



CELEBRATING 350 YEARS OF CURIOSITY

Grants & Challenges on
the occasion of Merck's
350th anniversary



MERCK

Merck - 350th Anniversary Research Grants



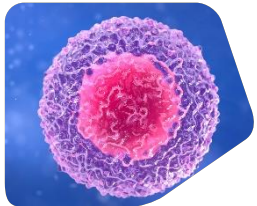
Healthy Lives / Drug Discovery

- **Challenge 1:** What is the next game-changing molecule or technology to help cure cancer or autoimmune disease?



Digitalization / Computing

- **Challenge 1:** How can in-silico research benefit from deep learning or quantum computing?



Life ReImagined / Synthetic Biology

- **Challenge 1:** What is the next generation production technology for biologics?
- **Challenge 2:** Can you revolutionize microbiome research?

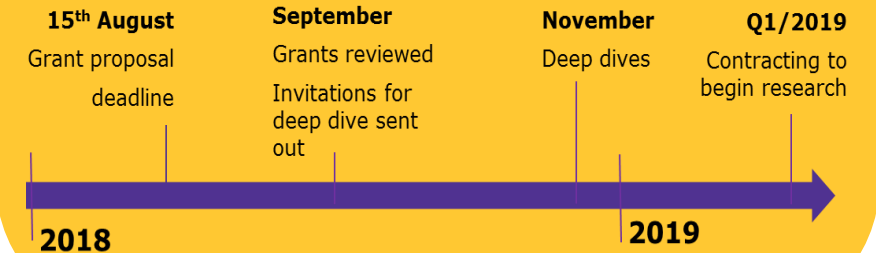


Materials & solutions

- **Challenge 1:** Can you develop a new generation of intelligent materials?
- **Challenge 2:** Can you develop advances in characterization, control and surface chemistry?
- **Challenge 3:** Can you develop better atomic layer processes - from modelling to materials?

Timeline & Infos

- Merck intends to provide multiple research grants in each challenge area. Each grant provides up to **350,000€** per year for 3 years.
- Applicants will submit a proposal by **August 15th, 2018**. Submitters of the best proposals will be invited to a deep dive workshop in November 2018 where the proposals will be refined and worked on. Grants will be given out following the deep dive workshop.



<https://www.merckgroup.com/en/research/open-innovation/350anniversaryactivities/researchgrants.html>

Merck - 350th Anniversary Research Challenges

<https://www.merckgroup.com/en/research/open-innovation/350anniversaryactivities/350compoundchallenge.html>



Protein Production

- **competition to generate the most productive CHO cell line for antibody production. The participant that generates the best cell line will win a prize of € 20,000.**



Compound Synthesis

- **competition to identify the best synthesis route for a given small molecule. The submitter of the best synthesis route will win a prize of € 10,000.**



Innovative Analytics Technologies

- **Get funding to develop new analytics technologies for the characterization of antibodies and antibody-drug conjugates, liquid crystals, OLEDs, or polymeric materials (three subcategories).**



Next Game-changing Technology

- **Submit information about a game-changing technology you have heard of in the areas of healthcare, life science or performance materials and get an award prize of € 10,000, € 5,000, and € 3,000 for the most convincing proposals.**



Diabetes Prevention

- **Share an idea about innovative technology and digitally-driven solutions that can make a positive impact on the lives of millions of people at risk of type 2 diabetes and receive one of the three prizes of € 30,000, € 10,000, and € 5,000 for the three most innovative projects.**



Of Note: The Protein Production Challenge will run longer for 1 entire year.

