

Applied Biochemistry and Nutrition



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Permanent/Temporary staff ratio: 4/5

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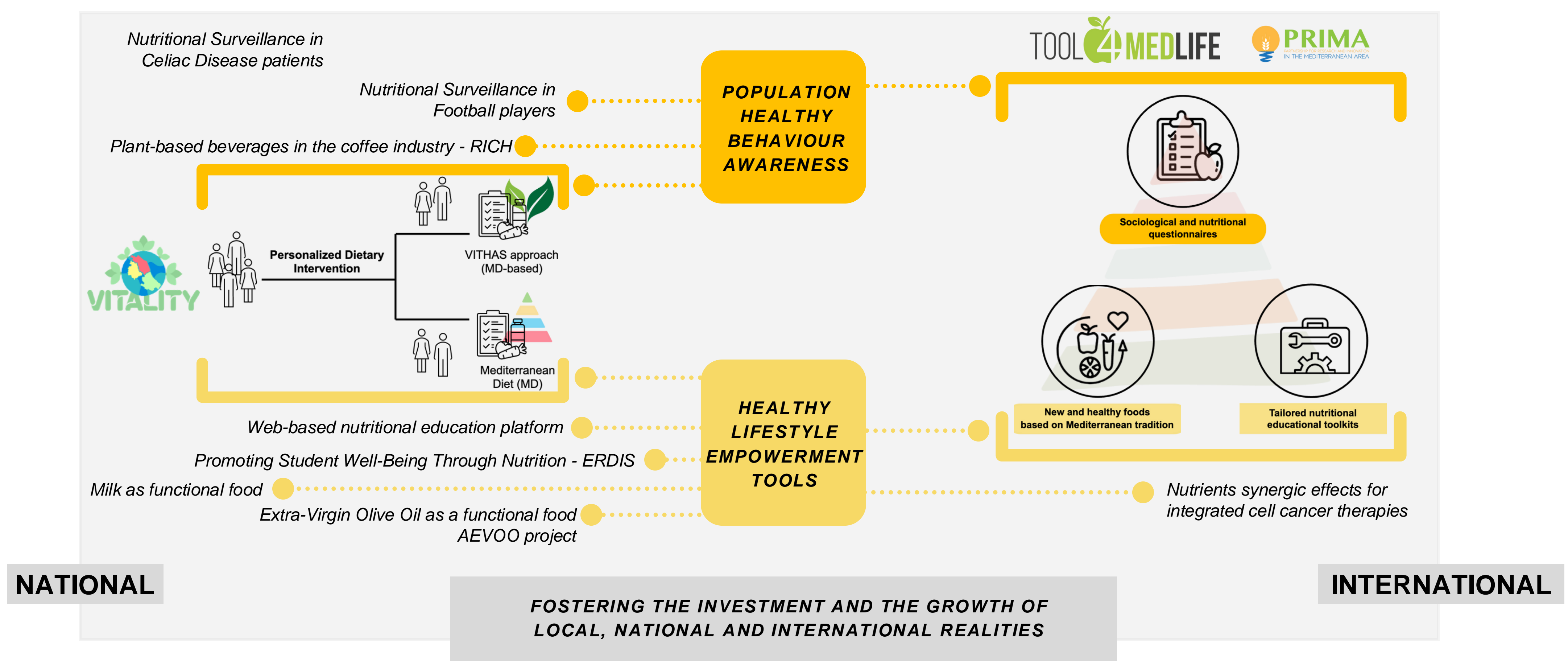
Characterising studies

- Characterisation of nutraceutical compounds in different food matrices; potential use of hypoallergenic proteins from donkey milk as nano-vehicles for bioactive molecules.
- Investigation of the effects of nutraceutical compounds on NAD metabolism in various models of accelerated ageing and neurodegenerative disease; identification of novel anti-tumour drugs and potential target pathways; derangement of folate metabolism in chronic kidney disease.
- Nutritional surveillance and study of strategies to improve population awareness of food choices; development of innovative food formulations and supplements; body composition as a tool to evaluate effects of dietary approaches.



National and International impacts

Research impacts focus on the enhancement of the mediterranean basin population healthy behaviour awareness and on the development and application of new healthy lifestyle empowerment tools. In the framework of nutritional surveillance, projects are carried out both in Italy and in Mediterranean countries to investigate dietary habits and lifestyle to support the shifting toward Mediterranean healthy lifestyle. Obtained results and developed tools provide the basis for the exploitation and practical application of the outcomes in real-world scenarios. These results offer significant potential for scientific innovation, knowledge transfer and solution to sustainable and healthy challenges.



Partnership with companies

Simonelli Group S.p.A., Belforte del Chienti (MC), Italy
Parmalat S.p.A., Milano, Italy
Synbiotec s.r.l., Camerino (MC), Italy
Medimatica s.u.r.l., Teramo, Italy
Sabelli S.p.A., Ascoli Piceno, Italy
Carciofo di Montelupone Biologico, Montelupone (MC), Italy
Vèro Azienda Agricola, Colmurano (MC), Italy
DIMAR s.r.l., Corridonia (MC), Italy
Akern s.r.l., Firenze, Italy
Nantes S.p.A., Jesi (AN), Italy

National and International collaborations

- Adana Alparslan Türkeş Science and Technology University, **Turkey**
- Institute for Adriatic Crops and Karst Reclamation, **Croatia**
- Escola Superior de Tecnologia da Saúde de Lisboa, **Portugal**
- Fundació Blanquerna - Universitat Ramon Llull, **Spain**
- Izmir Democracy University, **Turkey**
- University of Cincinnati, **USA**
- Aarhus University, **Denmark**
- Università degli Studi della Campania Vanvitelli, **Italy**
- Università degli Studi di Parma, **Italy**
- Università di Urbino, **Italy**

Roles in scientific societies/Networks/Research centers

SINU – The Italian Society of Human Nutrition | SINU Young Working Group | RICH – Research & Innovation Coffee Hub

Sources of fundings

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