

ASSESSING SHORT- AND LONG-TERM RAT FEEDING STUDIES WITH THE GENETICALLY MODIFIED MAIZE NK603 AND MON810

Conference on general conclusions and recommendations
from three scientific projects

16 APRIL 2018

Hotel Devín
Riečna 4, Bratislava, Slovak Republic

Context

G-TwYST (Genetically modified plants Two Year Safety Testing) and GRACE (GMO Risk Assessment and Communication of Evidence), two European Commission funded research projects, and GMO90+, a research project financed by the French government, conducted short and long term feeding trials with GM maize NK603 and MON810. The studies were to constitute a base on which to develop guidance on the conduct and analysis of 90-day subchronic toxicity, 1-year chronic toxicity and 2-year carcinogenicity studies and to comparatively evaluate their value for GMO risk assessment. The three projects included extensive stakeholder engagement activities.

More information about the projects is available at [the G-TwYST website](#), [the GRACE website](#) and the [GMO90+ website](#).

Objective

The aim of this conference is to present general conclusions and recommendations from the feeding studies and discuss the challenges in performing and analysing toxicity and carcinogenicity studies, as well as possible ways forward.



“GMP Two Year Safety Testing” (G-TwYST) is a Collaborative Project of the European Union’s Seventh Framework Programme for research, technological development and demonstration.

Grant agreement no 632165

Project duration: 21 April 2014 – 20 April 2018

Project website: www.g-twyst.eu

FINAL PROGRAMME

09:00	Welcome and opening	Prof. Dr. Peter Šimko, rector of the Slovak Medical University
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I. G-TWYST IN A NUTSHELL (CHAIR: RALF WILHELM)

09:10	G-TwYST objectives, concept	Ralf Wilhelm
09:30	Results 90-day feeding trials	Dagmar Zeljenková
09:50	Results of combined 1- and 2-year feeding trial	Pablo Steinberg
10:10	G-TwYST Stakeholder engagement, transparency and data access	Armin Spök

10:30	Coffee break	
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II CHALLENGES AND POSSIBLE WAYS FORWARD (CHAIR: PABLO STEINBERG)

11:00	Performing whole food tox studies (<i>costs and logistics</i>)	Ralf Wilhelm
11:20	Analysing whole food tox studies (<i>statistics</i>)	Hilko van der Voet
11:40	Omics analyses (<i>plant omics</i>)	Gijs Kleter
12:00	Controversies around facts and values in animal feeding studies	Monica Racovita
12:30	Stakeholder involvement	Armin Spök

13:00	Lunch	
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III. GMO90+, GRACE & G-TWYST (CHAIR: ARMIN SPÖK)

14:00	GMO90+ Extended and detailed study design	Bernard Salles
14:20	GRACE Added value of 90d feeding trails, and study duration	Joachim Schiemann
14:40	Brief Statements of G-TwyST to <ul style="list-style-type: none">Added value of 90-day feeding trialsExtended and detailed study design	Pablo Steinberg
15:00	Quality criteria for animal feeding studies	Pablo Steinberg
15:30	Session discussion	

16:00	Coffee break	
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IV. LESSONS LEARNED: PANEL DISCUSSION WITH THE AUDIENCE (MODERATOR: HUIB DE VRIEND)

16:30	Panel discussion with project leaders <ul style="list-style-type: none">Extension of 90-day studies w/o triggerStudy designAdded value	Bernard Salles Joachim Schiemann Pablo Steinberg
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17:45	Closing remarks	
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