



EURO-FBP
European Network for Foodborne Parasites



COST Action FA1408

European Network for Foodborne Parasites in Europe (EURO-FBP)

WG3 Meeting

“Effectively advance the writing of reviews on the efficacy of decontamination treatments on foodborne parasites”

MINUTES OF THE MEETING

Meeting date: 14th – 15th of November 2017

Meeting venue:

Instituto Superior Tecnico

Av. Rovisco Pais 1,

Centro Congressos – Room 02.3

1049-001 Lisboa Portugal

(Contact at IST: Ricardo Santos, ricardosantos@ist.utl.pt, +351 218417110)

Local hosts: Ricardo Santos (Instituto Superior Tecnico, Lisbon, Portugal)

ricardosantos@ist.utl.pt

Scientific organizers: C. Gérard (Nestlé Research Center, Lausanne, Switzerland)

cedric.gerard@rdls.nestle.com) and L. Robertson (NMBU, Oslo, Norway,

lucy.robertson@nmbu.no)

People present:

Ricardo Santos, Silvia Monteiro, Lucy Robertson, Cédric Gérard, Frits Franssen, Kjersti Utaaker, Stephanie Lacarbona, Mirosław Rozycki, Maria Madalena Viera Pinto, David Rodriguez-Lazaro, Kristoffer Tysnes, Peter Paulsen, Abidelfatah Nasser

1. General papers discussions:

- Selection of the journal for publication:
 - ➔ We decided to go for “Trends in Foods Science and Technology
- Manuscript submission:
 - ➔ We decided not to submit all papers at the same time and not to have a special issue due to different stages of paper advances
- Discussion around the method paper:
 - ➔ We will envisage other possibilities to have WG3 outputs on methods to evaluate viability/inactivation through S. Lacarbona PhD student making a review on Cryptosporidium, Giardia and Toxoplasma and through the Norwegian PARA-BERRY Grant that will review methods to assess viability / Inactivation for Cyclospora, Toxoplasma and Echinococcus.



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2. Group review of the “Foods of Animal Origin Paper”

DEADLINE FOR TASKS COMPLETION: 24th of November

TARGET SUBMISSION: JANUARY 2018

LUCY:

- ➔ Review “Future trends” chapter + Conclusion including change in trade, consumer preference for less treated foods, trends in consumer behaviour and climate change)

MIREK:

- ➔ Review Occurrence chapter and adapt 2.1.3 to include dairy products

MADALENA:

- ➔ Be more concise on chapter 4.1.1. Review Microwave info on last chapter to include it in heating chapter.

PETER:

- ➔ Condense the text on the non thermal chapter and integrate some info from the table in the text. Write an abstract.

DAVID:

- ➔ Complete the tables on irradiation and remove non original references in tables

KRISTOFFER:

- ➔ Be more concise on the chapter key preventive measures and split storage info and preventive measures currently in the same chapter into 2 chapters

3. Group review of the “Foods of NON-Animal Origin Paper”

DEADLINE FOR TASKS COMPLETION: 8th of December

TARGET SUBMISSION: EARLY 2018

LUCY:

- ➔ Review the parts of Neil i.e. “irradiation”, “Future trends”, “Conclusion”

STEPHANIE:

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- ➔ Review the chapters on Ozone and Chlorine as well as oxidizers introduction chapter to mitigate the impact of water publications

DAVID:

- ➔ Write a drying chapter, Review the chapter on UV and complete tables with missing information

KJERSTI:

- ➔ Review content of the oxidizers chapters and eliminates very small tables after making sure information is then transposed in text. Review text of the chapters.

ABID:

- ➔ Review occurrence chapter to make it more concise.

KRISTOFFER:

- ➔ Review the key preventive measures and storage chapter to split into two chapters. Review wording and conciseness.

ANAMARIA:

- ➔ Review the chapter on heat treatment To make it more concise where feasible

ANET:

- ➔ Review the chapter on heat treatment To make it more concise where feasible

FOR ALL WORKING IN THIS PAPER:

- ➔ **MAKE SURE THE TABLES CONTENT IS REVIEWED AGAINST THE ORIGINAL REFERENCE. WHEN THIS IS DONE COLOUR THE LINE IN GREEN SO THAT CEDRIC IS SURE THIS HAS BEEN REVIEWED ACCORDINGLY AS PER THE BELOW EXAMPLE:**

| Hazard | Transmission stage | Control measure | Condition | Method | Effect | Log reduction | Matrix |
|------------------------|--------------------|------------------|---------------------------------------|---|--------------------------------|---------------|---------------------------|
| <i>Giardia lamblia</i> | cysts | Oxydizer (ozone) | CT = 2.5732.8 mg.min/L; 22°C; pH 6.85 | infectivity (Mongolian gerbils) | 4 log reduction of infectivity | 4.00 | phosphate buffer (0.05 M) |
| <i>Giardia muris</i> | cysts | Oxydizer (ozone) | CT = 0.20 mg.min/L; 25°C; pH 5.0 | cyst excystation; initial log cyst population: 5.48 | 99% reduction of viability | 2.00 | acetate buffer (0.01 M) |