|  |  |
| --- | --- |
| **Project name:** | **project\_title**  |
| **Project ID:** | **(internal use)** | **Internal PI:** |  |

**Applicant**

|  |  |  |  |
| --- | --- | --- | --- |
| First name: | **given\_name** | Surname: | **family\_name** |
| E-mail:  | **someone@myplace.dom** | Phone: | **+420 123 456 789** |
| Position: | [ ]  Researcher (Ph.D. title and higher)[ ]  Ph.D. student[ ]  MA student |
| Institution: | **legal\_name** |
| Institution type: | [ ]  University or other higher education organisation [ ]  Public research organisation[ ]  Other: |
| Address: | street, city, post code, country |

**Project proposal (max. 3 pages)**

|  |  |
| --- | --- |
| Abstract | brief summary of the work to be done |
| Type of work (check all that apply, explain below) | [ ]  Hypothesis testing (🡪 accepted/rejected)[ ]  Model and procedure development (🡪 validated animal model)[ ]  Method development (🡪 improved measurement service) [ ]  Exploratory research (🡪 e.g. quantitative characterization of samples/methods under controlled conditions)[ ]  Other:  |
| Background  | scientific context of the proposed project; explain the extent of the knowledge/technology gap to be explored  |
| Objectives | specific scientific objectives; explain what part of the gap is to be explored |
| Expected results | what new knowledge or technology is to be reached |
| Expected impact | how will it impact the scientific community and the society, how will the impact be achieved (publications, service, products etc., open-access or restricted, approximate timeline) |
| Previous work | describe any of your own previous work on this topic and its results; if application of experimental physical or chemical effects to laboratory animals is assumed, describe what biocompatibility or toxicity tests have been performed; describe your experience with the particular animal model if applicable |
| Experimental plan | what and when and how should be prepared, measured, evaluated; specify inputs and outputs, markers and processes to be observed; provide principal ideas here, specify details below |
| References | cite whatever matters |
| Quantification of the project  | e.g. number of animals, measurements, experiment duration, hours of equipment and staff time needed |
| Ethical clearance | what animal experiment protocol, its status (specify responsibilities unless evident from a protocol attached) |

Resources required

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Subject |

|  |  |  |
| --- | --- | --- |
|  | Number | Description(type, status, origin, groups) |
| [ ] mouse wt |  | (identify groups by codes to be used below) |
| [ ] mouse gmo |  |  |
| [ ] rat wt |  |   |
| [ ] rat gmo |  |  |
| [ ] rabbit wt |  |   |
| [ ] rabbit gmo |  |  |
| [ ] phantom |  |  |
| [ ] other |  |  |

 |
| Timeline(modify table size, shading and codes as needed – specify which actions should take place with which group at which time) |

|  |  |
| --- | --- |
| ACTION | Group |
| Timepoint | G1 | G2 | G3 | G4 | G5 | G6 | G7 | G8 |  |  |  |  |  |
| T1 | A1 |  | A1 |  |  |  |  |  |  |  |  |  |  |
| T2 |  | A1 |  |  |  |  |  |  |  |  |  |  |  |
| T3 | A2 |  |  |  |  |  |  |  |  |  |  |  |  |
| T4 |  | A2 |  |  |  |  |  |  |  |  |  |  |  |
| T5 |  |  |  |  | etc. |  |  |  |  |  |  |  |  |
| T6 | A3 |  |  |  |  |  |  |  |  |  |  |  |  |
| T7 |  | A3 |  |  |  |  |  |  |  |  |  |  |  |
| T8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T9 |  |  | A3 |  |  |  |  |  |  |  |  |  |  |

 |
| Action description(entry, procedure, measurement, housing, euthanasia, fixation etc.)  |

|  |  |
| --- | --- |
| A1 | describe, e.g., what measurements (e.g. M1, M3) are included in this action, or what specific conditions are to be observed (incl. anomalies in handling, feeding etc.) |
| A2 |  |
| A3 |  |
|  |  |
|  |  |
| etc. |  |
|  |  |
|  |  |

 |
| Nuclei | [ ]  1H [ ]  13C [ ]  19F [ ]  23Na [ ]  31P [ ]  129Xe  |
| Measurement(modify codes and add lines as needed) |

|  |  |  |
| --- | --- | --- |
| Code | Animal/Organ/Area | Method |
| M1 |  |  |
| M2 |  |  |
| M3 |  |  |
|  |  |  |

Select method (structural T1w, T2w, T2\*w, diffusion DWI, DTI, DKI, perfusion DCE, DSC, ASL, functional rsfMRI, spectroscopy SVS, SI, relaxometry T1, T2, T2\*, magn. transfer, ultrasound etc.), specify matrix size or resolution and further details if known. |
| Service required(if partial, add details on new lines) |

|  |  |
| --- | --- |
| Experiment design | [ ]  full [ ]  none [ ]  partial |
| Animal protocol preparation | [ ]  full [ ]  none [ ]  partial |
| Subject preparation | [ ]  full [ ]  none [ ]  partial |
| Method development  | [ ]  full [ ]  none [ ]  partial |
| Method optimization  | [ ]  full [ ]  none [ ]  partial |
| Protocol development | [ ]  full [ ]  none [ ]  partial |
| Measurement | [ ]  full [ ]  none [ ]  partial |
| Veterinary care during measurement | [ ]  full [ ]  none [ ]  partial |
| Data processing | [ ]  full [ ]  none [ ]  partial |
| Data analysis | [ ]  full [ ]  none [ ]  partial |
| Report | [ ]  full [ ]  none [ ]  partial |
|  |  |

Explanation: *full* = without assistance of customer, *none* = without assistance of MR group staff, *partial* = cooperation of both (assistance or task splitting), *method development* = pulse sequence and image reconstruction, *method optimization* = adjustment of parameters for the specific task, *protocol development* = development of measurement workflow, *data processing* = image reconstruction + data export, *data analysis* = image corrections, model fitting, quantitation, ROI and/or group statistical analysis, *report* = record of the work done and results in a single document with attachments |
| Comments |  |

Intellectual property

|  |  |
| --- | --- |
| Both parties, the client and UPT, are obliged to protect the partner’s intellectual property. Both parties will be considered as shared owners of all data and analytical results arisen from the work described above. Their publication or commercial utilization will be possible with a written consent of the other partner only. | I agree[ ]  yes [ ]  no |