EMMA 2.6 : EMMA2-Demo : Exp_Wizard

https://www.cebitec.uni-bielefeld.de/groups/brf/software/emma/cgi-bin/emr

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EMMA

EMMA2-Demo
mdondrup - Admin

Experiment Wizard

An ***experimental factor*** describes the biological condition you intend to analyze, e.g. "seed development" or "pathogen infection".
Values define different conditions that you cross-compare to analyze within these biological conditions. For example "12 days after pollination" and "14 days after pollination" could be two values for the factor "seed development" while "infected" and "not infected" would be possible values for a factor "pathogen infection". For each value, you can import data from different array experiments. Data will be averaged within each factor/value combination over all arrays entered and/or selected. – More help

Basic Actions

- Back to Step 1
- Cancel wizard
- Go to Step 3

Advanced Actions

Back to Start

SEARCH Experiment Go

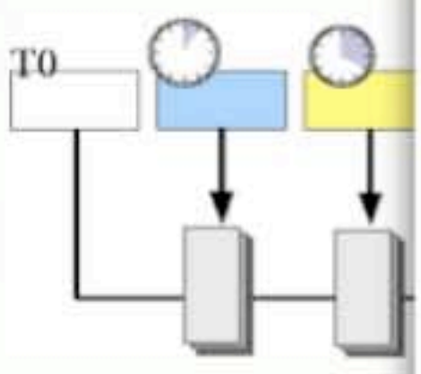
Here you can add factors and values to your experiment.
First push the *Add Factor*-button and choose one factor from the
For adding a one ore more values click on *Add Value*, enter a va
measurement type.

Create an experiment step by step Page 2 of 9

Short Introduction

A factor *is an experimental condition like temperature, time, light intensity or concentration of an substance of which you want to measure the effect of the organism under study.*

The **value** *of the factor is controlled by the experimenter such as 10 minutes for the factor time. We differ between to cases an simple experiment with only one array or an complex experiment which involves many factors with different values.*



Define factors and values of the experiment. First push the Add-Factor button and select
Thereafter you can define as many values you need for this factor by pushing the Add-V
textfield and choose a measurement type by following the link below. When you ne
process.

ADD FACTOR

temperature EnvironmentalFactorCategory

ADD VALUE | 37 degrees_C | 34 [No Measurement]

<< PAGE 1 | CANCEL | PAGE 3 >>

Mozilla Firefox

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Ontology Tree for Unit

- VolumeUnit
- QuantityUnit
- OtherUnit
- TimeUnit
- ConcentrationUnit
- TemperatureUnit
  - degrees_C
  - degrees_F
  - K
- MassUnit
- DistanceUnit

Ontology Description

degrees_C :

degrees celsius, unit of temperature

Selected Ontology

Category :
TemperatureUnit

Value :
degrees_C

Set Selected

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Done www.cebitec.uni-bielefeld.de FoxyProxy: cebitec

In this step you can link arrays with certain factors and values. Just drag the boxes from the *Factor And Values* and *Unlinked Arrays* areas to the *Experiment Design Matrix* and drop them.

Experiment Viewer (browse) << | Experiment Viewer (show) << | Factor Browser (show) << | Experiment Viewer (show) << back to

Factors And Values

timepoint (ComplexAction)		
10 [minutes]	20 [minutes]	60 [minutes]

Unlinked Arrays

PBA:DemoArrays_0

Add and remove existing arrays used in the current project

BROWSE ARRAYS

Experiment Design Matrix

Drop values here!	Drop values here!	Drop values here!	Drop values here!
10 [minutes]	20 [minutes]	60 [minutes]	
Drop arrays here! PBA:DemoArrays_1	Drop arrays here! PBA:TestArrays_0	Drop arrays here! PBA:DemoArrays_2	Drop values here!

SAVE | SAVE AND RETURN | FACTOR BROWSER