karin (Anka) Olsen</b>
11:00 - 11:45	<b>Frits Sobels Award presentation</b>
11:45 - 12:30	<b>Early Career Award presentation</b>
12:30 - 14:00	Hotel Park Inn / Restaurant Bocca Buona Lunch
14:00 - 14:50	Hotel Park Inn / Bratislava room <b>Keynote lecture</b> Chairs: <b>Soňa Vodenková</b> and <b>Natálie Danešová</b>
	<b>Jiří Neužil</b> <i>Czech Republic and Australia</i> <b>Horizontal Mitochondrial Transfer: A New Hallmark of Cancer with Clinical Relevance</b>
14:50 - 15:05	Hotel Park Inn / Bratislava room <b>Sponsored Talk - GeneTiCA</b> Chairs: <b>Soňa Vodenková</b> and <b>Natálie Danešová</b>
	<b>Nikoleta Šipčiaková</b> <i>Slovak Republic</i> <b>How 10xGenomics Can Push the Boundaries of Your Cancer Research</b>

15:15 - 16:30	Hotel Park Inn / Bratislava room
	<b>Cancer</b>
	Chairs: <b>Soňa Vodenková</b> and <b>Natálie Danešová</b>
15:15 - 15:35	<b>Kate Hurlow</b> <i>United Kingdom</i>
	<b>A Comparison of Oesophageal Epithelial Cell Micronucleus (MN) Formation and Presence of MN in Lymphocytes: Exploring the Mechanistic Role of Reactive Oxygen Species (ROS)</b>
15:35 - 15:55	<b>Pavel Vodička</b> <i>Czech Republic</i>
	<b>Notes to the Microbiome in Tumor Tissue and Adjacent Mucosa from CRC Patients</b>
15:55 - 16:15	<b>Anusha Uttarilli</b> <i>Czech Republic</i>
	<b>Non-invasive Detection of Circulating mRNA Biomarkers in Colorectal Cancer Patients</b>
16:15 - 16:30	<b>Kristýna Tomášová</b> <i>Czech Republic</i>
	<b>Exploring the Telomere-Mitochondrial Axis in Colorectal Cancer Patients</b>
15:15 - 16:30	Hotel Park Inn / Pressburg room
	<b>Chemical Mutagenesis</b>
	Chairs: <b>Roland Frötschl</b> and <b>Helga Stopper</b>
15:15 - 15:35	<b>Inger Brandsma</b> <i>United States</i>
	<b>Investigating Limit Dose and Identifying Genotoxic Hazard of Common Pharmaceutical Solvents with ToxTracker</b>
15:35 - 15:55	<b>Stephanie Simon</b> <i>Germany</i>
	<b>Case Study: Nitroso-Bisoprolol - How to Use ecNGS In Vivo Mutagenicity Data and Quantitative BMD Analysis to Derive Safe Limits for Human Risk Assessment</b>
15:55 - 16:15	<b>Verena Charwat</b> <i>Austria</i>
	<b>New Technologies for Sound In Vitro Toxicology</b>
16:15 - 16:30	<b>Andrea Bábelová</b> <i>Slovak Republic</i>
	<b>Periostin – Another Piece of Puzzle in Renal Fibrogenesis</b>
16:30 - 17:30	Hotel Park Inn / Bratislava room
	<b>The EEMGS general assembly</b>
17:30 - 18:30	Hotel Park Inn / Istropolis room
	<b>Poster session w/coffee</b>
19:30 - 22:30	<b>Bratislava Flagship restaurant</b> <a href="https://www.bratislavskarestauracia.sk/en/">https://www.bratislavskarestauracia.sk/en/</a>
	<b>Gala dinner</b>

## THURSDAY, 5<sup>TH</sup> JUNE 2025

9:00 - 9:50 Hotel Park Inn / Bratislava room

### Keynote lecture

Chairs: **Monika Šramková** and **Amaya Azqueta**

**Mária Dušinská**

*Norway*

### Building Trust in Advanced Models: A Path to Standardization and Validation for Future Risk Assessment

9:50 - 10:20 Hotel Park Inn / Foyer in front of the Bratislava room  
Coffee Break

10:20 - 11:50 Hotel Park Inn / Bratislava room

### OECD TGs: OECD Test Guidelines

Chairs: **Mária Dušinská** and **Marc Audebert**

10:20 - 10:45 **Marc Audebert**  
*France*

### Development of a Detailed Review Paper and a Retrospective Performance Analysis for the In Vitro $\gamma$ H2AX/pH3 Method

10:45 - 11:10 **Petra Stahlschmidt-Allner**  
*Germany*

### Revision of the OECD 487 MN Test for a More Reliable Prediction of Genotoxicity/Carcinogenicity

11:10 - 11:30 **Naouale El Yamani**  
*Norway*

### Interlaboratory Validation of the Cell Transformation Assay (CTA) for Carcinogenic Assessment of BPA Alternatives

11:30 - 11:50 **Andrew Collins**  
*United Kingdom*

### In Vitro Comet Assay Test Guideline: Getting There!

10:20 - 11:50 Hotel Park Inn / Pressburg room

### Nanoparticles

Chairs: **Andrea Bábelová** and **Milda Babonaitė**

10:20 - 10:45 **Michal Šíma**  
*Czech Republic*

### Transcriptomic Profiling of Mouse Mesenchymal Stem Cells Exposed to Nanoparticles with Antimicrobial Properties

10:45 - 11:10 **Pavel Rössner**  
*Czech Republic*

### Skin Wound Healing: The Impact of Treatment with Antimicrobial Nanoparticles and Mesenchymal Stem Cells

11:10 - 11:35

**Bojana Žegura**  
*Slovenia*

**In Vitro (Geno)Toxicity Evaluation of  $MFe_2O_4$  (M=Fe, Zn, Mn) Magnetic Nanoparticles in a 3D HepG2 Model**

11:35 - 11:50

**Milda Babonaitė**  
*Lithuania*

**From Uptake to DNA Damage: How Nanoparticles Interact with Human Peripheral Blood Mononuclear Cells?**

11:50 - 12:30

Hotel Park Inn / Bratislava room

**Closing ceremony & Awards**

Chairs: **Monika Šramková, Soňa Vodenková and Andrea Bábelová**

12:30 - 14:00

Hotel Park Inn / Foyer in front of the Bratislava room  
Light Lunch

12:30 - 14:00

Hotel Park Inn

**Hybrid meeting: In Vitro Comet Assay OECD TG Workshop**

Chairs: **Mária Dušinská and Andrew Collins**

16:30 - 18:30

**MatTek In Vitro Science Laboratories: Mlynské nivy 73, 821 05 Bratislava**  
Transport to the MatTek In Vitro Laboratories is not organized; participants are responsible for arranging their own transportation.

**Workshop: Beyond the Petri Dish: Micronucleus Assay Using Human 3D Skin Models**

*Workshop at MatTek In Vitro Science Laboratories is limited to 10 participants*

Organizers: **MatTek In Vitro Life Science Laboratories**

More information: <https://eemgs.eu/events/eemgs-2025/workshops/>

## FRIDAY, 6<sup>TH</sup> JUNE 2025

10:00 - 18:00

**Vienna, Hörsaalzentrum 7L (7th floor), AKH, Vienna**

Transport from Bratislava to Vienna is not organized; participants are responsible for arranging their own transportation.

**Workshop: Use of Genotoxicity Methods for Human Biomonitoring: Prevention – Diagnosis and Therapy of Cancer**

Organizers: **Miroslav Mišík, Georg Wultsch, Siegfried Knasmüller**

More information: <https://eemgs.eu/events/eemgs-2025/workshops/>

All presentation slots include time for discussion. Please ensure your talk allows at least 5 minutes for audience questions and discussion.

Posters with odd numbers will be presented during Tuesday's poster session (16:30 - 17:30), and posters with even numbers during Wednesday's poster session (17:30 - 18:30)

# GENERAL INFORMATION

## Registration opening hours:

Monday, June 2, 2025	9:00-19:00
Tuesday, June 3, 2025	8:30-17:30
Wednesday, June 4, 2025	8:30-18:00
Thursday, June 5, 2025	9:00-14:00

## Instruction for Oral Presentation

All presentations must be uploaded directly in the Pressburg or Bratislava halls no later than 30 minutes prior to the start of your session.

We kindly ask you to bring your presentation on USB memory stick or External hard drive (USB-A/USB-C).

## Opening hours

Monday, June 2, 2025	12:30-19:00
Tuesday, June 3, 2025	8:30-17:30
Wednesday, June 4, 2025	8:30-18:00
Thursday, June 5, 2025	9:00-14:00

## Free Wi-Fi is available in the whole event area

SSID:	Park Inn Meetings
Password:	Park_Inn_Meetings

**Certificates of attendance will be sent electronically after the event only upon request.**

## Congress Secretariat

**GUARANT International spol. s r.o.**

Českomoravská 19, 190 00 Prague 9, Czech Republic

Tel: +420 284 001 444, e-mail: eemgs2025@guarant.cz

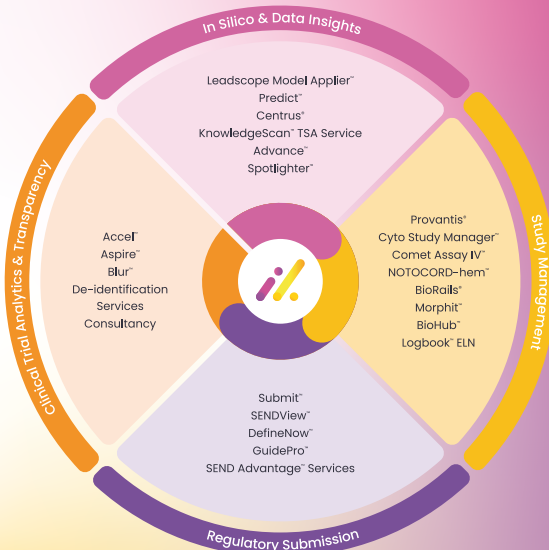
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### Genetic Toxicology Solutions

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## MATTEK

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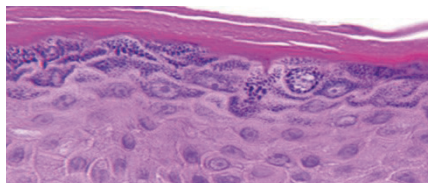
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### KEY FEATURES OF OUR PRODUCTS

- Metabolically active, human cell-derived, 3D reconstructed tissue models
- Objective, quantifiable endpoints
- Excellent *in vitro* / *in vivo* correlation
- Guaranteed long-term reproducibility
- Availability of partial and full thickness tissue models
- Availability of different tissue formats including high throughput screening plate

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<b>EpiDerm™</b>	skin tissue, OECD TG 431, 439, 498, ISO 10993-23
<b>EpiDerm FT™</b>	full-thickness skin tissue model
<b>MelanoDerm™</b>	pigmented skin tissue model
<b>EpiOcular™</b>	cornea-like tissue, Eye irritation test OECD TG 492
<b>EpiAirway™</b>	bronchial/tracheal tissue model
<b>EpiAlveolar™</b>	alveolar tissue model
<b>EpiNasal™</b>	nasal cavity tissue model
<b>EpiIntestinal™</b>	small intestine tissue model,
<b>EpiIntestinal FT™</b>	full-thickness small intestine tissue model



EpiDerm tissue model histology

<b>EpiVaginal™</b>	human vaginal tissue model
<b>EpiOral/EpiGingival™</b>	buccal/gingiva tissue model
<b>EpiCorneal™</b>	corneal tissue model
<b>Melanoma™</b>	skin cancer tissue model
<b>Psoriasis™</b>	psoriatic tissue model
<b>"BETA models"</b>	
<b>EpiColon™</b>	large intestine soriatric tissue model
<b>EpiKidney™</b>	proximal tubular tissue model
<b>EpiLiver™</b>	liver/hepatocyte tissue model

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# WHAT WE DO ALL DAY: **MAKE A DIFFERENCE.**

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## **Ready-to-use Reagents for genetic toxicology MGA Plates for various applications**

### **Mutagenicity Assay Kits**

**90mm MGA plates, 6 well and 24 well plates for miniaturised Ames Test**

- up to 95% less test article required

**Improved Ames Assay Salmonella and E. coli strains**

- fully characterised as req. by OECD guideline 471

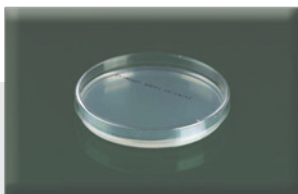
### **S9 and Metabolic Activation**

- Hamster (GSH) and Rat S9 optimised for use in the Enhanced Ames Test

### **MUTAZYME™ PB/BNF induced**

- Rat liver S9 lyophilised with NADPH-regenerating system cofactors
- available as 5%, 10% and 30% S9 Mix

**i contact us at our booth**



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