

**Annex V – Justification of Costs  
Quality of Life – Health Research**

**PROPOSAL NUMBER**  
**PARTNER NAME**

**QLRT-2001-01254**  
**CO 1 National Public Health Institute, Finland**  
**Professor Leena Peltonen**

<b>Equipment Item</b>	<b>Technical Description</b>	<b>Amount to be charged to the Project [€]</b>
Equipment name	Description, components; functional description; justification of its needs and tasks where it will be used; and general specifications; possible suppliers, etc.	cost breakdown and total cost to be charged to the project
Pc computer	The project in P1 consists of very demanding data handling processed ; use of different databases, (both in-house and internet), statistical analyses and programming. For that reason, it is essential that all persons dedicated to the project have up-to-date, well-equipped powerful personal computers capable of handling and transferring large files and databases. While some of this equipment can be provided by the existing resurces at P1, the number of people dedicated to this project totals to 16 (first year) and the 8 personal computers are needed to fulfill gap between the existing equipment and the need. Also, the computers dedicated to the laboratory management and database structure of DNA-extraction and handling (2) need to be equipped with both bar code readers and label printers (for labelling and handling of samples), which is the reason for the higher cost of these two units.	8x 2000€ + 2x3000€ = 22.000€ +2.000€ for coordinator
SNP genotyper	For the high number of SNPs to be genotyped in this project, we will need upgrade our SNP methods to a more high-throughput way by purchasing a automated SNP analyzer. For that reason, we are currently reviewing several options, of which all fall into this same price category.	225000€
Freezers	We need more storage space to hold the arriving blood samples and extracted DNA (both -70C and -20C freezers).	2x5000€ + 5x2000€
Server	We need an independent server system to co-ordinate the merging of phenotype data and genotype data and to store our DNA collection.	Server: 50000€, software 20000€
<b>TOTAL</b>		268.000€

<b>Subcontractor or Services</b>	<b>Work description</b>	<b>Total Cost [€]</b>
Company name and country; or t.b.d <sup>1</sup> . and country; or t.b.d.	Description of the activities/services in general and/or work packages in particular; justification and/or task where this subcontractor will supply its services; previous experience with them; possible subcontractors and when to take the decision	Total costs of the services (100% to be charged to the project)
<b>TOTAL</b>		

<sup>1</sup> T.b.d. : to be detrmind

<b>Consumables</b>	<b>Technical Description</b>	<b>Amount to be charged to the Project [€]</b>
Short description or item #	Description of components and materials; justification of its needs and tasks where it will be used; justification of the calculated values and general features, etc.	cost breakdown and total cost to be charged to the project
SNP genotyping	We will need to produce 2,4 million SNP genotypes. The present cost estimate is based on our current cost and 10% re-genotyping rate (both for validation and re-analyses)	1.295.000€
Software	We will need to establish a server for handling the vast amounts of data produced by genotyping. This server needs to be equipped with database software.	20000€
DNA-extraction	For those centers; which will not do their own DNA-extraction, we will provide this service. One DNA-extraction costs now 15€. We will need to also extract control samples for methodological development in SNP analyses. We will extract at least 2 samples for each individual, and we estimate the number of samples needed to be extracted here to be 5000 (x2). Included here are also the cost from aliquoting the DNA, storing it and handling logistics.	180.000€
Sequencing	We will need to validate the potential SNPs before starting the analyses with high-throughput methods. We estimate the need of sequencing 2-3 candidate SNPs for each one selected to be analysed. One sequencing reaction costs now 5€, 165.000=2,5 x 5€ x 22 (samples) x 600 SNPs.	165.000€
	<b>TOTAL</b>	1.660.000€

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<b>Travel</b>	<b>Place</b>	<b>Traveling persons</b>	<b>Purpose and duration</b>	<b>Cost [€]</b>
Number of the month planned	Location planned	number of persons	description and justification. In case of more than 1 person, please, give justifications	Total costs of the travel to be charged to the project
0-48	Centers	1-2	Most centers will need our assistance in sample collection and logistics. This will require personal presence.	7750€ / year x4 = 31000€
T.b.d.	t.b.d.	One to three persons per meeting, average cost 1500 €/person/meeting	Persons working on the project will travel once a year to the meetings of the Network group and to Steering group meetings. NPHI has several steering group members.	70.000€
t.b.d.	t.b.d.	1-2	Visits to potential expansion centers. Network expansion: centers on Belgium, Germany, Great Britain and Portugal with twin cohorts will be visited by us for review and assistance; both methodological and logistical	6 * 1500€ = 9000€
T.b.d.	t.b.d	3	Advisory board will meet at least once a year	4x8000€=32000€
T.B.d.	t.b.d	1	Coordinator assistant will participate in the yearly project meetings	4x1000€=4000€
<b>TOTAL</b>				<b>146.000€</b>

<b>Other specific project costs</b>	<b>Technical Description</b>	<b>Amount to be charged to the Project [€]</b>
Name	Description of the costs and justification of the needs and tasks where they will be used; justification of the calculated values and general features, etc.	cost breakdown and total cost to be charged to the project
Inclusion of other projects and additional samples	The evaluators of the project requested for more participants to be included. Currently, the negotiations are under way with two well-established twin study programs: The UK Twin Register and The Belgian Twin Register. Also, we are negotiating with Lithuanian and Maltese researchers for founding a (yet non-existent) twin register in both of these two countries. If the negotiations are successful, the, yet unspecified, cost included here will be specifically distributed to the additional centers according to their specific needs for this project.	420000€
Advisory board meetings	The advisory board meets yearly, 1000€ per year is accredited for arraigning these meetings.	4000€
	<b>TOTAL</b>	<b>424.000€</b>

Personnel Costs: all details to be provided in CPF form A7.2 1/2  
IPR costs: all details to be provided in CPF form A7.3 1/2