

Institute of Food Safety Animal health and Environment BIOR in cooperation with EGS Conseil, France, invites you to a Webinar about Transgenic Breeding Project Management

Date: 16th - 27th of November, 2020

Place: – **Microsoft Teams meeting**, link will be provided individually from the lecturer to those registered

TRANSGENIC BREEDING PROJECT MANAGEMENT THEORY AND APPLICATION

Total duration of the training: 2 days (16 hours), via webinars and teleconference

Trainer : Emmanuel Gomas

This training is linked to the following training topics listed in article 23 of Directive 2010/63/EU :

- 3. Basic and appropriate species-specific biology in relation to anatomy, physiological features, breeding, genetics and genetic alteration*
- 4. Animal behavior, husbandry and enrichment.*

TIME SCHEDULE

Date	Time Schedule	Training time	Validation
16/11/2020	10 :00am – 12 :00am	02h00	
17/11/2020	10 :00am – 12 :00am	02h00	
19/11/2020	10 :00am – 12 :00am	02h00	
20/11/2020	10 :00am – 12 :00am	02h00	
23/11/2020	3 :00pm – 5 :00pm	02h00	
24/11/2020	Home work	01h00	
25/11/2020	3 :00pm – 5 :00pm	02h00	
26/11/2020	Home work	01h00	
27/11/2020	3 :00pm – 5 :00pm	02h00	
		Total training time	16h

PROGRAMM

TRANSGENIC BREEDING PROJECT MANAGEMENT (THEORY)

Session 1, 2h

- o Introduction 0,5h
- o Mice genetic reminders 0,75h
- o Knowing the model 0,5h
 - International resources
 - Nomenclature
- o Test 0,25h

Session 2, 2h

- o Breeding strategies 1,75h
 - Constitutive transgenes breeding strategies
 - Inducible and conditional strategies
 - Colony size calculation
 - Assisted reproductive technologies tools
- o Test 0,25h

Session 3, 2h

- o Phenotype management 1,75h
 - Establishing a stable genetic background
 - Genetic background shift management
 - Environmental parameters
- o Test 0,25h

Session 4, 2h

- Health status impact 1h
- o Introduction to phenotyping 0,5h
 - Primary and secondary phenotyping
 - Adverse phenotypes
- o Conclusion 0,25h
- o Test 0,25h

TRANSGENIC BREEDING PROJECT MANAGEMENT (APPLICATION AND EXERCISES)

Session 1, 2h

- o Introduction and theoretical reminders
- o Colony size calculation and breeding follow-up tools
- o Introduction to first exercises session
- o Topic of exercises:
 - Genetic strategies and colony size calculation
 - Breeding follow-up and improvement

Home work Session 1: Minimum 1h home work to solve exercises

Session 2, 2h

- o Exercises solutions

- o Introduction to second exercises session and attendees project review
- o Topic of exercises :
 - Resources and cost calculation

Home work Session 2: Minimum 1h home work to solve exercises and prepare attendees project review

Session 3, 2h

- o Exercises solutions
- o Attendees projects review
- o Conclusion

EGS Conseil