C3 DMP

Twee fazen:

- Initieel DMP binnen 6 maanden na toekenning financiering
- Finaal DMP mee in te dienen bij eindrapport, met toelichting en argumentatie van wat er sedert het initiële DMP veranderd is.

1. General Information			
1.1. Name of the project lead (PI)	Maarten Naesens		
1.2. C3 Project Number & Title	C3/21/043		
	TECHNICAL OPTIMISATION AND CLINICAL VALIDATION OF A NOVEL URINARY BIOMARKER FOR		
	ANTIBODY-MEDIATED REJECTION AFTER KIDNEY TRANSPLANTATION		
2. Data description			
2.1. Will you generate/collect new data and/or make	Generate new data		
use of existing data?	Reuse existing data		
2.2. Describe the origin, type and format of the data	1. Demographic, clinical and histology data come directly from the included patient files. These		
(per dataset) and its (estimated) volume.	data are stored in SAS format (demographic and clinical data) or in Microsoft Access format		
If you reuse existing data, specify the source of these	(histology data).		
data. Distinguish data types (the kind of content) from	2. Protein expression data are collected in Microsoft CSV format.		
data formats (the technical format).			
	3. Ethical and legal issues		
3.1. Will you use personal data? If so, shortly describe	Yes, personal data will be used. For this project, clinical data will be used from patients		
the kind of personal data you will use AND add the	transplanted at the UZ Leuven. In addition, samples from the Biobank Renal Transplantation will be		
reference to your notification file with the privacy	used for protein expression analysis. All data will be pseudonymized.		
commission.			
3.2. Are there any ethical issues concerning the	Yes. The clinical data and samples included in this study are approved by the Ethical Review		
creation and/or use of the data (e.g. experiments on	Committee of the University Hospitals Leuven (S53364 and S64904).		

humans or animals, dual use)? If so, add the reference		
to the formal approval by the relevant ethical review		
committee(s).		
3.3. Does your work possibly result in research data with	Yes, the intention of the data analysis is to further valorise already IP-protected inventions. IP	
potential for tech transfer and valorisation? Will IP	restrictions therefore apply.	
restrictions be claimed for the data you created? If so,		
for what data and which restrictions will be asserted?		
3.4. Do existing 3 rd party agreements restrict	Yes, 3 rd party agreements are in place with the BIOMARGIN parties involved in the initial invention,	
dissemination or exploitation of the data you (re)use? If	that is further valorised in this C3 project. The details on the restrictions for dissemination and	
so, to what data do they relate and what restrictions are	exploitation are detailed in signed contracts between the partners.	
in place?		
4. Documentation and metadata		
4.1. What documentation will be provided to enable	A readme file will be provided with each of the datasets (clinical and experimental data on clinical	
understanding and reuse of the data	samples). Raw expression data files will be collected per sample. A metadata file will be provided	
collected/generated in this project?	with the clear description of what the raw data files represent and how they were generated. This	
	metadata file will be kept in the same folder as the expression data. Research methods will be fully	
	documented as word files.	
4.2. Will a metadata standard be used? If so, describe in	For transcriptomic data, metadata will be created using the standards of the Gene Expression	
detail which standard will be used. If not, state in detail	Omnibus (https://www.ncbi.nlm.nih.gov/geo/). For other data types, other standard metadata	
which metadata will be created to make the data	formats will be explored during the project e.g. using the Dublin core (
easy/easier to find and reuse.	http://www.dcc.ac.uk/resources/metadata-standards/dublin-core).	
	5. Data storage & backup during the C3 project	
	6.	
5.1. Where will the data be stored?	The data will be stored on the centrally managed KU Leuven (Onedrive) and UZ Leuven servers with	
	automatic daily back-up procedures and version tracking. Some of the protein expression data will	
	be stored at the VITO facilities in equally protected servers.	
5.2. How will the data be backed up?	We will use the back-up facilities of the UZ Leuven and KU Leuven ICTS.	

We expect to need more back-up storage than we have now. We will discuss with KU Leuven ICTS		
the possibilities.		
We anticipate a back-up cost per Tb (KU Leuven ICTS) of 295€/year (5 Tb anticipated). In principle, we don't anticipate needing the KU Leuven ICTS digital vault, as all data with high privacy risks (i.e. the codes to decode the pseudonymization) will be stored behind the firewall of UZ Leuven. In case we do generate privacy-sensitive data that need to be stored outside the UZ Leuven environment, we anticipate a cost of 1302€/year for the digital vault to store those private data. The costs of this data storage are already budgeted in the C3 project.		
All data will be coded (i.e. pseudonymized). There continues to be a link between the data and the individual who provided it. The subjects' identifiers will however be stored separately (site file) from their research data and replaced with a unique code to create a new identity for the subject. This code is stored on the UZ Leuven server which is password protected, but which also allows to consult the electronic medical chart of the patient stored on UZ Leuven Hospital servers, only if necessary. In addition, we will store all data on the central servers of the KU and UZ Leuven, which are protected against unauthorized access by firewalls.		
7. Data preservation after the end of the C3 project		
KU Leuven expects that data generated during the project are retained for a period of minimally 5 years after the end of the project, in as far as legal		
and contractual agreements allow.		
The pseudonymized data will be preserved for at least 20 year period after end of this project. The		
generated data will be stored on designated KU and UZ Leuven servers.		
The generated data will be stored on designated KU and UZ Leuven servers (KU Leuven Enterprise		
The generated data will be stored on designated KU and UZ Leuven servers (KU Leuven Enterprise Box, KU Leuven Large Volume Storage, UZ Leuven server).		

during these 5 years? How will the costs be covered?	storage in the UZ Leuven environment is guaranteed by UZ Leuven IT department	
	8. Data sharing and reuse	
7.1. Are there any factors restricting or preventing the	Yes. Specify:	
sharing of (some of) the data (e.g. as defined in an	- Pseudonymized (coded) data will only be shared with third parties after agreement and signing a	
agreement with a 3 rd party, legal restrictions or because of IP potential)?	dedicated Data Transfer Agreement or Material Transfer Agreement.	
	- Fully anonymized and aggregated data can be shared in Open Access repositories, if necessary	
	upon publication, or upon request by third parties.	
7.2. Which data will be made available after the end of	Pseudonymized (coded) data will not be shared, unless a proper MTA/DTA is in place. This implies	
the project?	that pseudonymized data will not be made public, also not after the end of the project.	
	- Publicly relevant anonymized or aggregated datasets could be made available during or after the	
	end of the project.	
7.3. Where/how will the data be made available for	- Pseudonymized (coded) data can only be made available after a signed DTA/MTA is in place.	
reuse?	- Anonymized data can be made available in Open Access repositories	
7.4. When will the data be made available?	The data will be made available after publications via the required link in the publication or upon	
	request and after an embargo period after publication	
7.5. Who will be able to access the data and under	Once all files are released, anyone can use these data to generate new results, referring to the	
what conditions?	original publication and not for commercial use. Other data will be only released upon request and	
	after an embargo period after publication.	
7.6. What are the expected costs for data sharing? How	Usually, data repository in Open Access repositories is free of cost. If there are any costs associated	
will these costs be covered?	with data sharing to third parties, the costs of this data transfer will be negotiated in the DTA/MTA.	
9. Responsibilities		
8.1. Who will be responsible for the data	The PI of the study and the head of the Nephrology and Renal Transplantation Research Group will	
documentation & metadata?	be responsible for data documentation and metadata.	
8.2. Who will be responsible for data storage & back up	The PI of the project will be the final responsible for data storage and back up during the project.	
during the project?		
8.3. Who will be responsible for ensuring data	The PI of the project will ensure data preservation and reuse. All requests for data sharing and	
preservation and sharing?	reuse should be directed to the PI of the study.	

8.4. Who bears the end responsibility for updating &	The PI bears the end responsibility of updating & implementing this DMP.
implementing this DMP?	