

News Release

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Merck KGaA, Darmstadt, Germany, Presents Interdisciplinary Cosmetics Research at IFSCC 2018

- **3D Skin Models Enable New Efficacy Testing Methodology**
- **Bioactive Ingredients Provide Anti-Pollution Effects**
- **Combination of Ingredients Maximizes Blue Light Protection**

Darmstadt, Germany, September 14, 2018 – Merck KGaA, Darmstadt, Germany, a leading science and technology company, will present insights into their latest cosmetic research during the International Federation of Societies of Cosmetic Chemists (IFSCC) Congress 2018 taking place September 18th through 21st in Munich.

In oral presentations and comprehensive posters, the company will provide insights into a broad variety of topics, including their latest developments in leveraging the anti-pollution properties of natural ingredients. Other focus topics will be ways to study the permeability of active ingredients and how to maximize blue light protection by combining mica and inorganic UV-filters. In an interactive workshop, Merck KGaA, Darmstadt, Germany will also present an innovative way for the efficacy testing using 3D skin models.

“We are now able to go beyond traditional analytics and testing methodologies” explains Prof. Dr. Jörg von Hagen, Head of Cosmetic Actives R&D at Merck KGaA, Darmstadt, Germany. His team developed advanced 3D skin models to evaluate the efficacy of biological tanners & whiteners. The new technology provides specific 3D skin models with various properties to mimic different skin types. Prof. Dr. von Hagen emphasizes the cross functional approach in their development: “We greatly benefit from Merck KGaA, Darmstadt, Germany’s broad range of scientific and

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technological expertise across performance materials, healthcare and life science which fuel our research in cosmetics.”

In addition to meeting the experts during the presentations and workshops, visitors at Merck KGaA, Darmstadt, Germany’s booth can gain further insights into the company’s broad portfolio of effect pigments and effective active ingredients. Visitors to the IFSCC 2018 will find Merck KGaA, Darmstadt, Germany at booth No. E12 in the INFINITY Hotel & Conference Resort Munich, Unterschleissheim, Germany.

Workshop:

Efficacy Testing of Biological Tanners Using 3D Skin Models

by Prof. Dr. Jörg von Hagen

Tuesday, September 18th || 11:30-12:10

in Multifunctional Room 3

Presentations:

Synergy of mica and inorganic UV filters maximizes Blue Light Protection as first defense line by Marina Lefort

Thursday, September 20th || 14:45–15:15, in Room Ammersee

Identifying surrogate model systems to study the permeability of active ingredients

by Markus Lubda

Friday, September 21st || 14:15-14:45, in Room Auditorium

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About Merck KGaA, Darmstadt, Germany

Merck KGaA, Darmstadt, Germany, is a leading science and technology company in healthcare, life science and performance materials. Almost 53,000 employees work to further develop technologies that improve and enhance life – from biopharmaceutical therapies to treat cancer or multiple sclerosis, cutting-edge systems for scientific research and production, to liquid crystals for smartphones and LCD televisions. In 2017, Merck KGaA, Darmstadt, Germany, generated sales of € 15.3 billion in 66 countries. Founded in 1668, Merck KGaA, Darmstadt, Germany, is the world’s oldest pharmaceutical and chemical company. The founding family remains the majority owner of the publicly listed corporate group. Merck KGaA, Darmstadt, Germany, holds the global rights to the „Merck“ name and brand. The only exceptions are the United States and Canada, where the company operates as EMD Serono, MilliporeSigma and EMD Performance Materials.