EU Joint Programming Initiative

A Healthy Diet for a Healthy Life (JPI HDHL)

Joint Action 2: Biomarkers in Nutrition and Health (BioNH)

Call for Submission of Proposals

Submission deadline 10th June 2014 5p.m CEST

http://www.healthydietforhealthylife.eu/index.php/bionh

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1. Introduction

The Joint Programming Initiative is a European process, by which Member States engage on a variable geometry basis in defining, developing and implementing an agreed vision with common strategic research agenda (SRA) to address major societal challenges that no individual Member State is capable of handling independently. In the context of the JPI "A Healthy Diet for a Healthy Life" (JPI HDHL), trans-disciplinary expertise, knowledge, facilities and approaches ranging from blue sky research to large population studies and controlled trials are needed to investigate the relationship between diet, exercise and health. In addition, there is a need to examine the influence of genotypes, individual genetic and epigenetic differences, dietary patterns and life styles, including their interactions and changes over the time, on health and disease susceptibility and morbidity. The JPI HDHL entails a voluntary partnership between Member States and Associated Countries of the European Union and aims to bring major benefits to this sector by:

2. *Helping to coordinate research programmes across Europe and reducing duplication of efforts;*

3. *Making it easier to address common challenges, developing suitable solutions with the same objective concerning food, nutrition and active life policy in the international arena while taking into consideration cultural diversities among countries;*

4. *Promoting scientific excellence through joint activities with common funding and peer-review processes to minimise fragmentation of research activities and to use public resources more efficiently and effectively improving the accountability and transparency of public research programmes;*

5. *Supporting cross-border collaboration and facilitating data pooling and their collection in a uniform and standardised way;*

6. *Sharing expertise scattered across countries or throughout Europe as a whole promoting creation of a critical mass, cross-border mobility and training to facilitate timely dissemination and translation of research results to inform public health practice and policy;*

7. *Increase the scientific, technological and innovative impacts of public investments in research by strengthening the coordination with other related policies through greater programme visibility and promotion of cross-border policy learning.*

1.1. Joint Action 2: Biomarkers in Nutrition and Health (BioNH)

In pillar two of the strategic research agenda (SRA) that the Management Board (MB) of the JPI HDHL has adopted, the establishment of an initiative for biomarkers in nutrition and health has been identified as a joint activity to be developed over the period 2012–2014. This joint activity will define a research strategy and launch research activities that address the nutritional and health needs of consumers in addition to addressing the needs of industry. The following research challenge has been outlined in the SRA:

- Define and harmonise the methodology necessary to prove the nutritional effects in the development of foods.

A biomarker may be defined as *"a characteristic that is objectively measured and evaluated as an indicator of any exposure, biological process or state of a biological system."* Several national and international authorities have presented general concepts for identification of biomarkers in disease. However, clear recommendations on biomarkers in nutrition and health are lacking.
Biomarkers are important as surrogate measures in studies on nutrition and health, in particular when dietary intake is difficult to monitor objectively, or the ultimate health effect cannot be measured due to length of time it takes to establish and be measurable. Any biomarker needs careful validation. The Institute of Medicine recommended basing the evaluation process for biomarkers on three steps:

- Technical (analytical) validation as described, e.g. in ISO17025 for performance, including accuracy, precision, repeatability and other technical performance measures.
- Biological validation showing that the surrogate measure is highly predictive of the targeted health or disease endpoint. Data demonstrating the effects of interventions on the biomarker and outcomes are essential for providing support for the proposed use of the biomarker.
- Utilisation step: determines whether the analytical and biological validation provide sufficient support for the proposed use of the biomarker.

Biomarkers in nutrition and health may be classified in several ways and one of the most common classifications defines the nature of the endpoint covered by the biomarker:

- Biomarkers of intake/exposure (diet, food, food component, ingredient, contaminant or nutrient) or nutritional status;
- Biomarkers of effect (altered biological response, health status or disease risk);
- Biomarkers of individual susceptibility and inter- (and intra-)individual variation (genetic or phenotypic).

These three classes are not mutually exclusive and a biomarker may belong to more than one class.
To monitor key biological processes which are important to human nutrition and health, new biomarkers or biomarker patterns are necessary. The biomarkers are, in turn, required in the process of substantiating Article 14 health claims through evaluation by the European Food Safety Authority (EFSA).

2. Scope of the BioNH

The main objective of the **Biomarkers in Nutrition and Health (BioNH)** call is to support interdisciplinary research and innovative approaches for the validation of biomarkers and the investigation of intake/exposure and nutritional status of biomarkers within this scientific area. This is a key step in the implementation of the JPI HDHL SRA. **BioNH aims to *define and harmonise the methodology necessary to prove the nutritional effects in the development of foods.***
The intake of foods, food ingredients and food contaminants in a population is a major challenge and questionnaire technology may lead to biased results. Dietary patterns may be even more

complicated. Intake/ exposure biomarkers covering a broad number of foods and food components could provide a more objective measure of actual intake and status, and will be an important adjunct to classical dietary data. However, few foods are covered by validated intake/exposure biomarkers. One of the main applications of dietary biomarkers is to use them as a reference measurement to assess the validity and accuracy of dietary assessment methodologies. The most important dietary biomarkers for this application are:

- Recovery dietary biomarkers: based on the metabolic balance between intake and excretion over a fixed period of time;
- Predictive dietary biomarkers: to assess the degree of measurement errors in dietary assessment methods;
- Concentration and replacement dietary biomarkers: For comparison with estimated dietary intakes and estimated diet–disease risk associations.

The proposals could concern other dietary biomarkers in case they can assess the validity and accuracy of dietary assessment methodologies.
The joint action cannot stand alone and will require a close alignment with the joint actions "DEDIPAC" and the "ENPADASI" (http://www.healthydietforhealthylife.eu/). It is envisaged that appropriate horizontal initiatives will be put in place to allow for the rapid dissemination of knowledge between each of the actions at the end of 2014.

3. Participating Member States

The funding organisations that have agreed to fund this joint call for multinational research projects in this scientific area, with a view to adding value to their existing nationally funded activities, are listed below.

Country	Partner Contribution (€)
Austria	200.000
Belgium	400.000[a]
Denmark	500.000
France	1.000.000
Germany	500.000
Ireland	500.000
Italy	300.000 + in-kind
Netherlands	500.000 + in-kind
Norway	500.000
Poland	250.000
Spain	300.000 (MINECO) + In-Kind (ISCIII)
Switzerland	500.000
Total	**5.450.000 (+in Kind)**

[a] Max. 100.000 top-up funding: 10.000–25.000/existing FWO-funded project (4–10 projects). Research Foundation–Flanders (FWO) intends to integrate existing FWO projects into the consortia of the JPI Climate call through this top-up.

The call will be coordinated centrally by the Joint Action Secretariat (JAS), ZonMw. Contact details are:

Name: **Jolien Wenink/ Josanne Huijg**
Address: ZonMw
P.O. Box 93245
2509 AE Den Haag
The Netherlands

Email: jpihdhl@zonmw.nl

4. Eligibility Criteria

Joint transnational research proposals may be submitted by research groups working in universities (or other higher education institutions), non-university public research institutes, hospitals and other health care settings, as well as commercial companies, in particular small and medium-size enterprises. The eligibility of the afore-mentioned institutions, together with details of eligible costs (personnel, material, consumables, equipment, travel expenses, etc.), are subject to the individual administrative requirements of individual funding organisations and may therefore vary. Applicants will need to obtain clarification from the individual funding agencies (see National regulations in ANNEX 1 below).

Each proposal must involve a minimum of three research groups (Principal investigators) applying for funding. Only transnational projects will be funded: each consortium must involve groups from at least three different countries of the funding organisations participating in this call (see list above). Research groups from countries that are not partners in the JPI HDHL joint transnational call may participate in projects if they are able to secure their own funding. They must state clearly in the proposal if these funds are already secured or, if not, how they plan to obtain funding in advance of the project start. However, the majority of research groups in a consortium and the coordinator must be from countries participating in the call.

Each consortium should have the critical mass to achieve ambitious scientific goals and the proposals should **clearly demonstrate added value** from working together. The project coordinator will be responsible for its internal scientific management and will represent the consortium externally.

Consortia are strongly encouraged to contribute information on data, tools and bioresources generated by their research to the public domain where it should be made widely available. Access must be provided to other bona fide research groups, with the necessary arrangements in place.

Whilst applications will be submitted jointly by groups from different countries, individual research groups will be funded by the individual JPI HDHL funding organisation(s) respective of their country/region. Eligibility is the matter of individual partner organisations (ANNEX 1).

Please note: Inclusion of a non-eligible partner (i.e., an applicant applying for funding, although this partner cannot be funded by the funding agency in its country for administrative reasons according to country specific regulations) in a proposal may result in the rejection of the entire proposal without further review. Applicants are therefore strongly advised to contact their national/regional funding organisation and confirm eligibility (if any doubts) before participating in an application.

4.1.Financial and Legal Modalities

Projects can be funded for a period of up to three years. Single research groups will be funded according to national regulations. Eligible costs may vary according to the corresponding funding organisations regulations. Each group is subject to the rules and regulations of its respective national/regional funding organisation.

All project partners are advised to follow the "Quick guide for dissemination of the JPI research projects results", elaborated in the framework of the JPI-HDHL. This document is available at the JPI-HDHL website.

A project consortium agreement must be signed by all project partners in each project consortium before the commencement of the project. The project consortium agreement will specify at least decision making, monitoring, reporting, intellectual property rights (IPR) and sharing of data and resources as appropriate. The exact content of a consortium agreement will vary according to the nature and scope of the project in question. It is therefore recommended that each project partner spend adequate time assessing the construction of the agreement in order to work through and understand the implications of the terms chosen, as regards their particular participation in the project. Further guidance and model consortium agreements can be found at the European IPR Helpdesk and DESCA websites.

5. Application Procedure

The Call process will be carried out online on the **HDHL-JPI Submission Tool.** A Proposal Template is available in ANNEX 2. The submission of an application to the Call shall be construed as consent by the applicant(s) to participate in the peer-review process.

5.1.Proposal Review Procedure and Criteria

1. **Formal check of proposals:**

The JAS will check the proposals to ensure that they meet the call's formal conditions (date of submission; number of participating countries and groups; inclusion of all necessary information in English; adherence to the proposal template). Proposals not meeting the formal conditions will be rejected. However, in case of only minor formal problems, the applicants may resolve these issues within a time frame of 24 hours. The project coordinator will be contacted by the Next, the proposals meeting the formal conditions will be checked by the national/regional funding

organisations for compliance with their respective regulations. Proposals passing both these checks will be forwarded to peer-review.

2. **Peer Review Stage 1 (Postal Review):**

In accordance with the peer-review process used to evaluate proposals submitted to the JPI HDHL, all eligible proposals will be forwarded to international experts for evaluation. Each proposal will receive at least three reviews from peers with expertise in the substantive area of the proposed research.

3. **Peer Review Stage 2 (Panel Review)**:

Panels of high-level independent researchers will be convened to assess the inputs of the postal peer reviews and the overall merit and priority of applications. In addition to briefing material, panel members will receive the original application and the anonymous postal reviews. Panels will be invited to rank proposals and to make recommendations for an application to be given consideration for funding by the Call Steering Committee (CSC). When ranking proposals, panel members will give due regard to applicant's career stage and budget requested.

5.2.Further Information

For further details, please refer to the submission form ("Proposal template") available online and in ANNEX 2 and the guidelines for the Electronic Submission system. If you need additional information, please contact the JAS or your national/regional funding organisations representative (see ANNEX 1 for contact details).

6. Evaluation

Before the peer review evaluation the submitted proposals have to pass through an eligibility check for the coherence with both the general BioNH criteria and the specific national eligibility rules (stated in ANNEX 1).

The following criteria will be used for the peer review evaluation of proposals submitted:

- Scientific quality of the proposal and quality of the transnational project
  - Sound concept, and quality of objectives
  - Progress beyond the state-of-the-art
  - Quality and effectiveness of the scientific and technological methodology and associated work plan
  - Relevance to the concept of BioNH

- Quality and relevance of individual scientists and research groups
  - Quality of the consortium as a whole (including complementarity, balance) and added value achieved through transnational collaboration

- Quality and efficiency of the implementation and management of resources made available to the collaborative projects

- Track record in leadership and research management
- Appropriateness, quality and efficiency of the management structure and procedures, its organisation and coordination, including the management and sharing of data
- Quality and relevant experience of the individual participants, including interdisciplinarity
- Appropriate allocation and justification of the resources to be committed
- Effective use of budget
- Project feasibility and timeliness

- Potential impact
  - Achieve critical mass and ensure better use of limited resources in fields of mutual interests
  - Share good practices in implementing research programme, promote transnational collaborations and new knowledge generation and innovation
  - When possible, mobilise SMEs in the transnational projects to enhance innovation
  - Establish a network of research activities carried out at national and regional research programmes
  - Contribute to the advancement of knowledge and innovation approaches and socio-economic aspects of BioNH
  - Appropriateness of measures for spreading excellence through engagement with stakeholders and the public at large
  - Exploitation and dissemination of results and knowledge
  - Management of intellectual property

The proposals will be reviewed primarily for scientific excellence; however, it will be essential that the applications address each criterion fully. All applications will be graded A, B & C, and those proposals deemed fundable will be ranked by the Review Panel. Of note, only those applications with an A grade will be considered for funding by the CSC. All applicants will receive feedback on their proposals.

7. Project funding

Projects can be funded for a period of up to three years and according to funding organisations' regulations. Funding is expected to start in Q4 of 2014.

- The funding of a successful project is provided based on the virtual common pot scheme, meaning that each funding organisation will fund its own national partner(s) within the project (funding of project partners is provided by the participating national programmes according to National Regulations). However, some funding organisations may be able to fund foreign teams, e.g. via subcontracting. More information is available in the National Regulations (ANNEX 1).
- The budget for individual project proposals is not restricted; it must meet the project goals and must follow the national/organisational funding and not exceed the cash limits for each partner (see partner country contributions).

- The indicative total available budget amounts to € 5.5M.
- Successful consortia should negotiate and sign a Consortium Agreement before commencement of the project. This should address matters such as the regulation of intellectual property rights and actions to be taken in the event of unsatisfactory performance by one or more partners. In some countries, such an agreement might be required for release of the funds. Applicants have to obey national/organisational regulations regarding this issue.
- Project coordinators of a consortium having submitted an eligible proposal will be informed about the funding recommendation of the CSC regarding their proposal. Project coordinators are responsible to communicate this information to the project partners.
- After a positive funding recommendation, the project partners must directly contact their national/regional funder in order to start the contract negotiation and accomplish the remaining steps until the research project can start.

8. Responsibilities and Reporting Requirements

Each project must nominate a project coordinator, who represents the consortium externally and is responsible for all communications with the JPI HDHL (such as monitoring, reporting, intellectual property rights (IPR) issues and sharing of data and resources). Within a joint proposal, each group leader will be the contact person for the relevant national/regional funding organisation.
The project coordinator will be required to submit a brief annual scientific progress report on the joint project, on behalf of the project consortium, to the Secretariat in January of each year. The project coordinator will be required to submit a final scientific progress report on the joint project, on behalf of the project consortium, to the Secretariat within a period of 3 months after the project ends. It may also be necessary for group leaders and/or project participants to submit reports individually to their funding organisation if required by national/regional regulations.

To guarantee that all the selected projects/activities will effectively contribute the establishment of BioNH in the biomarkers field, the coordinators of the awarded projects must be available to participate in joint meetings in order to:

- exchange project results;
- develop a joint strategy to coordinate and facilitate integration of the planned activities across the different awarded projects into JPI HDHL BioNH;
- ensure that results arising are communicated promptly and regularly across the BioNH members and to the JAS, CSC and MB;
- monitor the progress of the activities and coordinate the exploitation of results;
- interface and build collaborations with the other JPI HDHL Joint Actions (ENPADASI and DEDIPAC) and relevant organisations within Europe and worldwide, providing the means to build and strengthen the research communities in the area of Biomarkers.

This activity will be facilitated by the JAS.

Funding recipients must ensure that all outcomes (publications, etc.) of transnational JPI HDHL projects include a proper acknowledgement of JPI HDHL and the respective funding partner

organisations. Researchers funded under the umbrella of JPI HDHL are requested to adhere to the JPI HDHL dissemination guidelines, which are briefly outlined below.

- As a general principle, for any research project or activity supported under JPI HDHL, participants are encouraged to take appropriate measures to engage with the public and the media about the project and to highlight the financial support from the relevant funding organisation in the JPI HDHL initiative.
- When referencing JPI HDHL for the first time within a report, article or other document, please use 'EU Joint Programming Initiative – A Healthy Diet for a Healthy Life (JPI HDHL)', and not JPI HDHL. Please also include a link to the JPI HDHL website: http://www.healthydietforhealthylife.eu/
- JPI HDHL should be referenced and acknowledged appropriately on any scientific report or publication as part of a JPI HDHL-supported project. The acknowledgement should reference the support provided to the project by JPI HDHL and the appropriate national/regional funding organisations.
- JPI HDHL-supported projects should always display the JPI HDHL logo and the JPI HDHL acknowledgement on any project-specific promotional material including event programmes, invitations, press releases, reports, presentations and external websites.

9. Ethical Issues

Research supported by the JPI HDHL must respect fundamental ethical principles. Applicants must ensure that the proposed research **respects all national rules and procedures.** It is the responsibility of the applicant to identify if their proposed research requires ethical approval. Where ethical approval is required, applicants must inform their NCP and may be requested to provide further detail. Ethical approval must be obtained from the relevant national or local ethics committee prior to the start of the project.

10. Confidentiality

The JPI HDHL JAS takes all reasonable steps to ensure that information provided in the application is treated as confidential subject to submission to the members of its committees and merit review and to any obligations under law.

11. Acronyms

CSC	Call Steering Committee
JAS	Joint Action Secretariat
JPI	EU Joint Programming Initiative
HDHL	A Healthy Diet for a Healthy Life
JTC	Joint Transnational Call
MB	Management Board of JPI HDHL
PRP	Peer Review Panel
SAB	Scientific Advisory Board of JPI HDHL

ANNEX 1: National Regulations

Please note that country specific requirements might apply to this call. For further information please contact your national representative:

AUSTRIA

Please note that country-specific requirements apply to this call. For further information on eligibility and eligible costs: contact the national contact person or consult the BMWFW homepage (www.bmwfw.gv.at)

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
Federal Ministry of Science, Research and Economy (BMWFW) Bundesministerium für Wissenschaft, Forschung und Wirtschaft (BMWFW)	Dr **Oliver Mayer** T: +43.1.53120.7145 E: oliver.mayer@bmwfw.gv.at	- Universities - Non-university research institutes / organisations - SMEs - Industry	Relevant project expenses, such as: - Personnel - Consumables - Travel - Documentation / Dissemination - Subcontracts - Equipment	0.20 Mio €	1–2

BELGIUM

Please note that country-specific requirements apply to this call. For further information follow the links below or contact the national representative. See details of this grant on the FWO website for further information on eligibility and eligible costs for participants from Belgium: www.fwo.be . The following pages of this document detail the eligibility requirements for applicants from host institutions in Belgium.

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
Research Foundation – Flanders (FWO) www.fwo.be	Dr **Olivier Boehme** Science Policy Advisor T: +32 2 550 1545 **Geertrui Poelaert** Advisor Research Affairs T: +32 2 550 1555 Research Foundation Flanders (FWO) Egmontstraat 5, 1000 Brussels E: jpi@fwo.be W: www.fwo.be	- a Flemish university - a Flemish research institution - the Transnational university Limburg - a federal scientific institution, if the co-promoter belongs to the Dutch language register.	- Bench fees - Equipment costs - Personnel grants	0.40 Mio € + 0.10 Mio € top-up [a]	2

[a]Max. 100,000 top-up funding: 10,000–25,000/existing FWO-funded project (4–10 projects). Research Foundation–Flanders (FWO) intends to integrate existing FWO projects into the consortia of the JPI Climate call through this top-up.

The following issues will be considered in a FWO eligibility check that will be conducted on any proposals with researchers from host institutions in Belgium.

Regarding the eligibility of candidates for projects funded by FWO, art. 9 of the FWO-regulation on the regular research projects is applicable. In this article is stated who can apply as a (co-)promoter for a research project (here only those cases that are relevant for JPI HDHL are listed):

Promoter:

- an Independent Academic Staff member with an appointment of more than 10% at a Flemish university;
- an Independent Academic Staff member with an appointment of 10% at a Flemish university and whose main task is research;
- an Independent Academic Staff member with an appointment of 5% at a Flemish university and with an appointment as (assistant) clinical head or an equal function in a university hospital;
- an academic staff member with an appointment at the Evangelical Protestant Faculty in Leuven and the Faculty for Protestant Theology in Brussels;
- a research director of the FWO;
- a designated beneficiary of an ERC Starting Grant, an ERC Advanced Grant or an Odysseus II grant, with a Flemish university as a host institution.

Co-promoter:

All co-supervisors have to be researchers of at least postdoctoral level. Co-supervisors have to be affiliated to a Flemish university, or a Flemish research institution, or a Flemish university hospital, or the Transnational University Limburg, or the Evangelical Protestant Faculty in Leuven, or the Faculty for Protestant Theology in Brussels, or a federal scientific institution where the co-supervisor belongs to the Dutch-speaking community. (Foreign researchers can participate as co-supervisor in the project without FWO funding, provided the collaboration is relevant for the project).Researchers from outside Flanders can be involved as co-promoter without being entitled to receive funding from the FWO and insofar as this cooperation is relevant for the project. If more than one university is involved in the project, at least one promoter or co-promoter of each university has to fulfil the above.

For the complete regulation of research projects, see: http://www.fwo.be/en/fellowships-funding/research-projects/research-project/regulations-for-research-projects/

The objective of the FWO's Research projects is to advance fundamental scientific research, on the initiative of researchers from all disciplines. The Research projects constitute an important tool with which to stimulate collaboration between different research teams. In this context, bench fees, equipment and personnel grants are made available to teams of researchers for conducting scientific high-value projects at the centre of scientific interest. Special attention is focused on projects that position their own research within a wider scientific arena and presuppose an interuniversity approach.



DENMARK

Please note that country-specific requirements apply to this call. For further information, follow this link or contact the national representative.

Funding organisation	Contact person(s)	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
The Danish Innovation Foundation www.fivu.dk	**Susanne Hede** T: + 45 7231 8392 E: sehe@fi.dk The Danish Innovation foundation Bredgade 40 DK-1260 Copenhagen K, Denmark	- Universities - Non-university research institutes/ organisations - Enterprises	Relevant project expenses, such as: - Salary-related costs - equipment costs - travel - direct running costs - dissemination and knowledge exchange costs - overheads Please also refer to: DCSR – Guidelines for budgeting in relation to transnational calls	0.5 Mio €	1–2

FRANCE

Please note that country-specific requirements apply to this call. For more details, see the online specific annex document for research groups applying to this call for funding in France: http://www.agence-nationale-recherche.fr/JPIHDHL-2014

Funding organisation	Contact person(s)	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
French National Research agency (ANR)	Dr **Martine Batoux** T : +33 1 73 54 81 40 E: batouxmartine@agencerecherche.fr ANR 7, rue Watt 75013 Paris, France	- Applicants from public research institutes such as EPST, EPIC and universities (maximum rate of support: 100% of additional costs) - Private bodies such as large enterprises or SMEs are all eligible to apply (maximum rate of support: 45% of total costs for SMEs and 30% for larger companies)	- Personnel - Consumables - Subcontracts (subcontracting costs of max 50% of requested budget per partner) - Small Equipment - Travel	1.0 Mio € [a]	3–5

[a] There is no max. funding per grant; the amount depends on the scientific need and justification for the budget. However, there is a min. amount per partner: 15.000 €

GERMANY

Please note that country-specific requirements apply to this call. For further information contact the national contact point. The following page of this document details the eligibility requirements for applicants from institutions in Germany.

Funding organisation	Contact person(s)	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
Federal Ministry of Food and Agriculture (BMEL) *represented by* Federal Office for Agriculture and Food (BLE) www.ble.de	Dr **Johannes Bender** T: +49 228 68453610 F: +49 228 68453041 E: johannes.bender@ble.de Dr **Annika Fuchs** T: +49 228 68453746 F: +49 228 68453041 E: annika.fuchs@ble.de BLE Unit 315 European Research Affairs Deichmannsaue 29 53179 Bonn	Eligible applicants are universities and research institutions domiciled in Germany. Research institutions, which receive basic financing, can be funded subject to specific conditions.	- Research costs (e.g. staff, consumables, etc.) - Travel / Networking costs - Training costs - Communication and Dissemination costs *Note:* Overhead costs are not eligible	0.50 Mio €	1–2

The following issues will be considered in a BLE eligibility check that will be conducted on any proposals with researchers from host institutions in Germany:

The Federal Ministry of Food and Agriculture (BMEL) supports the call on Biomarkers in Nutrition and Health (BioNH). The main regulations are as follows:

- Funding bases on §§23 and 44 BHO (Bundeshaushaltsordnung) and associated administrative regulations.
- The funding regulations, the follow up and the reporting of publicly funded projects are regulated according to ANBest (Allgemeine Nebenbestimmungen).
- Proposed projects must be in line with the national announcement.
- Funding will be awarded as non-repayable project grant.
- Eligible Applicants are universities and research institutions domiciled in Germany. Research institutions, which receive basic financing, can be funded subject to specific conditions.

For further information please contact the national contact point. The German component of the budget for the project must not exceed €500k.
Only eligible costs have been included.

IRELAND

Please note that country-specific requirements apply to this call. For further information follow the links below or contact the national representative. See details of this grant on the SFI website for further information on eligibility and eligible costs for participants from Ireland: http://www.sfi.ie . The following page of this document details the eligibility requirements for applicants from host institutions in Ireland.

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
Science Foundation Ireland www.sfi.ie	Dr **Manus Ward** Performance Improvement Division, Communications and Strategy Directorate Science Foundation Ireland (SFI) Wilton Park House, Wilton Place, Dublin 2 T: +353 1 607 3230 F: +353 1 607 3036 E: manus.ward@sfi.ie W: www.sfi.ie	Recognised research institution in the Republic of Ireland	- Salary-related costs - small equipment costs - travel - direct running costs - dissemination and knowledge exchange costs - overheads Please also refer to "Science Foundation Ireland: Grants and Awards: Grant Terms & Conditions" and also the SFI grant application budget policy	0.50 Mio € * * inclusive of overheads	1–2

The following issues will be considered in a SFI eligibility check that will be conducted on any proposals with researchers from host institutions in Ireland:

- The investigator(s) from Ireland must be from a recognized host institution.
- The investigator must hold a PhD, MD or equivalent.
- The PI named on the award must:
    - hold a post (permanent or a contract that covers the duration of the award) in a recognised research institution in the Republic of Ireland (the "Host Institution") as an independent investigator, **OR**
    - be a contract researcher recognised by the Host institution as an independent investigator who will have a dedicated office and research space for the duration of award, for which he/she will be fully responsible, **OR**
    - be an individual who will be recognised by the Host Institution upon receipt of the award as a contract researcher as defined above. The Principal Investigator does not necessarily need to be employed by the Host Institution at the time of the application submission.
- The PI must have demonstrated research independence through securing at least one peer-reviewed, independent research grant as a Principal Investigator or as Co-Investigator and be a senior author (first, last or corresponding or in those fields where alphabetic order authorship is the norm, joint author) in peer-reviewed scientific journals.
- The PI cannot request a salary.
- Any named co-applicants cannot request their own salary.
- The Irish component of the budget for the project must not exceed €500k (including overheads).
- Only eligible costs can be included:
    - Salary-related costs
    - Small equipment costs
    - Travel
    - Direct running costs
    - Dissemination and knowledge exchange costs
    - Overheads.

Please also refer to the "Science Foundation Ireland: Grants and Awards: Grant Terms & Conditions" and also the SFI grant application budget policy.

SFI reserves the right to reject any application that does not meet the terms of this call. The decision of the SFI Executive in respect of any grant application is final and cannot be appealed or reviewed.

ITALY

Please note that country-specific requirements apply to this call. For further information follow the links below or contact the national representative. The following pages of this document detail the eligibility requirements for applicants from host institutions in Italy.

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
Ministry of Education, University and Research (MIUR) Ministry of agricultural, food and forestry policies (Mipaaf) National Institute of Health (ISS) on behalf of Ministry of Health	**Giovina Ruberti** National Research Council, Institute of Cell Biology and Neurobiology Campus A. Buzzati-Traverso, Via E. Ramarini 32 00015 Monterotondo (Rome) – IT T: +390690091263 E: gruberti@ibc.cnr.it **Annamaria Stella Marzetti** Ministry of agricultural, food and forestry policies; DISR IV Office Via XX Settembre 20, 00187 Rome (IT) T. +39 0646655174 E: a.marzetti@mpaaf.gov.it **Roberta Masella** Dept. Veterinary Public Health and Food Safety, National Institute of Health Viale Regina Elena 299, 00161 Rome(IT) E: roberta.masella@iss.it	- Universities - Non-university research institutes/ organisations - SMEs - Industry	Relevant project expenses, such as: - Personnel - Consumables - Travel - Documentation/ Dissemination - Subcontracts Equipment	0.3 Mio € in cash (MIUR) + in kind (MIUR, Mipaaf, ISS on behalf of Ministry of Health)	

The following issues will be considered in the eligibility check that will be conducted on any proposals with researchers from host institutions in Italy:

Research groups with an excellent expertise in the thematic areas of BioNH Initiative already participating in National and/or European projects on the same area and that can provide in-kind contribution for research activity are eligible to participate in the BioNH Initiative. Applicants that belong to national public and private research institutions, that among their institutional and statutory scopes are "performing research activities" and not only are "promoting or supporting research activities", can apply for funding. Institutions include all public or private research bodies supervised by the Ministries that support the JPI HDHL BioNH Initiative (MIUR, Min. Health, and MIPAAF). It is mandatory, for all the private research bodies defined above, that they state in the official documents (statute and/or articles of incorporation, memorandum of association) that among their missions they also "perform research activities", and in case, their non-profit's purpose. SMEs, industries and organisms with other statutory nature are welcome as participants if an added value to the network is proven and if they are willing to share data and results within the JPI HDHL BioNH Initiative.

Eligible costs to be refunded:

- Personnel
    - Salaries – Only for non-permanent scientific staff (including foreign visiting scientists, post docs, PhD students, fellowships and grants).
    - Travel expenses-for permanent and non-permanent staff.
    - Consumables
- External activity costs – expenditures for activity carried out externally to the research applicant (Consultancy services, agreements, maintenance, repairs, material transportation when needed for the project implementation).
- Overheads – no more than 10% of the total amount of the above mentioned costs.
- Coordination – if an Italian institution is playing a role of coordinator non-permanent administrative staff can be included in the coordination cost.

Additional forms: once the BioNH proposal has been approved for funding and during the negotiation, each Italian research unit will have to fill in the forms provided by the competent Ministry and present it to the funding body to apply for contribution.

In case of a research unit acting as coordinator, the description of the general plan of activities must also be presented to the funding body, including the activity of all partners and the financial sheet, limited to the Italian research participants.

For further information please refer to the national contact points.

NETHERLANDS

Please note that country-specific requirements apply to this call. For further information on eligibility and eligible costs: contact the national contact person or consult the ZonMw homepage (www.zonmw.nl).

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
The Netherlands Organisation for Health Research and Development (ZonMw) www.zonmw.nl	**Josanne Huijg/ Jolien Wenink** ZonMw P.O. Box 93245 2509 AE Den Haag The Netherlands T: +31 70 3495345 E: jpihdhl@zonmw.nl	- Universities and non-university research institutes/ organisations located in the Netherlands - ZonMw budget is to complement own research investments which should be evident from the application	Relevant project expenses, such as: - Salary-related costs - travel - direct running costs - dissemination and knowledge exchange costs	0.5 Mio € in addition to in kind contribution	5-6 max.

NORWAY

Please note that country-specific requirements apply to this call. For further information follow the links below or contact the national representative. See details of this grant on the RCN website for further information on eligibility and eligible costs for participants from Norway: www.rcn.no . The following page of this document details the eligibility requirements for applicants from institutions in Norway.

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
The Research Council of Norway www.rcn.no	Dr **Maan Singh Sidhu** Senior Adviser BIONAER–Sustainable innovation in food and biobased industries Division for Energy, Resources and the Environment The Research Council of Norway Post Box 2700 St. Hanshaugen N-0131 OSLO T: +47 2203 7537 E: mss@rcn.no	- Norwegian universities and university colleges - Norwegian independent research institutes - Norwegian industry/groups of companies and industry organizations	- Salary-related costs - travel - Training costs - Communication and dissemination costs Please also refer to the "Apply for funding" at RCN homepage	0.50 Mio €	1–2

The following issues will be considered in a RCN eligibility check that will be conducted on all proposals with researchers from host institutions in Norway.

The Research Council of Norway supports the JPI HDHL call on Biomarkers in nutrition and health (BioNH) through the BIONAER programme (Sustainable innovations in food and bio-based industries) www.rcn.no/bionaer.

- The applicants from Norway must be from recognized host institutions and must hold a PhD or equivalent.
- The maximum grant for Norwegian participation is set to 500.000 €. Only eligible costs should be included.
- Norway will support Researcher Projects in this call. Norwegian participation must fulfil the RCN's requirements for Researcher Projects, see: http://www.forskningsradet.no/servlet/Satellite?c=Page&cid=1195592882768&pagename=ForskningsradetEngelsk%2FHovedsidemal
- The Norwegian partners in a proposal should be Norwegian universities, university colleges, Norwegian independent research institutes, Norwegian industry/groups of companies and/or industry organizations.
- The Norwegian participants must follow RCN's *General Terms and Conditions for R&D Projects*, see: http://www.forskningsradet.no/servlet/Satellite?c=Page&cid=1138882213515&pagename=ForskningsradetEngelsk%2FHovedsidemal
- The RCN will prioritize support to Norwegian partners in consortia where the overall idea of the project supports the BIONAER programme's goals and thematic priority areas, see BIONAER Program Plan.

Information meeting:

- The Research Council of Norway will arrange a national information meeting about the call, ultimo April in Oslo.

For further information please contact the national contact person.



POLAND

Please note that country-specific requirements apply to this call. For further information follow the links below or contact the national representative. See details of this grant on the NCBR website for further information on eligibility and eligible costs for participants from Poland: http://www.ncbir.pl . The following pages of this document detail the eligibility requirements for applicants from institutions in Poland.

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
The National Centre for Research and Development (NCBR) www.ncbir.pl	Dr **Katarzyna Moczulska** Department of Research Programmes, The National Centre for Research and Development (NCBR) Nowogrodzka 47A, 00-695 Warsaw, Poland T: +48 515 061 519 E: katarzyna.moczulska@ncbr.gov.pl	According to The Act of 30 April 2010 on the NCBR: - Scientific institution - Scientific consortia - Scientific network - Industrial Scientific Centre - Scientific units of the Polish Academy of Sciences - Legal entities with a registered seat in Poland - Enterprises having the status of R&D centre Enterprises conducting R&D activity in other than aforementioned organizational form.	- personnel costs - costs of instruments, equipment, technical knowledge and patents - costs for buildings and land - costs of contractual research - other operating costs - additional overheads More information about eligible costs is available on NCBR website	0.25 Mio €	1–4

The following issues will be considered in a NCBR eligibility check that will be conducted on any proposals with applicants from institutions in Poland:

Polish applicants must be from entities indicated in the Act of 30 April 2010 on the National Centre for Research and Development (see table above). All proposals must be aligned with National regulations, *inter alia*:

- The Act of 30 April 2010 on **the Principles of Financing Science**, published in Journal of Laws No. 96 item 615, 2010, as amended;
- The Act of 30 April 2010 on **the National Centre for Research and Development**, published in Journal of Laws No. 96 item 616, 2010, as amended;
- The Regulation of the Minister of Science and Higher Education of 28 October 2010 on criteria and rules on **granting state aid and "*de minimis*" aid** by the National Centre for Research and Development, published in Journal of Laws No. 215 item 1411, 2010, as amended.

Polish partner budget for the project cannot exceed NCBR allocation for the call (250 000 €) and must depend on the scientific needs. All costs must be adequately justified in the application.

Eligible costs:

1. personnel costs (researchers, technicians and other supporting staff to the extent employed on the research project);
2. costs of instruments and equipment, technical knowledge and patents to the extent and for the period used for the research project; if such instruments and equipment are not used for their full life for the research project, only the depreciation costs corresponding to the life of the research project, as calculated on the basis of good accounting practice, shall be considered eligible;
3. costs for buildings and land, to the extent and for the duration used for the research project; with regard to buildings, only the depreciation costs corresponding to the life of the research project, as calculated on the basis of good accounting practice shall be considered eligible; for land, costs of commercial transfer or actually incurred capital costs shall be eligible;
4. cost of contractual research, costs of consultancy and equivalent services used exclusively for the research activity; this cost type cannot account for more than 70% of all eligible costs of a project; the subcontracting can be obtained from consortium partner only in justified case, this need will be verified by a national experts panel;
5. other operating costs including costs of materials, supplies and similar products incurred directly as a result of the research activity;
6. additional overheads incurred indirectly as a result of the research project; those costs cannot account for more than 25% of all eligible project costs; Those costs (6) are counted as a multiplication by percentage given above (called x%) and the rest of direct costs, excluding subcontracting (4); It means 6=(1+2+3+5)*x%.

National funding rates:

Funding quota of Polish participants can be up to 100% for universities or research organisations. In the case of enterprises, funding quota will be decided on a case-by-case basis depending on the size of the company, type of research/development, risk associated with the research activities and commercial perspective of exploitation. Organisations must be registered in Poland.

	Large Enterprises	**Medium Enterprises**	**Small Enterprises**	**Universities and research organisations**
Fundamental/Basic Research	Up to 100 %	Up to 100 %	Up to 100 %	Up to 100 %
Industrial/Applied Research	Up to 50+15 (max 65 %)	Up to 50+10+15 (max 75 %)	Up to 50+20+15 (max 80 %)	Up to 100 %
Experimental development	Up to 25+15 (max 40 %)	Up to 25+10+15 (max 50 %)	Up to 25+20+15 (max 60 %)	Up to 100 %

More information about eligible costs is available on NCBR website: www.ncbir.pl in section: programy międzynarodowe/JPI/JPI HDHL/BioNH/materiały do pobrania, file name: katalog kosztów.

National negotiation phase:

Polish Participants recommended for funding will be informed and invited to submit Polish proposal (template will be available on NCBR website). All eligible entities invited to submit a Polish proposal are obliged to use the rate of exchange of The European Central Bank dated on the day of opening the call. National proposals will be evaluated by NCBR Experts Panel. Experts will evaluate if requested costs are justified by scientific needs. On the basis of ranking list of full-proposals recommended for funding and NCBR Experts Panel recommendation, Director of NCBR will take decision on the costs level of project funding.

SPAIN (National Institute of Health Carlos III)

Please note that country-specific requirements apply to this call. For further information follow the links below or contact the national representative. The following page of this document details the eligibility requirements for applicants from host institutions in Spain.

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
National Institute of Health Carlos III	**Sara García-Rodríguez** T: +34 91 822 29 41 E: sgrodriguez@isciii.es **Laura Mohedano** T: +34 91 822 23 77 E: lmohedano@isciii.es Department of International Research Programmes and Institutional Relations, Office for EU Research Projects.	Only research groups from CIBER, from the IIS or from CNIC are eligible to send an EoI	- Coordinator's costs - Travel costs - Communication & dissemination costs (e.g. workshops, newsletters) - Other costs upon decision of applicant	CIBERDEM (funding in-kind) - 13,500€ personnel costs - 5,000€ Travel costs	2

National regulation for eligibility

Funding

The contribution will be in-kind by the CIBER (Centro de Investigación Biomédica en Red - Centre for Biomedical Network Research) and their network centres, by CNIC (Centro Nacional de Investigaciones Cardiovasculares – National Centre for Cardiovascular Research) and/or by the Spanish Institutes of Health Research (IIS), according to their own research activity plan and subject to budget availability.

Eligibility

Only research groups from CIBER, from the IIS or from CNIC are eligible to send an Expression of Interest (EoI). An additional statement declaring the eligibility and ensuring funding if awarded, signed by the Scientific Director and the Management Director of the CIBER, of the IIS or of CNIC must be sent by each PI applicant to any of the ISCIII NCPs and received prior to the deadline of the EoI closing. Proposals not accompanied by this statement will be considered ineligible. All the applicants should contact the ISCIII NCPs prior to submit the joint proposal.



SPAIN (Ministry of Economy and Competitiveness)

Please note that country-specific requirements apply to this call. For further information follow the links below or contact the national representative. The following page of this document details the eligibility requirements for applicants from host institutions in Spain.

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
Ministry of Economy and Competitiveness (MINECO) / DG Scientific and Technological Research (DGICT)	Dr **María Colmenares** T: +34 91 603 7741 E: maria.colmenares@mineco.es E: dtcv@mineco.es DG Scientific and Technological Research /Life Science and Agri-Food Research Department	- Universities - Public research institutions, - Technological centres - Private non- profit RDI institutions	personal cost, research cost, travel, mobility, coordination cost (overheads cost are not eligible) Max. budget request of the Spanish components: 150.000 € per project	0.3 Mio€	2–3

The following issues will be considered in a MINECO (DGICT) eligibility check that will be conducted on any proposals with researchers from host institutions in Spain:

Eligibility

- The entities eligible for DGICT funding are universities, public research institutions, technological centres, and other private non-profit organizations that carry out R&D activities in Spain;
- The projects mainly aimed at clinical research are not eligible for funding from DGICT;
- Eligible applicants must hold a Doctorate degree and have experience as principal investigators (PI) in Research projects funded by the Plan Nacional de I+D+I 2008-2012 or Plan Estatal I+D+I 2013-2016.
- One researcher is not allowed either to apply for funding in more than one proposal of this call;

Funding

- Up to 100% of the marginal project cost may be financed within this programme for public institutions and up to 50% of the total project cost for private not profit institutions, according to national call regulations of the Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad.
- Eligible cost:
    - Personnel costs for temporary contracts (fellowships are not eligible);
    - Direct costs (consumables, small equipment, travel and mobility cost, etc.; according to national call regulations).
    - Maximum budget request of all Spanish component: 150.000 € per 3 years project (overheads or clinical assays are not eligible for funding from DGICT)

Important: before submitting the proposal to Call Secretariat, all applicants to DGICT funding must confirm their national eligibility at DGICT National Contact Points (NCP) by sending a pre-proposal application with the relevant applicant and institutional information.

For complete funding regulations, see: Programa Estatal de I+D+I orientada a los Retos de la Sociedad (***http://www.idi.mineco.gob.es/portal/site/MICINN/PE/retos***) and MINECO National Annex for specific eligibility regulations (***Participación en Actividades de Programación Conjunta***)

SWITZERLAND

Please note that country-specific requirements apply to this call. For further information follow the links below or contact the national representative. The following page of this document details the eligibility requirements for applicants from host institutions in Switzerland.

Funding organisation	Contact person	Eligible institutions	Eligible costs	Anticipated amount of funding for this call	Anticipated no. of funded research groups
Swiss National Science Foundation	Dr **Marjory Hunt** T: +41 31 308 23 79 E: marjory.hunt@snf.ch Swiss National Science Foundation Programme Division	- Universities - public research institutions, - private non- profit RDI institutions (See: Regulations of the Swiss National Science Foundation on research grants)	- Personnel costs (Applicants may not apply for payment of their own salaries) - Research costs Eligibility criteria and eligible costs must adhere to the standard rules and guidelines of the Swiss National Science Foundation (Funding regulations art. 8 and 13, 14 and 19)	0.5 Mio€	2

National regulation for eligibility

The official call announcement for Switzerland will be published on the website of the National Research Programme "Healthy nutrition and sustainable food production" (NRP 69), www.nrp69.ch . Details on the call and the application process are provided on the website of the JPI HDHL. Applicants are advised to contact their National Contact Point before starting to prepare proposals for application. For enquiries by Swiss partners, please see below.

Funding

The overall budget by the Swiss National Science Foundation will be 500,000€ (according to exchange rates at time of funding).

Eligibility

Eligibility criteria and eligible costs must adhere to the standard rules and guidelines of the Swiss National Science Foundation (Funding regulations art. 8 and 13, 14 and 19). All eligible costs must be linked to the project (Funding regulations, art. 19; General implementation regulations for the Funding Regulations, chapter 3). If you wish to include doctoral candidates, please refer to the salary rates of the SNSF. If you wish to include postdoctoral or technical staff, please refer to the SNSF salary rates of your institution. If your institution does not have its own salary rates, please contact one the financial officer of the Programmes Division of the SNSF.

Compliance with the goals of National Research Programme NRP 69

Projects with Swiss partners have to be in compliance with the goals of the National Research Programme "Healthy Nutrition and Sustainable Food Production" (NRP 69). Proposals must reflect one of the programme's objectives and comply with its overall framework. To ensure compliance with the goals of the NRP, all proposals with Swiss partners are subjected to an eligibility check by representatives of the NRP. This eligibility check is carried out prior to and in addition to the scientific evaluation performed by a panel of experts, based on published selection criteria. Objectives and research topics of NRP 69 are formulated in the implementation plan.
The Implementation plan of NRP 69 can be found on www.nrp69.ch > Portrait > Goals

ANNEX 2: Proposal Template

Proposal Application Form Part A: general information

Section 1: Application Summary

1.1 Acronym of the proposed project

1.2 Full title of the proposed project (up to 20 words)

1.3 Abstract (up to 200 words)

1.4 Partners

1.4 Project Duration (months)

1.5. Total funds requested

	Total costs (€)	**Requested Budget (€)**
Direct Costs:		
- Staff		
- Consumables		
- Equipment		
- Travel		
- Other		
Indirect costs		
Total		

Section 2: Applicant's Details

CVs: Please submit as Annex 1 to this Application Form a **three-page CV for each Principal Investigator/applicant** and a **one Page CV for each co-investigator/co-applicant** giving detail of qualifications, expertise as relevant to this project, current and previous posts, five most relevant publications and the past five years of grant funding received.

2.1 Principal Applicants

Coordinator - Lead Applicant (BioNH Partner 1)

Name	
Position	
BioNH Partner Country	
Division or Department	
Organisation	
Organisation address	
Phone number	
E-mail address	

BioNH Partner 2

Name	
Position	
BioNH Partner Country	
Division or Department	
Organisation	
Organisation address	
Phone number	
E-mail address	

BioNH Partner 3

Name	
Position	
BioNH Partner Country	
Division or Department	
Organisation	
Organisation address	
Phone number	
E-mail address	

The number of BioNH partners is not limited to the number of tables above. Please add further tables if required.

2.2 Co-applicants

Co-applicants (BioNH Partner 1)

Name	Position	Organisation	Division or Department	Email address

Co-applicants (BioNH Partner 2)

Name	Position	Organisation	Division or Department	Email address

Co-applicants (BioNH Partner 3)

Name	Position	Organisation	Division or Department	Email address

The number of **BioNH** partners is not limited to the number of tables above. Please add further tables if required.

2.3 Collaborators

Essential expertise may be included from outside the member states as an identified collaborator(s).

Name	Position	Organisation	Email address

2.4 Costs

Costs incurred by each partner

Detail the costs of research to be undertaken in the host country for each participating partner. Include a brief description/justification for these costs. Requests for any item of equipment above €1000 should be individually justified, in line with national eligibility criteria. Requests for equipment over €10,000 are not permitted.

Costs should be presented in Euro.

Costs should be calculated according to the relevant funding partner's standard terms and conditions.

Coordinator-BioNH Partner 1

Summary of Costs

	Total costs (€)	**Requested Budget (€)**
Direct Costs:		
- Staff		
- Consumables		
- Equipment		
- Travel		
- Other		
Indirect costs		
Total		

Description of Costs

BioNH Partner 2

Summary of Costs

	Total costs (€)	**Requested Budget (€)**
Direct Costs:		
- Staff		
- Consumables		
- Equipment		

- Travel		
- Other		
Indirect costs		
Total		

Description of Costs

BioNH Partner 3

Summary of Costs

	Total costs (€)	**Requested Budget (€)**
Direct Costs:		
- Staff		
- Consumables		
- Equipment		
- Travel		
- Other		
Indirect costs		
Total		

Description of Costs

The number of BioNH partners is not limited to the number of tables above. Please add further tables if required.

PART B: Project description

Section 3: Case for Support

The case for support to apply for this scheme must cover the following:

1. **Project description**:
    a. The rationale for the proposed study identifying gaps in existing knowledge/barriers to progress;
    b. Scientific and technological project description, including an overview of the state-of-the-art of knowledge and innovative characteristics of the project (max. 12 000 characters)
    c. Relevance to the scientific scope
    d. Role of the project in the facilitation of the development and/or validation of Biomarkers for Nutrition and/or Health
2. **The justification for collaboration**:
    a. Complementarity of the consortium
    b. Resources of the partners and description of adequacy in infrastructure and other means for the implementation of the project
    c. The added value, including policy relevance
3. **Management and Resources**:
    a. Work Plan and management of the project
    b. Roles, responsibilities and specific contributions of each partner
4. **The expected outcomes and deliverables**

Please do not exceed 10 sides of A4 (Point 10 Verdana) including reference

5. **Ethics and Research Governance (half a page max.)**

Please describe briefly the ethical issues of any involvement of people, human samples or personal data in the research proposal. Please give details of how any specific risks to human participants will be controlled, and of any new animal research Please describe the ethical review and research governance arrangements that would apply to the work done.
Please note all research undertaken must comply with the host funders terms and conditions. Release of funds for successful applications will be dependent on satisfactory compliance with such terms and conditions.

6. Data preservation and sharing (half a page max.)

Please describe briefly a data sharing and preservation strategy which is in accordance with partner funder policies, and the principles of the BioNH initiative. The strategy should include:

- Additional considerations for patient and population-based research.
- For research reliant on sharing or re-use of existing datasets, how access to, and use of, data will be managed;
- Plans for data deposition where an appropriate preservation infrastructure is available (for example, a community or institutional database/archive); and
- If the data relates to human subjects and is personally-identifiable, regulatory approvals for this secondary use where necessary.

If you do not consider any new data arising from the research proposed amenable to sharing you should provide explicit reasons why.

7. Exploitation and Dissemination (half page max.)

Where research is likely to generate intellectual property, release of funds will be dependent on provision of an agreement between participating member states which adheres to the terms and conditions of the relevant funding partners.
Please describe briefly below any research in the proposal likely to generate commercially exploitable results and any arrangements in place in the host institutions for taking forward the commercial exploitation of such research.
