

# First Training School

**11-13  
November  
2020**

**On line (free):**  
Microsoft Teams

**Registration deadline:**  
9<sup>th</sup> November on  
<http://i-geneproject.eu/training-school>

● HOW CAN  
NANOMEDICINE  
BE USED FOR PRECISE  
GENOME EDITING?

For further information:  
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## DAY 1 / NOVEMBER 11, WEDNESDAY

9.00 - 10.00	<b>Vittoria Raffa</b> , University of Pisa (IT), Department of Biology, "Nanomedicine for gene therapy"
10.00 - 12.00	<b>Chiara Gabellini</b> , University of Pisa (IT), Department of Biology "CRISPR/Cas9 technique: to precise gene editing and beyond!" "Take the tank: a virtual 'walk-through' in zebrafish research"
12.00 - 12.30	<b>Andrea Cioni</b> , University of Pisa (IT), Department of Law "Ethical and legal issues of gene therapy and genome editing"
12.30 - 13.00	Discussion
13.00 - 14.00	Lunch time
14.00 - 15.00	<b>Michele Lai</b> University of Pisa (IT), Department of Medicine, "Gene editing of human cells by CRISPR-Cas9"
15.00 - 16.00	<b>Giulia Freer</b> University of Pisa (IT), Department of Medicine, "Melanoma and novel therapeutic strategies by gene editing"
16.00 - 17.00	Questions and 1 <sup>st</sup> day conclusions

## DAY 2 / NOVEMBER 12, THURSDAY

9.00 - 10.00	<b>Dariusz Witt</b> , Prochimia Surfaces (PL), "Surfaces has the power to make a difference"
10.00 - 12.00	<b>Dariusz Witt</b> , Prochimia Surfaces (PL), "Synthesis of functionalized gold nanoparticle and their metallic core"
12.00 - 12.30	Discussion
12.30 - 14.00	Lunch time
14.00 - 16.00	<b>Douwe Geuzebroek</b> and <b>Arnoud Everhardt</b> , Lionix (NL), "Introduction to photonics: how to control laser light"
16.00 - 17.00	Questions and 2 <sup>nd</sup> day conclusions

## DAY 3 / NOVEMBER 13, FRIDAY

9.00 - 9.30	<b>Francesco De Angelis</b> , Istituto Italiano di Tecnologia (IT), "Plasmon Nanotechnologies"
9.30 - 11.30	<b>Martín Ricardo Abraham</b> , Istituto Italiano di Tecnologia (IT), "Light-matter interactions: from fundamentals to a few simulation tools"
11.30 - 12.00	<b>Marta d'Amora</b> and <b>Francesco Tantussi</b> , Istituto Italiano di Tecnologia (IT), "Inside an optical Lab: Laser irradiation for DNA cleavage"
12.00 - 13.00	Discussion and conclusions