

Merck KGaA,
Darmstadt, Germany

2021 RESEARCH GRANTS

Merck KGaA, Darmstadt, Germany is all about science and technology. In 2021, we offer a series of research grants to stimulate innovative research in challenging areas of future importance.

We intend to provide research grants in several areas of up to **450,000€ per year for up to 3 years** with the option of extension or expansion.

Drug Discovery

Next game-changing technology / molecule to cure cancer or autoimmune disease.
Three grants of €350,000/year for 3 years.

Real time testing and sensors

State-of-the-art of in-line or at-line monitoring during the production of biopharmaceuticals.
Grant of \$100,000 - \$500,000/year for 2 years.

Nanoparticle for nucleic acid delivery

Novel, inventive delivery vehicles, formulations, routes of delivery, targeting strategies, considering manufacturing and stability.
Grant of \$100,000 - \$300,000/year for 2 years.

Digital Innovation

Digital pathology image analysis, Single-Cell RNASeq analysis pipelines and AI-driven solutions using research and clinical data.
Three grants of €40,000 - €100,000 for 1 year.

Bioelectronics

Novel solutions and biosensor technologies for remote patient monitoring in chronic inflammatory disorders
Grant of €150,000/year for 3 years.

Sustainability

New sustainable products, technologies, sources, processes, business models.

Media recycling for cultured meat

Conceptual designs, deployment strategies and equipment for low cost and efficient **systems**.

Organoids

3D cell culture solutions with focus on pre-clinical drug discovery and personalized medicine.

We are looking for innovative research proposals from scientists worldwide. Top submitters will be invited to a Deep Dive workshop to further advance the proposals together with our scientists. The deep dive workshop will include decision on grant recipients. Merck KGaA, Darmstadt, Germany will then enter into bilateral collaboration agreements with the winning recipients to enable pay-out of the research grant and project start in 2022. Detailed description of the challenges, the application process and timing of the Deep Dive workshops is available at:

researchgrants.emdgroup.com

Applications deadline **Aug. 31st, 2021**.

