

CRB Anim : past, present and future



Achievements : May 30, afternoon

Session 1 : New collections and new methods; chair Sipke-Joost Hiemstra

2 – 2:30 pm (20' + 10') - Collection enrichment and use: changes since 2012

Michèle Tixier-Boichard (INRAE Jouy-en-Josas)

Presentation of the collection expansion in volume and diversity in term of sampling nature and species – web portal for access to resources.

2:30-3:30 pm - Technological advances

Overview of main objectives (15'): *Catherine Labbé (INRAE Rennes)*

Three examples 15' each (10+5')

- Focus on one significant advance in birds: *Anais Carvalho (INRAE- Tours)*
Proteomics of semen for fertility prediction in poultry
- Focus on one significant advance in aquatic species: *Catherine Labbé (INRAE Rennes)*
Routine implementation of the germinal stem cells cryopreservation in fish
- Focus on one significant advance in mammals: *Samuel Buff (VetAgroSup)*
New preservation media to increase biological safety of a range of biological materials

Break 3:30 – 4:00

Session 2: New data and improved operations: chair Hannes Lohi

4.00-5:20 - Research projects supported by CRB-Anim funding and CRB-Anim collections overview (20'): *Bertrand Pain (INRAE-INSERM)*

Three examples 20 ' per project :

- Variation in semen methylation status : species, animal, cryoconservation : *Hélène Jammes (INRAE Jouy-en-Josas)*
- QTL mapping for microbiota data in sheep : *Christel-Marie Etancelin (INRAE Toulouse)*
- Genetic basis of epilepsy in dogs : a multi-breed approach and a model for human epilepsy : *Catherine André (CNRS, Rennes)*

5.20-5:40 - Improving BRC operations : QMS, fee policy, training, IBiSA label. *Michèle Tixier-Boichard*

5:40-5.55 - Integration of CRB-Anim in the RARE infrastructure : *Michèle Tixier-Boichard*

End : 6 pm

Programme pour le séminaire international CRB Anim

30-31 Mai 2022

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Prospects for animal biological resources Tuesday 31 morning

Session 3 : Prospects and challenges: chair Henner Simianer

9:00-9:20 - Challenges driven by genomic advances for handling and preserving biological resources. *Denis Milan (INRAE Toulouse; infrastructure France-Génomique)*

9:20-9:40 - CRB-Anim collections: resources for agroecology.
Gwendal Restoux (INRAE Jouy-en-Josas)

9:40-10:00 - Prospects of biobanking for insects.
Florence Guignot (INRAE Tours)

10-10:30 - A national strategy for research on biodiversity.
Aurélie Delavaud (Fondation pour la Recherche sur la Biodiversité)

10:30 break

Session 4: International dimension: chair Paul Boettcher

11:00-11:20 : From a European strategy on genetic resources towards a European biobanking infrastructure.
Sipke-Joost Hiemstra (CGN, NL)

11:20-12:10: EuroFAANG infrastructure concept.

- General presentation of the concept (20'+5') *Emily Clark (Roslin Institute, UK)*
- Organoids from stem cells for all species (20'+5') *Bertrand Pain*

12:10-12:30 The Genetic Conservation Project in Thailand - An initiative supported by Her Royal Highness.
Princess Maha Chakri Sirindhorn – Amonrat Molee, (University of Suranaree, Thailand)

12:30-13h - Roundtable

- Roundtable : feedback from the ISAB and European perspectives for the organization of Biobanking for domestic animals.

12:30 - Concluding remarks: CRB-Anim becomes a GIS to sustain its activity. *Michèle Tixier-Boichard*