**Supporting Information 1: Core and Death-Related Information Case Report Form**

Date that this CRF was filled out:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Laboratory/PI: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of person filling out CRF: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project name/Identifier: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Animal ID or Study ID (as applicable): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Type of model system:**

* Mammalian systems (e.g., rodents, other mammals): \_\_\_\_\_\_
* Non-mammalian systems (e.g., *Drosophila*, zebrafish): \_\_\_\_\_\_

**Type of study:**

* Anesthetized: \_\_\_\_\_\_
* Non-anesthetized: \_\_\_\_\_\_

**Endpoint of study:**

* Pre-defined time point: \_\_\_\_\_\_
* Seizure-induced sudden death: \_\_\_\_\_\_
* Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **CDE** | **Data Collected** |
| **Animal Information** | |
| Species | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Background strain | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Substrain | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Sex | ☐ Male  ☐ Female  ☐ Mixed |
| Genetic background | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Transgenic modification | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Generation | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Housing information or culture conditions | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Age at death | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Zeitgeber time at death | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| **Experiment-Related Information** | |
| Experiment Type | ☐ Intervention  ☐ Observational  ☐ Acute study  ☐ Long term  ☐ Other \_\_\_\_\_\_ |
| Physiological variables measured   1. EEG 2. Body Temperature 3. Heart Rate 4. Respiration 5. ECG 6. Other | ☐ EEG  ☐ Body Temperature  ☐ Heart Rate  ☐ Respiratory Rate  ☐ ECG  ☐ Other \_\_\_\_\_\_ |
| **Seizure-Related Information** | |
| Does the animal have triggered seizures? | ☐ Yes (\*see row below)  ☐ No  ☐ Unknown |
| \*If Yes, list the type of triggered seizure | ☐ Pharmacological  ☐ Audiogenic  ☐ Temperature  ☐ Electrical Stimulus  ☐ Visual (visual stimulation or photosensitivity)  ☐ Somatosensory  ☐ Other \_\_\_\_\_\_ |
| Does the animal have spontaneous seizures? | ☐ Yes  ☐ No  ☐ Unknown |
| Time since first seizure | (hh:dd:mm:yy) |
| Age at first seizure | (hh:dd:mm:yy) |
| Typical seizure information   1. Typical seizure type 2. Seizure scale used 3. Seizure scale score | ☐ Convulsive  ☐ Tonic-clonic  ☐ Clonic  ☐ Non-convulsive  ☐ Focal motor  ☐ Racine  ☐ Other \_\_\_\_\_\_  **\_\_\_\_\_\_\_\_\_\_** |
| **Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| **Seizure-Related Death Information** | |
| Seizure immediately preceding death? | ☐ Yes (\*see row below)  ☐ Yes, historically, but was not monitored in this study  ☐ No  ☐ Unknown |
| Number of seizures preceding death | (number/unit of time) |
| \*If Yes, how were seizures confirmed? | ☐ EEG  ☐ Video  ☐ Direct Observation  ☐ Other \_\_\_\_\_\_ |
| Seizure immediately preceding death information   * 1. Type of seizure immediately preceding death   2. Seizure scale used   3. Seizure scale score | ☐ Convulsive  ☐ Tonic-clonic  ☐ Clonic  ☐ Non-convulsive  ☐ Focal motor  ☐ Racine  ☐ Other \_\_\_\_\_\_  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| Was there recording at the time of death? | ☐ Yes (\*see row below)  ☐ No  ☐ Unknown |
| \*If Yes, method of recording | ☐ EEG  ☐ Video  ☐ Video-EEG  ☐ ECG  ☐ Respiratory measures  ☐ EMG  ☐ Other \_\_\_\_\_\_ |
| Spontaneous death? | ☐ Yes  ☐ No (see row below)  ☐ Unknown |
| If the fatal seizure occurred outside the expected trigger, type of trigger? | ☐ Heat-induced  ☐ Focal brain stimulation  ☐ Maximal electroshock  ☐ Pharmacological   1. Specify method   ☐ Visual (visual stimulation or photosensitivity)  ☐ Somatosensory  ☐ Unknown  ☐ Comments on conditions in which death occurred\_\_\_\_\_\_ |
| Unwitnessed death? | ☐ Yes  ☐ No  ☐ Unknown |
| Posture of animal at death | ☐ Prone  ☐ Supine  ☐ Hind limb extension  ☐ Unknown |
| Diet of animal at the time of death | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Change in diet before death | ☐ Yes  ☐ No  ☐ Unknown |
| Medications at the time of death | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Other adverse health conditions before death | ☐ Lethargy  ☐ Drop in food consumption  ☐ Weight loss  ☐ Failure to thrive  ☐ Other \_\_\_\_\_\_ |
| Other adverse health conditions at the time of death | ☐ Lethargy  ☐ Drop in food consumption  ☐ Weight loss  ☐ Failure to thrive  ☐ Other \_\_\_\_\_\_ |
| **Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |

Abbreviations: CRF: Case report form; EEG: Electroencephalogram; ECG: Electrocardiogram; PI: Principal investigator

Instructions: Please check boxes where applicable. If none of the predetermined options is appropriate, use the default space to specify your answer. This form is to be filled in for one individual animal, unless otherwise specified.

Please refer to more extensive CRF where suitable, as developed by the ILAE/AES Joint Translational Task Force:

Report on preclinical Core CDEs

<https://onlinelibrary.wiley.com/doi/10.1002/epi4.12234>

Report on preclinical neurobehavioral CDEs

<https://onlinelibrary.wiley.com/doi/10.1002/epi4.12236>

Report on preclinical physiology CDEs

<https://onlinelibrary.wiley.com/doi/10.1002/epi4.12261>

Report on preclinical pharmacology model CDEs

<https://onlinelibrary.wiley.com/doi/10.1002/epi4.12254>

Report on preclinical EEG CDEs

<https://onlinelibrary.wiley.com/doi/10.1002/epi4.12260>