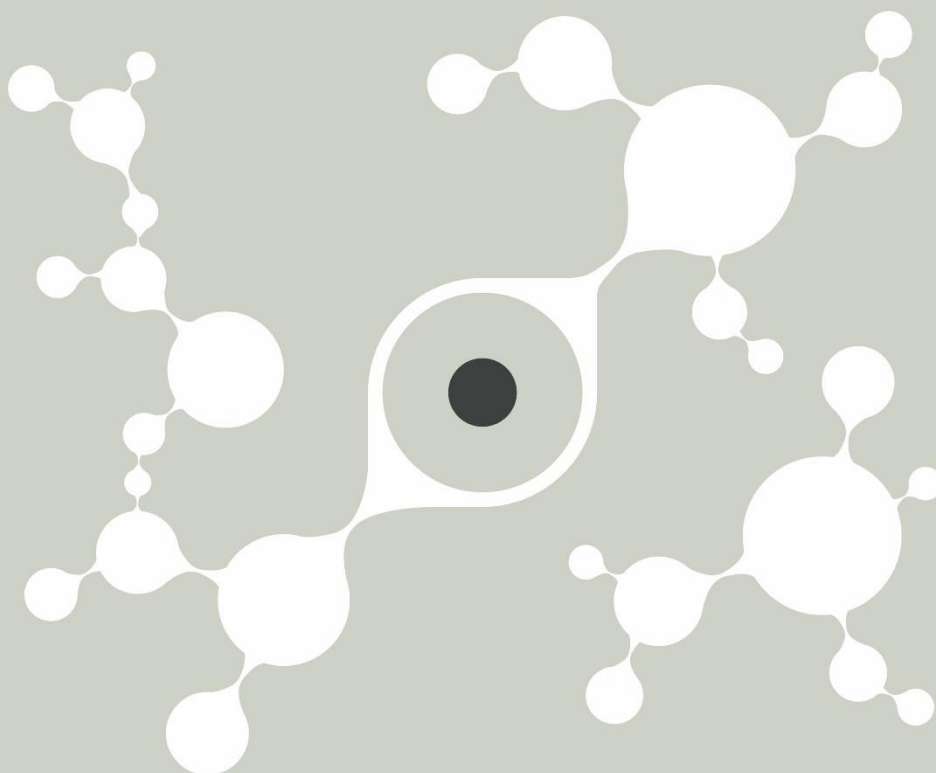




BIOEMTECH



PROJECT PROPOSAL

Proposition for a preclinical study to evaluate the
biodistribution of nanoparticles loaded with siRNACy5

17.9.2024

BIOEMTECH for BIORECAR

1. Introduction and Study Objectives

The present document constitutes a study plan suggestion and cost estimation breakdown, for a project recently discussed between BIORECAR and BIOEMTECH.

The goal of this study is to evaluate the biodistribution of nanoparticles loaded with siRNACy5. For this purpose, *in vivo* imaging will be performed at different timepoints.

2. Project Breakdown & Budget

The project shall be realised, in the following tasks:

1	Animals purchase & hosting	€ 1.1 k
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Male mice purchase (C57BL6/J type, n= 75, 5 groups, 3 timepoints, 5 mice per timepoint) and hosting (IVC cages).

2	<i>In vivo</i> Imaging	€ 15.0 k
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Intravenously administration of the nanoparticles and *in vivo* imaging will be performed on fifteen (15) mice per group, five (5) mice per timepoint. Mice will be imaged *in vivo* on three selected time points (6 hours, 24 hours and 48 hours, n=75 total scans) and then euthanized after each imaging session. Five (5) groups as follows:

Group	Compound	Number of animals	Timepoints for Imaging
1	untreated	15	6h (n= 5) 24h (n= 5) 48h (n= 5)
2	siRNA Cy5	15	6h (n= 5) 24h (n= 5) 48h (n= 5)
3	Non-functionalized NPs loaded with siRNACy5	15	6h (n= 5) 24h (n= 5) 48h (n= 5)
4	Functionalized NPs loaded with siRNACy5	15	6h (n= 5) 24h (n= 5) 48h (n= 5)
5	Commercial control	15	6h (n= 5) 24h (n= 5) 48h (n= 5)
TOTAL		75 mice	75 scans

3	Management costs	€ 1.3 k
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4	Reporting	€ 1.0 k
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Overall cost estimation (excl. VAT)	€ 18.4 k
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3. Quality assurance

The study of the current proposal will be conducted in compliance with BIOEMTECH's SOPs and internal QA system.

4. Terms of payment

Payments shall be realized by bank transfer as indicated on the relevant invoices, within thirty (30) days after the date of invoice. Invoices will be sent in accordance to the following schedule: 50% on agreement, 30% on raw data delivery and 20% on final report delivery. 100% of the total amount of any amendments to the study protocol, will be invoiced after signing.

5. Offer validity

The present quotation is valid for a time period of 3 months.

Business Development Manager



Margarita Andreadou, PhD