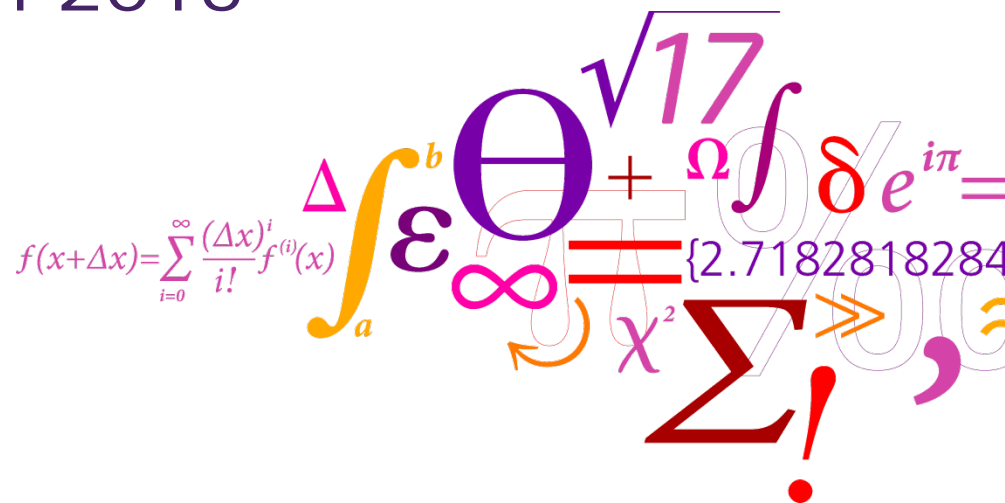




'Cocktail Project' seminar

Rie Vinggaard
Eigtveds Pakhus
19th March 2015





Chemical cocktails are a regulatory challenge

"... at present risk assessment on the combined effects of chemicals in a mixture is not commonly carried out, nor required by most EU regulations"

EU Scientific Committees on Health and Environmental Risks, Emerging and Newly Identified Health Risks, and Consumer Safety) (2011) Toxicity and Assessment of Chemical Mixtures. European Commission, DG Health & Consumers, Brussels

Project management

ADVISORY BOARD

Danish Vet and Food Adm. : Henrik Dammand & Dorthe Licht
DTU Food : Christine Nellemann & Jørn Smedsgaard

COORDINATION GROUP

Leaders of Cocktail **1-7**

1



2



3



4



5



6



7



Aims

- To assess cocktail effects and mathematical models
- To develop alternative methods for grouping of chemicals
- To map the population's exposure to chemicals through foods
- To develop a new strategy for assessing food packaging
- To develop a multi-method for simultaneous detection of many chemicals in foods
- To suggest a user-friendly tool for mixture risk assessment

Project structure

1 Mixture effects

Leader: C Taxvig

2 Mixture effects

Leader: AM Vinggaard

6 Emerging chemicals

Leader: PH Rasmussen

5 Food packaging

Leader: JH Pedersen

3 Modelling effects

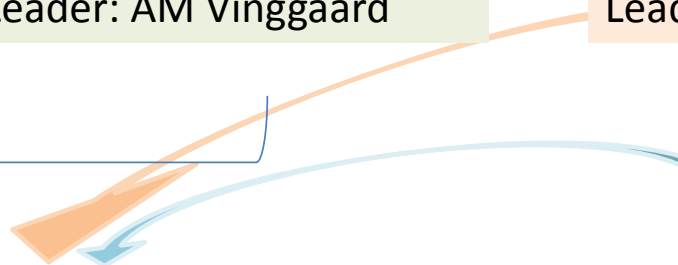
Leader: N Hadrup

4 Exposure assessment

Leader: A Petersen

7 Toolbox for risk assessment

Leader: M Dybdahl







Outcome in numbers

5 PhD's

20 - 30 international peer-reviewed papers

10 reports

Cocktail: Danmarks største forskningsprojekt om cocktaileffekter i fødevarer



'Mixture effects of chemicals'

'The **Cocktail** Project'

Fødevarekemisk indsats under Fødevareforlig II

2011-2015

AM Vinggaard, N Hadrup, JH Petersen, A Petersen, PH Rasmussen, M Dybdahl, H Frandsen, C Taxvig, U Hass, GA Pedersen, A Lykkeberg, J Boberg, AK Sharma, ML Binderup, Kit Granby, Xenia Trier, AK Rosenmai, KG Kongsbak, L Bengtstrøm, K Skov, NL Hansen, T Svingen

Final report

National Food Institute

Technical University of Denmark

March 2015

