“Effect of diet on the mental performance of children”

Fact Sheet

Project Information

NUTRIMENTHE

Grant agreement ID: 212652

Closed project

Funded under
FP7-KBBE

Overall budget
€ 7,991,918.60

EU contribution
€ 5,902,570

Coordinated by
UNIVERSIDAD DE GRANADA
Spain

Start date
1 March 2008

End date
31 December 2013

This project is featured in...

RESEARCH*EU MAGAZINE
Women in science — and research to improve women’s lives

Objective
Current evidence on the effect of diet on mental performance (MP) is largely based on animal, retrospective studies, and short-term nutritional intervention studies in humans. NUTRIMENTHE will significantly improve this knowledge through studying the role, mechanisms, risks & benefits of specific nutrients & food components to respond to specific needs and improve the MP of children. The research will include quantification of the nutrient effects of early programming on later cognitive and mental disorders, effects of food on mental state and MP such as mood, activation, attention, motivation, effort, perception, memory & intelligence and the effects of food on mental illness. NUTRIMENTHE will establish: • A team of leading international scientists (paediatricians, neuropsychologists, psychiatrics) from top academic centres and a leading Food Multinational, providing a critical mass of experts in the effect of diet on children’s MP • Epidemiologic studies to analyse the long-term effects of pre- & early postnatal diet on children’s mental performance & illness • Follow-up of randomised clinical intervention trials with specific nutrients initiated during pregnancy, infancy & childhood • Quantitative requirements of n-3 LCPUFAs in children with restricted diet • Quantitative assessment of the interaction between nutrition & genetic variation with respect to MP • Development of a neuropsychological battery for an EU common assessment of MP • Consistent & clear pan-European recommendations on dietary requirement for children • An increase the EU public knowledge, specifically parents, teachers & industry, laying the basis for appropriate health claims about how diet influences MP in children • Establish the economic opportunity for further product development within EU • Development of a professional & public engaging dissemination programme, to increase excellence & innovation potentials & training in nutrition research linked to cognitive- & neuroscience

Fields of science

medical and health sciences › health sciences › nutrition

Programme(s)

FP7-KBBE - Specific Programme "Cooperation": Food, Agriculture and Biotechnology

Topic(s)

KBBE-2007-2-2-01 - Effect of diet on mental performance of children

Call for proposal
Funding Scheme

CP-IP - Large-scale integrating project

Coordinator

UNIVERSIDAD DE GRANADA

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Cuesta Del Hospicio Sn
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Activity type
Higher or Secondary Education Establishments

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<table>
<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>EU contribution</th>
<th>Address</th>
<th>Activity type</th>
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<tr>
<td>UNILEVER INNOVATION CENTRE WAGENINGEN BV</td>
<td>Netherlands</td>
<td>€ 249 681</td>
<td>Bronland 14, 6708 WH Wageningen</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
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<tr>
<td>ERASMUS UNIVERSITAIR MEDISCH CENTRUM ROTTERDAM</td>
<td>Netherlands</td>
<td>€ 750 019</td>
<td>'S Gravendijkwal 230, 3015CE Rotterdam</td>
<td>Higher or Secondary Education Establishments</td>
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<td>UNIVERSITAT ROVIRA I VIRGILI</td>
<td>Spain</td>
<td>€ 457 853</td>
<td>Carrer De L'escorxador 43003 Tarragona</td>
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</tr>
</tbody>
</table>
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