

## Opportunity to Respond to Questions

This form provides the opportunity to respond to the questions posed in the Background Paper: Joint FAO/WHO Development of a Scientific Collaboration to Create a Framework for Risk Assessment of Nutrients and Related Substances.

Responses may be typed in to the form directly or appended as an 'attachment' to each question (use 'Upload file'). Fields with asterisks are required. Responses and your name/organization will be available for public viewing.

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### *Name/Organization*

#### **Title**

Mr

#### **First name \***

Eiji

#### **Last name \***

Sato

#### **Name of Organization (Use 'None' if none) \***

International Council on Amino Acid Science (ICAAS)

#### **Affiliation Category (click on bar to select a sector) \***

Non-profit Organization

#### **Today's Date \***

10/12/2004

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### **Question 1**

The Background Paper discusses the possibility that hazard identification and hazard characterization have global relevance, while exposure assessment and risk characterization are relevant to populations. If such a conceptual framework for the four steps is appropriate, then scientific principles could be organized and considered along these same lines.

**Question 1a: Is the distinction between global relevance and population relevance for the four risk assessment steps a meaningful consideration for the purposes of developing an international nutrient risk assessment approach? (Please indicate why or why not)**

Please see work in progress on amino acids mentioned in response to Q4a.

**Question 1b: If so, please provide specific suggestions about how best to further articulate and make good use of the differences in identifying the scientific principles for nutrient risk assessment.**

Please see work in progress on amino acids mentioned in response to Q4a.

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### **Question 2**

Hazard identification and characterization involve a number of decision points that require scientific judgment in order to derive a UL. Please provide input as to how guidelines for these judgments can be developed for the following decision points:

**Question 2a: Criteria for the evaluation of the quality and utility of relevant scientific evidence.**

Please see work in progress on amino acids mentioned in response to Q4a.

**Question 2b: Extrapolation to various age/gender groups.**

Please see work in progress on amino acids mentioned in response to Q4a.

**Question 2c: Determination and use of uncertainty factors.**

Please see work in progress on amino acids mentioned in response to Q4a.

**Question 2d: Other**

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***Question 3***

The conduct of exposure assessment and risk characterization also requires sound scientific principles that can be applied to the various decision points, including but not limited to compilation and collection of intake data and decision-making for summarizing the potential for harm.

**Question 3a: Please provide input on general scientific principles relevant to the process of determining exposure for a nutrient or related substance.**

**Question 3b: Please provide input on general scientific principles for the characterization of the severity and the degree to which intakes exceed the UL or other aspects of risk characterization.**

Please see work in progress on amino acids mentioned in response to Q4a.

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***Question 4***

The Background Paper reflects a 'thought process' and is intended to inform a longer process for the development of a technical expert workshop. Clearly the process will benefit from additional input.

**Question 4a: Please provide comments on other general factors or considerations that could be taken into account during the process of identifying principles for nutrient risk assessment.**

Please see the letter attached.

(attachment)

## *International Council on Amino Acid Science*

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10/ Dec/2004

Nutrient Risk Assessment Project  
To whom it may concern

This is to submit a comment to Joint FAO/WHO Development of a Scientific Collaboration to Create a Framework for Risk Assessment of Nutrients and Related Substances. I would like to request your attention for the following.

ICAAS (International Council on Amino Acid Science) is a non-profit non-registered organization established in November 2000 in order to contribute to the promotion of public health around the world and to people's dietary lives by exploring and solving scientific problems in relation to the appropriate intake of dietary amino acids.

The objective of ICAAS is to establish a framework for assessing and predicting the consequences of a particular level of amino acid intake(s) in humans under various conditions.

ICAAS has helped to organize yearly international workshops, 'Amino Acid Assessment Workshop' (AAAW), since 2001, with participation of experts in amino acid nutrition, metabolism, cell and molecular biology, toxicology and regulation/policy.

The proceedings of the 2<sup>nd</sup> and 3<sup>rd</sup> workshops are published in The Journal of Nutrition (No.6S-1, vol.133, Jun.2003 and No.6S, vol.134, Jun.2004). Further proceedings will be published in the same journal.

We are very interested in the Nutrient Risk Assessment Project and hope to have further communication with your project.

Sincerely Yours,

**Question 4b: Please provide other comments on the content of the Background Paper.**