



Nestlé Health Science

# Enhancing muscle function & mobility in aging populations through nutrition

Nestlé Health Science is seeking subject matter experts who specialize in formulating dietary solutions that enhance muscle health and support healthy aging, specifically those with experience in conducting clinical trials to validate the efficacy claims of dietary solutions.

## Background

We are a global leader in nutritional science, dedicated to redefining the management of health. As people age, they often experience a loss of muscle mass, strength and function - a condition known as sarcopenia that severely impacts quality of life and strains health care systems worldwide. While current nutritional interventions have shown potential in mitigating muscle loss associated with aging, there have been few groundbreaking advancements that can dramatically restore muscle function.

We are thus looking for relevant experts working with nutritional ingredients that enhance the lifestyle of the healthy aging population by providing muscle support and improving mobility. Examples of these ingredients may include, but are not limited to, vitamins, minerals, amino acids, plant extracts and herbs, enzymes, probiotics, fatty acids, meal replacements, and antioxidants. While the ideal partner would have robust clinical programs to test new formulations and novel nutritional ingredients, we are also open to collaborating with researchers who have initial promising pre-clinical data on dietary solutions targeting muscle function and mobility.

## What we're looking for

We are looking to build our network of experts exploring innovative dietary solutions that enhance muscle strength and support in the aging population (40+). We are specifically interested in researchers developing novel nutrients or formulations with proven or potential effectiveness in addressing sarcopenia. Our goal is to collaborate with leading universities and organizations within 1-2 years to test these solutions and bring them to wider use.

## Topics of interest

- Novel nutritional ingredients with preliminary muscle support data
- Known nutritional ingredients with novel/promising muscle support data
- Age-specific nutrient blends for muscle support in the elderly population

## Required qualifications

- Experience with mobility or sarcopenia research with a focus on nutritional interventions that address muscle loss and function in aging populations
- Experience with pre-clinical models aimed at testing the efficacy of novel nutrients for enhanced mobility and/or muscle support

## Nice-to-have

We're open to experts who have experience with:

- Muscle loss associated with weight loss particularly in the context of glucagon-like peptide-1 (GLP-1) drugs for weight loss
- Development and testing of dietary interventions (dietary supplements; oral nutrition supplements; tube feeding) with a deep understanding of formulation and safety assessments
- Nutrition and healthy aging with demonstrated contributions to improving mobility in aging populations or advancing the understanding of sarcopenia mechanisms and prevention
- Clinical translation of research findings
- Clinical trials to validate efficacy claims of dietary solutions
- Nutraceutical research for women aged 40-45+

## What's out of scope

- Researchers focused primarily on pharmaceutical compounds

## Expert location

- Accepting applications from experts based in all countries

## What we can offer you

- **Networking**

We are happy to connect members of our network with other organizations and experts in the field, including industry innovators and academic contacts.

- **Exposure**

Gain visibility with researchers at Nestlé Health Science by becoming part of an elite group of top researchers specializing in dietary solutions for healthy aging.

- **Early Access**

If accepted into our Dietary Solutions network, you will receive first notice and priority consideration for collaborative opportunities in the next 1-2 years with Nestlé Health Science.

## **Who we are**

Built on decades of innovation and dedication, Nestlé Health Science was founded in 2011 by people passionate about the power of nutrition. Since then, we've changed a lot as a company, but our commitment to healthier lives certainly hasn't. From newborn babies to the most senior citizens, we provide nutrition and nourishment where it's needed most. And to achieve that, it all comes down to science. Through extensive research and development, working with healthcare providers and focusing on innovation, we're bringing the latest advances in nutrition to the world, because we're committed to customers, patients and caregivers everywhere. We'll help them live their lives at their best—that's a promise.

Please contact the University of South Florida Technology Transfer office representative for submission – Roisin McNally at [rmcnally@usf.edu](mailto:rmcnally@usf.edu)