I·Gene

Dear Readers,

The I-GENE team is pleased to welcome you to the 9th issue of the I-GENE newsletter. I am proud to say that the team realized some major achievements during the last months. We have optimized the chemistry of our nanoformulation in terms of stability and ability to spontaneously cross the membranes of human melanoma cells to edit them. Our proprietary formulation was patented on August 28 to protect the project IPR. We have also launched the I-GeneMatcher software, please, try this free online tool!
Please, stay up to date on the I-GENE project by reading this and the next project newsletters!

Prof. Vittoria Raffa
I-GENE coordinator

ABOUT I-GENE PROJECT

The objective of I-GENE project is to re-design the story of genome editing by developing a photo-switchable system. The I-GENE project is founded by EU (grant agreement ID: 862714) under the FET-OPEN scheme of HORIZON 2020, fostering novel ideas for radically new technologies.

Please follow our social media and website to get updates on the I-GENE mission and research activities.
https://i-geneproject.eu/project/
https://www.facebook.com/igeneproject/

PISA BRIGHT NIGHT 2023:

I-GENeer the future

I-GENE team had the opportunity to prepare various activities for everyone, from kids, and adolescents to adults during the Bright Night in Pisa! We had a lot of fun playing and explaining genetics, and gene editing. Some of our games included puzzles, science quiz as well as a public matching game at the street “Find your complementary base”.

The I-GENE team never stops exchanging ideas and expertise

The team of UNIPI-BIO at the University of Pisa welcomed and hosted Dr. Agnieszka Lindstaedt from ProChimia Surfaces at their lab for 1 week. This was another great opportunity for the I-GENE team to exchange ideas and learn from each other. Agnieszka who is an expert in Chemistry and Nano-synthesis had the chance to perform in vitro experiments using the AuNP-Cas9, a gold nanoformulation of the Cas9 protein that in the last years ProChimia Surfaces optimized its synthesis protocol.

SPREADING THE I-GENE NEWS AND RESULTS

EIC Cell & Gene Therapy Symposium – 2023

Prof V. Raffa, as a representative of I-GENE project, together with representatives from companies or projects funded by EIC, participated to the “EIC CELL & GENE THERAPY SYMPOSIUM”, a portfolio activity, led by Dr. Iordanis Arzimanoglou, EIC Programme Manager for Health and Biotech.

I-GENE experts at the EMBO Workshop "CRISPR-Cas: From biology to therapeutic applications"

Our team attended the EMBO workshop "CRISPR-Cas: From biology to therapeutic applications" that took place on 07 – 10 November 2023 in Seville, Spain. The conference was excellent organised with a lot of fruitful discussions and interesting works in the field including the I-GENE project that was represented by Istituto Italiano di Tecnologia (IIT) and University of Pisa.

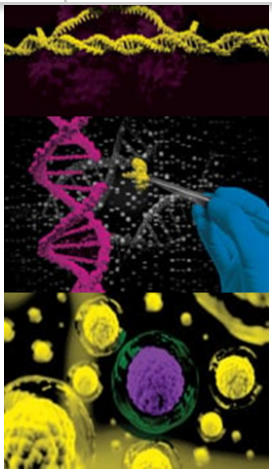
I-GENE experts even overseas – DON'T MISS THE CHANCE TO MEET

Next appointment for our team " PhotonicsWest", San Francisco, California, by SPIE, the international society for optics and photonics.

From Jan 30 to Feb 1, join us at booth #5205 to learn about the I-GENE optofluidic cell detection! Arnoud will present a novel device able to control cells in a liquid flow and count their presence and flow profile 🔬 A game-changer for cell research and a first building block towards a full flow cytometry system on-chip 💡

Follow all the updates on https://www.linkedin.com/company/lionix-international/

I-GENE conference, a satellite event at "Advanced Therapies 2024"



part of the Advanced Therapies Congress that will take place from the 19-20 March in London https://www.terrapinn.com/congress/advanced-therapies/index.stm.

Don't miss our talks on the 19th March 2024 at 11 am:

- Be smarter than a Cas9 protein (Speaker: Prof. Vittoria Raffa, Università di Pisa)
- I-GEN-eering a photo-switchable vector for gene editing (Speaker: Dr. Piotr Barski, ProChimia Surfaces, Poland)
- Fighting against pandemics using a gene editing armour (Speaker: Dr. Michele Lai, Università di Pisa)

We are waiting to see you there!

ADVANCED THERAPIES 2024

I·Gene Gateway

Do you want to be an active partner of our network. You can! Please, register to our gateway! We are looking for you and your collaboration.

https://i-gene.d4science.org/

Discover more

I-GENE Consortium

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Please follow our social media and website to get updates on I-GENE mission and research activities:

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