

## Projects de R+D+i

### **COMPETITIVE INTERNATIONAL/EUROPEAN PROJECTS**

**Title:** Innovating the Joy of Eating (INNJOY).

**Code/Call:** EIT-HEALTH- Call 2017-Campus.

**Financing entity:** European Institute of Innovation & Technology (EIT).

**Duration:** 2017-2018.

**Principal Investigator (Spain):** Cristina Andrés Lacueva (University of Barcelona).

[More information.](#) [1]

**Title:** EU Joint Programming Initiative Healthy Diet for a Healthy Life (JPI HDHL)- JPI HDHL Joint Action. Diet and microbiome based metabolotypes for the determination of cardiometabolic risk and adapt intervention strategies for health improvement (INTIMIC).

**Code/Call:** PCIN-2017-076.

**Financing entity:** Ministry of Economy and Competitiveness (MINECO) /EU-JPI/HDHL.

**Duration:** 2017-2020.

**European coordinator:** Rikard Landberg (SE).

**Principal Investigator UB-Metabolomics group:** Cristina Andrés Lacueva (University of Barcelona).

[More information.](#) [2]

**Title:** Cook2Healt (C2H): Personal Lifestyle Assistant for better Health through nutrition.

**Code/Call:** EIT-HEALTH- Call 2015-INNOVATION by Design.

**Financing entity:** European Institute of Innovation & Technology (EIT).

**Duration:** 2016-2018.

**Principal Investigator (Spain):** Cristina Andrés Lacueva (University of Barcelona).

[More information.](#) [1]

**Title:** The Food Biomarkers Alliance. Acronym: FOOTBALL. International Initiative: 'EU Joint Programming Initiative – A Healthy Diet for a Healthy Life (JPI HDHL)'.

**Code/Call:** PCIN-2014-133.

**Financing entity:** Ministry of Economy and Competitiveness (MINECO) /EU-JPI/HDHL.

**Duration:** 2015-2017.



**European coordinator:** Edith Feskens (University of Wageningen).

**Principal Investigator UB-Metabolomics group:** Cristina Andrés Lacueva (University of Barcelona).

[More information.](#) [2]

**Title:** Gut and blood microbiomics for studying the effect of a polyphenol-rich dietary pattern on intestinal permeability in the elderly.

**Code/Call:** PCIN-2015-238.

**Financing entity:** Ministry of Economy and Competitiveness (MINECO) /EU-JPI/HDHL.

**Duration:** 01/01/2016 - 12/31/2018.

**European coordinator:** Patrizia Riso (University of Milan).

**IP grupo UB-Metabolomics:** Cristina Andrés Lacueva University of Barcelona).

[More information.](#) [3]

**Title:** Identification of dietary modulators of cognitive ageing and brain plasticity and proof of concept of efficacy for preventing/reversing cognitive decline.

**Code/Call:** PCIN-2015-229.

**Financing entity:** Ministry of Economy and Competitiveness (MINECO) /EU-JPI/HDHL.

**Duration:** 01/01/2016 - 12/31/2018.

**European coordinator:** Sandrine Thuret (King's College London).

**Co-Principal Investigagors (Spain):** Merce Pallàs and Cristina Andres Lacueva (University of Barcelona).

[More information.](#) [4]

**Title:** Association between dietary nuts exposure and cognitive decline over a three-year period in older adults: the InCHIANTI study.

**Code/Call:** FBG307906.

**Financing entity:** INC International Nut and Dried Fruit Council Foundation/ Fundació Bosch i Gimpera.

**Duration:** 10/01/2014 - 09/30/2016.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Interindividual variation in response to consumption of plant food bioactives and determinants



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involved. Acronym: POSITIVE (Plant biOactiveS INTerIndividual Variation).

**Code/Call:** COST: oc-2013-2-16719.

**Financing entity:** 0115 - European Union 7th Framework Programme -The Specific Programme 'Cooperation' implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities.

**Duration:** 2014-2018.

**European coordinator:** Christine Morand (International Agency for Research on Cancer [INRA]).

**Principal Investigator (Spain):** Cristina Andres Lacueva (University of Barcelona).

[More information.](#) [5]

**Title:** Nutrition Researcher Cohort-HEALTH SELF QUANTIFICATION PROJECT- MY DATA, MY HEALTH, OUR RESEARCH. (<http://nrc.dbnp.org/> [6]).

**Management Board:** Dr. Ben van Ommen (TNO), Marjukka Kolehmainen (University Eastern Finland), Baukje de Roos (Newcastle University).

**Contact point in Spain:** Cristina Andres Lacueva (University of Barcelona).

[More information.](#) [7]

## **NATIONAL COMPETITIVE PROJECTS**

**Title:** SGR: Grants to support the activities of the research groups in Catalonia. Catalan government. Catalan Department for Universities and Research. Biomarkers and Nutritional and Food Metabolomics.

**Code/Call:** 2017SGR1566.

**Financing entity:** Agència d'Ajuts Universitaris a la Recerca (AGAUR).

**Duration:** 01/01/2017 - 12/31/2019.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** CENTROS DE INVESTIGACIÓN BIOMEDICA EN RED (CIBER)- Instituto de Salud Carlos III. CIBERFES Fragilidad y Envejecimiento.

**Code/Call:** CB16/10/0026.

**Financing entity:** Intituto de Salud Carlos III ISCII.

**Duration:** 2016 - ....

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Determination of biomarkers of intake and effect in an intervention study with a probiotic and antioxidant to evaluate their effectiveness associated with metabolic syndrome.



**Code/Call:** SMARTFOODS - CIEN FBG308424.

**Financing entity:** CDTI-Centro para el Desarrollo Tecnológico Industrial/ Ordesa Laboratory, S.L. / Fundació Bosch i Gimpera.

**Duration:** 17/07/2014 - 28/02/2018

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** SGR: Grants to support the activities of the research groups in Catalonia. Catalan government. Catalan Department for Universities and Research. Biomarkers and Nutritional and Food Metabolomics.

**Code/Call:** 2014SGR1566.

**Financing entity:** Agència d'Ajuts Universitaris a la Recerca (AGAUR).

**Duration:** 01/01/2014 - 12/31/2016.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** New Ingredients for Functional Foods to Increase Health (Fun-C-Food).

**Code/Call:** CSD2007-063/Subproyecto UB.

**Financing entity:** Ministry of Education and Science.

**Duration:** 10/12/2007 - 09/12/2012.

**CONSOLIDER coordinator:** Francisco Tomás Barberán (CEBAS-CSIC).

**Principal Investigator UB-Metabolomics group:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Development of biomarkers of consumption and effect of a Mediterranean dietary pattern (PREDIMED study) in the prevention of cardiovascular disease: a metabolomics approach.

**Code/Call:** AGL2009-13906-C02-01.

**Financing entity:** Ministry of Science and Technology.

**Duration:** 01/01/2012 - 31/12/2012.

**Principal Investigator UB-Metabolomics group:** Cristina Andrés Lacueva (University of Barcelona).

[More information.](#) [8]

**Title:** Application of metabolomics to the study of discordant phenotypes of Obesidad/Diabetes. Metabolic profiling up to prevention and treatment.



**Code/Call:** PI13/01172.

**Financing entity:** Spanish Ministry of Economy and Competitiveness, the Spanish Health Institute ISCIII-FIS.

**Duration:** 01/01/2014 - 31/12/2016.

**Principal Investigator UB-Metabolomics group:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Metabolomic study of diabetes against Phenotypes Discordant. New Strategies for Identifying Biomarkers of unknown pathogenetic mechanisms in Risk Assessment and Identification of New Therapeutic Targets.

**Code/Call:** PI-0557-2013.

**Financing entity:** Fundación Pública Andaluza Progreso y Salud, Junta de Andalucía.

**Duration:** 01/01/2013 - 31/12/2015.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** V International Conference on Polyphenols and Health (ICPH).

**Code/Call:** AGL2010-10084-E (Complementary action).

**Financing entity:** Ministry of Science and Technology.

**Duration:** 16/12/2010 - 15/12/2011.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Screening del perfil metabólico de los polifenoles de la leche materna (polyphenol food metabolome). Desarrollo y adaptación de nuevas metodologías por LC-MS/MS de alta selectividad y especificidad. NEOBEFOOD.

**Code/Call:** FBG306133.

**Financing entity:** CDTI-Centro para el Desarrollo Tecnológico Industrial/ Ordesa Laboratory, S.L./Fundació Bosch i Gimpera.

**Duration:** 01/01/2010 - 31/12/2012.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Funtional food for a personalized nutrition (Fun-C-Food Net).

**Code/Call:** AGL2014-58205-REDC.

**Financing entity:** Spanish Ministry of Economy and Competitiveness.



**Duration:** 2015 - 2016.

**CONSOLIDER coordinator:** Francisco Tomás Barberán (CEBAS-CSIC).

**Principal Investigator UB-Metabolomics group:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Study of metabolomic biomarkers associated to diabetes and effect of food metabolome as indicator of the degree of adherence to the Mediterranean dietary pattern

**Code/Call:** ACDR 2015

**Financing entity:** Catalan Diabetes Association (ACD)

**Duration:** 01/04/2015 - 31/03/2017.

**Principal Investigator:** Mireia Urpí Sardà (University of Barcelona).

**Title:** Study of metabolic profiling ("metabotypes") responders to the effects of low-calorie diet and physical activity intervention on weight loss and modulation of the risk of complications associated with diabetes in metabolically healthy obese volunteers.

**Code/Call:** ACDR 2016.

**Financing entity:** Catalan Diabetes Association (ACD).

**Duration:** 2016 - 2018.

**Principal Investigator:** Mar García Aloy (University of Barcelona).

**Title:** Diet rich in cocoa and inflammatory activity in adipose tissue of rats.

**Code/Call:** FRIUB 2015.

**Financing entity:** Institut de Nutrició i Seguretat Alimentària de la Universitat de Barcelona (INSA-UB).

**Duration:** 2015 - 2016.

**Principal Investigator:** Mar García Aloy (University of Barcelona).

**Title:** The Food Metabolome Biomarker: new strategy for evaluate the intake of dietary bioactive compounds, foods and dietary patterns.

**Code/Call:** FRIUB 2014.

**Financing entity:** University of Barcelona.

**Duration:** 02/06/2014 - 01/06/2015.



**Principal Investigator:** Mireia Urpí Sardà (University of Barcelona).

**Title:** Phyto-D-tector. Molecular diagnosis of exposure to diet rich in fruits and vegetables through the analysis of the metabolic footprint of dietary phytochemicals.

**Code/Call:** EVALXARTA 2014.

**Financing entity:** Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR). Generalitat de Catalunya.

**Duration:** 01/01/2014 - 31/12/2014.

**Principal Investigator:** Rafael Llorach Asunción (University of Barcelona).

**Title:** A new algorithm for automatic workflow for the metabolome characterization and identification.

**Code/Call:** EVALXARTA 2012.

**Financing entity:** Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR). Generalitat de Catalunya.

**Duration:** 01/01/2012 - 31/12/2012.

**Principal Investigator:** Cristina Andrés Lacueva and Rafael Llorach Asunción (University of Barcelona).

**Title:** SAMI-LCMS: software implementation of a workflow for the automatic metabolome characterization and identification of LC-MS data.

**Code/Call:** EVALXARTA 2010.

**Financing entity:** Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR). Generalitat de Catalunya.

**Duration:** 01/09/2010 - 31/08/2011.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Metabolomic study for the development of biomarkers of consumption and effect of a Mediterranean dietary pattern (PREDIMED study) in the prevention of cardiovascular disease.

**Code/Call:** FBG305988.

**Financing entity:** Ayudas Merck Serono de Investigación - Fundación Salud 2000 / Fundació Bosch i Gimpera.

**Duration:** 31/03/2010 - 31/03/2013.

**Principal Investigator:** Rafael Llorach Asunción (University of Barcelona).



**Title:** Assessing the impact of the consumption of both wheat and white bread in the PREDIMED population: metabolomic approach.

**Code/Call:** FBG306528.

**Financing entity:** Burson Masteller S.L /Campaña "Pan cada día" / Fundació Bosch i Gimpera.

**Duration:** 08/06/2011 - 08/06/2012

**Principal Investigator:** Rafael Llorach Asunción (University of Barcelona).

**Title:** Effect of consumption of diets rich in phenolic compounds on frailty syndrome in the elderly.

**Code/Call:** FBG306776.

**Financing entity:** Fundació Mapfre / Fundació Bosch i Gimpera.

**Duration:** 01/01/2011 - 31/12/2012.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

### **INDUSTRY CONTRACT**

**Title:** Identification of biomarkers for determining metabolic status in humans.

**Code/Call:** FBG307683.

**Financing entity:** KACO - Kao Corporation, S.A. - JAPAN/ Fundació Bosch i Gimpera.

**Duration:** 17/01/2014 - 30/01/2016.

**Principal Investigators:** Cristina Andrés Lacueva and Mar García Aloy (University of Barcelona).

**Title:** Bioavailability of hydroxytyrosol in biological samples.

**Code/Call:** FBG307959.

**Financing entity:** Fundación Instituto Madrileño de Estudios Avanzados Alimentación-IMDEA Alimentación/ Fundació Bosch i Gimpera.

**Duration:** 22/09/2014 - 31/12/2014.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

**Title:** Intervention study randomized, controlled for the evaluation the antioxidant effect and bioavailability of the red grape polyphenols in a beverage functional food in a healthy volunteers. Metabolomic study. CENIT-HIGEA.





**Code/Call:** FBG306071.

**Financing entity:** CENIT HIGEA-Torres winery. Fundación Universidad Autónoma de Madrid. Ministry of Industry and Commerce/ Fundació Bosch i Gimpera.

**Duration:** 01/09/2010 - 28/02/2011.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

### **INTERNATIONAL SPECIFIC ADMINISTRATION AGREEMENT**

**Title:** NUTRITION &HEALTH. Nutrigenetics and Nutrimetabolomics. NUGO Association/Wageningen University.

**Code/Call:** FBG308438.

**Financing entity:** NUGO Association / Fundació Bosch i Gimpera.

**Duration:** 07/09/2015 - 06/09/2017.

**Principal Investigator:** Cristina Andrés Lacueva (University of Barcelona).

### **INTERNATIONAL SPECIFIC COOPERATIVE AGREEMENT**

**Title:** INTERNATIONAL SPECIFIC COOPERATIVE AGREEMENT between the University of Barcelona (Dr. Cristina Andrés-Lacueva), the National Institute on Aging (NIA-NIH. Dr. Luigi Ferrucci) and the Agenzia Regionale di Sanità della Toscana, and University of Perugia (Dr. A Cherubini). In order to participate in the Study of the urinary metabolic profile for the identification of specific biomarkers of consumption of phenolic compounds related to aging in the InCHIANTI population.

**Code/Call:** INTERNATIONAL SPECIFIC COOPERATIVE AGREEMENT University of Barcelona- National Institute on Aging- Agenzia Regionale di Sanità della Toscana- University of Perugia.

**Financing entity:** University of Barcelona- National Institute on Aging- Agenzia Regionale di Sanità della Toscana- University of Perugia.

**Duration:** 01/01/2008 - 31/12/2014.

**Participants:** IP-UB: Cristina Andres-Lacueva / IP-NIA(NIH): Luigi Ferrucci / IP-ARS: Stefania Bandinelli/IP-ARS: A Cherubini.

**Title:** Construction of the new PHENOL-EXPLORER module on polyphenol metabolism.



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**Code/Call:** INTERNATIONAL SPECIFIC COOPERATIVE AGREEMENT UB- INRA- University of Alberta.

**Financing entity:** University of Barcelona-L'institut Nationale de la Recherche Agronomique - University of Alberta - Danone - Unilever.

**Duration:** 01/01/2012 - 31/12/2014.

**Participants:** IP-UB: Cristina Andres-Lacueva / IP-INRA: Augustin Scalbert ; Claudine Manach/ IP-UA: Wishart.

**Source URL:** <http://www.nutrimetabolomics.com/proyectos>

### Links:

- [1] <https://eit.europa.eu/eit-community/eit-health>
- [2] <http://www.healthydietforhealthylife.eu/>
- [3] <http://www.healthydietforhealthylife.eu/index.php/joint-actions/microbiomics>
- [4] <http://www.healthydietforhealthylife.eu/index.php/joint-actions/nutricog>
- [5] <https://www6.inra.fr/cost-positive>
- [6] <http://nrc.dbnp.org/>
- [7] <https://humanstudies.tno.nl/nrc/>
- [8] <http://www.nutrimetabolomics.com/proyectos/agl2009>

