

RESEARCH AREA 3

DIET-RELATED CHRONIC DISEASES

JOINT ACTION:

NUTRIMMUNE “Nutrition-responsiveness of the immune system: interplay between infectious diseases and diet-related metabolic diseases and the potential for food-based solutions”

WHAT

The main objective of the **NUTRIMMUNE** Joint Action is to support transnational, collaborative research projects that gain a better understanding of the interactions between nutrition and immunity within the context of its interplay between infectious diseases and diet-related metabolic diseases.

WHO

In total, 10 funding agencies from the following 8 countries participate in this call: France, Germany, Ireland, Israel, Italy, Spain, the Netherlands and the United Kingdom.



HOW

Proposals submitted to this call should focus on one or both of the following topics:

- **Establishing the cause-and-effect relationship between nutrition, immune function and infectious diseases in the context of diet-related metabolic disorders.** Building on existing knowledge to further identify mechanisms of action (including common molecular pathways), projects will:
 - Advance understanding of how nutrition, foods and dietary patterns modulate immune system homeostasis, response (e.g., inflammation), dysregulation and susceptibility to infectious disease across the life course in people with diet-related metabolic diseases.
 - Explore how nutrition may contribute to infectious disease risk in people with diet-related metabolic diseases at various stages including prevention of, severity of, recovery from, and rehabilitation after the infectious disease.
- **Development of innovative food solutions.**
Proof of principle studies are desired in order to support the development of effective health-improvement strategies and/or food products to promote a healthy immune system in people with diet-related metabolic diseases and their application at any stage of the infectious disease process.

WHEN

The call was launched on February 15th, 2022 and the proposal submission will close on April 21st, 2022. Applicants will have the possibility to answer the comments of the reviewers between 14th and 24th June 2022 during the rebuttal stage.

FUNDING

The 10 funding organisations involved in this call have committed a budget of 8,27€ for the funding of this joint action.



More information: Call Secretariat ZonMw (NL), Wilke van Ansem,
jpihdl@zonmw.nl