



Wanted: Male Subjects for Muscle Study

The Institute of Aerospace Medicine at the German Aerospace Center is looking for participants for a study on the connective tissue of the musculature

The aim of our **MALICoT study** is to improve the knowledge about the connective tissue of the muscles. The connective tissue is important for our daily activities. However, it is widely unknown how the muscle's connective tissue is accomplishing this.

Therefore, we are looking for athletes and for people who do not do regular sports training. The results of this study will be compared to the results of astronauts. Several measurements will be conducted, including blood analysis, muscle biopsy of the calf muscle, MRI of the leg, force measurement of the calf muscles at a dynamometer (MARES) etc.

<u>Location:</u>	German Aerospace Center in Köln-Porz
<u>Subjects:</u>	Males between 20-35 and 60-75 years of age
	<ul style="list-style-type: none">• athletes training for sprint running or jumping athletic events• without regular activities in sports
<u>Schedule:</u>	Between July 2020 and December 2020
<u>Expense allowance:</u>	220 € including travelling expenses
<u>Expenditure:</u>	Medical check-up and subject information, about 45 min Measurements at one day, about 4.5 h

For further information and registration to the study, please visit our website at <https://www.dlr.de/me/en/malicot>, or send an email to malicot@dlr.de if you have any questions.



MRI of the calf muscles for calculating muscle volume

Microscopic view of the intramuscular connective tissue