Tendon Therapy Train

Project ID: 676338
Funded under: H2020-EU.1.3.1.

Engineering in vitro microenvironments for translation of cell-based therapies for tendon repair

From 2016-02-01 to 2020-01-31, ongoing project

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 3 876 965,65</td>
<td>MSCA-ITN-2015-ETN - Marie Skłodowska-Curie Innovative Training Networks</td>
</tr>
<tr>
<td>EU contribution:</td>
<td>(ITN-ETN)</td>
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<tr>
<td>EUR 3 876 965,64</td>
<td>Funding scheme:</td>
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<tr>
<td></td>
<td>MSCA-ITN-ETN - European Training Networks</td>
</tr>
<tr>
<td>Coordinated in:</td>
<td>Ireland</td>
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</tbody>
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Objective

Tendon Therapy Train is a research, training and innovation programme for human and equine tendon repair and regeneration that will exploit recent advancements in tissue engineering by self-assembly (TESA) technologies which have led to the clinical translation and commercialisation of advanced therapy medicinal products (ATMPs). Although TESA therapies have the potential to revolutionise healthcare for numerous clinical targets, a lack of researchers with the necessary interdisciplinary skillset to advance the field is limiting clinical translation. Tendon therapy train, a network of 8 beneficiaries and 8 partners (7 universities, 7 companies and 2 hospitals) from six countries across Europe, will train a cohort of 15 researchers to doctoral level in the interdisciplinary area of ATMPs. The innovative credentials of the research and training programme involve engineering suitable ex vivo culture environments that, by mimicking the native tendon tissue milieu (human and equine), will maintain the tenogenic phenotype of tendon derived cells and differentiate non-tendon derived cells (stem cells and dermal fibroblasts) towards the tenogenic lineage, subsequently enabling development of three-dimensional cell-assembled tissue equivalents, the clinical potential of which will be assessed in suitable preclinical models. The comprehensive Tendon Therapy Train programme will equip researchers with transferable inter- and multidisciplinary skills that will further European-based knowledge, innovation, competitiveness and leadership in the field of TESA / ATMP and ultimately enable clinical translation and commercialisation of the developed technologies.

Related information

<table>
<thead>
<tr>
<th>Report Summaries</th>
<th>Periodic Reporting for period 1 - Tendon Therapy Train (Engineering in vitro microenvironments for translation of cell-based therapies for tendon repair)</th>
</tr>
</thead>
</table>
Coordinator
NATIONAL UNIVERSITY OF IRELAND GALWAY
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EU contribution: EUR 1,062,698,40
See on map
Activity type: Higher or Secondary Education Establishments
Contact the organisation

Participants
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4704 553 BRAGA
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EU contribution: EUR 238,356,36
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Activity type: Higher or Secondary Education Establishments
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EU contribution: EUR 546,575,76
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Activity type: Higher or Secondary Education Establishments
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EU contribution: EUR 510,748,56
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Activity type: Higher or Secondary Education Establishments
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EU contribution: EUR 262,875,60
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Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
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**Activity type:** Other

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Activity type: Higher or Secondary Education Establishments
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Cell Scale
Waterloo
Canada

See on map

Activity type: Other
Contact the organisation

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