

ALLERGY SCHOOL 2022

Cork, Ireland

Putting nutrition at the forefront of prevention
and treatment of allergies and asthma

[EAACI.org](https://www.eaaci.org)





📅 Friday 9 September

EAACI Allergy School Cork 2022

Fri 9 Sep
12:00 - 14:00 | Registration
Other

Fri 9 Sep
14:00 - 14:15 | Welcome address
Other

Fri 9 Sep
14:15 - 15:15 | Session I - The role of nutrition in allergy and asthma
Session

Chair : C. Venter (United States of America), J.E. Trujillo Wurttele (Ireland)

- *To understand how nutrition can impact the immune system*
- *To discuss nutritional interventions that may lead to tolerance induction*

To explain the concept that "one size fits all" does not apply to the management of allergies

14:15 **Feeding the Immune System – When did Allergy become a Nutritional Disease?**
L. O'mahony (Ireland)

14:35 **Tr-EAT-ing food allergy: eating normally, using ladders and planning immunotherapy**
J. Hourihane (Ireland)

14:55 **Impact of a personalized nutrition plan across the ages**
R. Meyer (United Kingdom), I. Skypala (United Kingdom)

Fri 9 Sep
15:15 - 15:30 | Coffee break
Other



Fri 9 Sep
15:30 - 16:30

Session II – The role of nutrition on allergy prevention

Session

Chair : B. Vlieg (Netherlands), J. Walter (Ireland)

- *To critically appraise the current knowledge about the maternal and infant diet in allergy prevention*
- *To understand the role of the microbiome on allergy prevention and how this could be modulated*
- *To address the question if nutrition can impact the epithelial barriers of the gut, skin, and respiratory tract*

15:30 Mums diet versus infant diet – what matters for prevention?

C. Venter (United States of America)

15:50 Early life microbiome & protection against allergy

M.C. Arrieta (Canada)

16:10 Influence of diet on epithelial barriers

M. Desai (Luxembourg)

Fri 9 Sep
16:30 - 17:30

Session III - Panel Discussion – Allergy diet facts, fads and fiction

Session

Panel : C. Venter (United States of America), R. Meyer (United Kingdom), I. Skypala (United Kingdom), P. Smith (Australia)

Moderator : P. Ross (Ireland)



Fri 9 Sep
17:45 - 19:00

Oral Presentations

Oral Presentations

Chair : E. Vassilopoulou (Greece), I. Eguiluz-Gracia (Spain)

- 001 **A temporal examination of adult food insecurity amongst Canadian families managing food allergy**
J. Protudjer (Canada)
- 002 **Diet diversity in pregnancy and risk of early allergic manifestation in the offspring; results from the Swedish NorthPop cohort**
S. Bodén (Sweden)
- 003 **Concepts about nutrition and its role on allergic diseases vary among physicians, nutritionists and researchers in postgraduate students in Mexico**
M. Rodríguez-González (Mexico)
- 004 **Inhibition of stearyl-CoA desaturase (SCD)-1 on blood monocytes as a proposed mechanism by which high doses of omega-3 fatty acids may be beneficial for allergic inflammation**
M. Rodríguez-González (Mexico)
- 005 **Dietary oligosaccharide 2'FL increases SCFA levels and lowers mucosal mast cell activation in ovalbumin allergic mice**
M. Zuurveld (Netherlands)
- 006 **Akkermansia muciniphila modulates food allergy sensitization in a diet-dependent manner**
M. Boudaud (Luxembourg)
- 007 **Key Themes and Communication Strategies for Closing Educational Gaps in Early Food Allergen Introduction**
W.S. Swanson (United States of America)

Fri 9 Sep
19:15 - 20:30

Welcome reception

Other



 Saturday 10 September

EAACI Allergy School Cork 2022

Sat 10 Sep
09:00 - 10:00

Session IV – The role of nutrition in allergic disease – learning from chronic inflammatory diseases

Session

Chair : L. O'mahony (Ireland), U. Neogi (Sweden)

- *To discuss the role of nutrition on the exposome and chronic inflammatory diseases*
- *To address how nutrition may impact the microbiome and chronic inflammatory diseases*
- *To describe the importance of nutrition in influencing epigenetic modifications*

09:00 **Nutrition, Exposome and chronic inflammatory diseases**
E. Sdona (Sweden)

09:20 **Nutrition, Microbiome and chronic inflammatory diseases**
J. Walter (Ireland)

09:40 **Nutrition, Epigenetics and chronic inflammatory diseases**
R. Berni Canani (Italy)

Sat 10 Sep
10:00 - 10:30

Coffee break
Other



Sat 10 Sep
10:30 - 12:30

Session V – Workshops – Practical Nutritional management and prevention strategies - interactive session (in rotation)

Session

- *To discuss: Are ultra-processed foods friend or foe?*
- *To provide a practical case-based discussion of prevention of allergic diseases in infancy*
- *To address the practical management of food allergies in children and adults in a case-based discussion*
- *To provide practical guidance on identifying and managing malnutrition in the food allergic child*

10:30 Workshop round 1

Topic 1: Ultra processed foods, healthy eating & allergic diseases | BLUE GROUP

R. Berni Canani (Italy), E. Vassilopoulou (Greece), I. Eguiluz-Gracia (Spain), B. Vlieg (Netherlands)

Topic 2: Dietary prevention of allergic diseases in infancy | RED GROUP

C. Venter (United States of America), J.E. Trujillo Wurttele (Ireland)

Topic 3: Dietary management of food allergy (adults & paedes) | YELLOW GROUP

I. Skypala (United Kingdom), J. Hourihane (Ireland), D. Griffin (Ireland)

Topic 4: Avoiding malnutrition in the food allergic child | GREEN GROUP

R. Meyer (United Kingdom), N. Lunjani (Ireland)

10:55 Rotation Break

11:00 Workshop round 2

11:25 Rotation Break

11:30 Workshop round 3

11:55 Rotation Break

12:00 Workshop round 4



Sat 10 Sep
12:30 - 14:00

Lunch & Poster discussion Session - Poster Walk 1

Posters

Chair : M. Desai (Luxembourg), I. Eguiluz-Gracia (Spain)

- P01 **Translation and Adaptation of Food Allergy Quality of Life Questionnaire - Child Form into Czech Language**
V. Spáčilová (Czech Republic)
-
- P02 **Kiss- induced anaphylaxis by amoxicillin**
I. Vázquez Barrera (Spain)
-
- P03 **Synbio-Breast study protocol**
S. Simons (Netherlands)
-
- P04 **Food for thought: Proposed food choices to support immune health in allergic disease**
O. Benjamin (Netherlands)
-
- P05 **Nutritional status and clinical impact of elimination diets in adult patients sensitized to lipid transfer proteins: A pilot study**
S. Urbani (Italy)
-
- P06 **Dietary variety and parental self-efficacy in food allergic children**
I. Adomaite (Lithuania)
-
- P07 **Identikit of FDEIA patients: a single-center experience in Northern Italy**
E. Saracco (Italy)
-



Sat 10 Sep
12:30 - 14:00

Lunch & Poster discussion Session - Poster Walk 2

Posters

Chair : A. Dunn Galvin (Ireland), M.C. Arrieta (Canada)

- P08 **Significant changes in microbiome composition relate to the clinical phenotype in peanut allergic children**
R. Czolk (Luxembourg)
-
- P09 **Effect of an immune-supportive diet on gut permeability and allergic symptoms in children with peanut and/or nut allergy: a study protocol**
M. Yang (Netherlands)
-
- P10 **Immunomodulatory effects of microbial metabolites on G protein-coupled receptors in immune cells in allergy and asthma**
B. Forde (Ireland)
-
- P11 **Immunoregulatory Effects of Tryptophan Metabolites Generated by Microbial Metabolism in Allergy and Asthma**
L. Yao (Ireland)
-
- P12 **Maternal gut microbiome composition and diet modulate early life immune responses**
E. Grant (Luxembourg)
-
- P13 **Improvement of allergic symptoms by targeted micronutrition with holoBLG in cat allergic patients - a pilot study in the allergen exposure chamber**
J. Raab (Germany)
-



Sat 10 Sep
12:30 - 14:00

Lunch & Poster discussion Session - Poster Walk 3

Posters

Chair : R. Berni Canani (Italy), N. Lunjani (Ireland)

- P14 **THE ROLE OF SKIN HEALTH IN SENSITIZATION TO Pru p 3**
J.L. Resuela-Gonzalez (Spain)
- P15 **Role of atopy patch test, skin prick test and sIgE in diagnosing food allergy in toddlers**
S. Abraityte (Lithuania)
- P16 **Sustained intradermal antigens delivery using Silk-PVA composite microneedles for effective epicutaneous immunotherapy**
E. Zhang (China)
- P17 **Prevalence of major food allergens in sunscreen products**
K. Ryczaj (Poland)
- P18 **Parent-Reported Outcomes Design and Digitization of Feeding Frequency Survey for a Novel Digital Health Trial Evaluating A Multi-food Allergen Product as a Complementary Feeding Strategy**
W.S. Swanson (United States of America)
- P19 **Safety and efficacy of vitamin D supplementation in patients with allergic rhinitis in Mexican population: randomized clinical trial versus placebo**
D. Rivero Yeverino (France)
- P20 **Protein concentration and protein content of homemade food allergen extracts used in skin prick tests in the diagnosis of an IgE-mediated food allergy**
S. Terlouw (Netherlands)

Sat 10 Sep
13:00 - 13:45

Industry Symposium

Industry Symposium



Sat 10 Sep
14:00 - 15:20

Session VI - Current challenges in nutrition

Session

Chair : P. Smith (Australia), N. Lunjani (Ireland)

- *To understand the links between allergy and obesity*
- *To define diet quality and diversity and the role it may play in allergy prevention*
- *To critically appraise the role of micronutrients in the prevention and management of food allergies*
- *To provide an overview of changes in the quality and nutritional profile of foods over the past decades and its implications on disease*

14:00 **Obesity and Allergy**
R. Meyer (United Kingdom), L. O'mahony (Ireland)

14:20 **Diet Quality, Diet diversity and allergy prevention**
C. Venter (United States of America), J.E. Trujillo Wurttele (Ireland)

14:40 **Which micronutrients are important in allergy?**
F. Roth-Walter (Austria)

15:00 **Fermented foods and health - changes over the decades**
J. Leech (Ireland)

Sat 10 Sep
15:20 - 15:40

Coffee break

Other



Sat 10 Sep
15:40 - 17:40

Session VII – Workshops – From paper to practice in the allergy Clinic – interactive session (in rotation)

Session

- *To provide an overview of techniques that may support behavior change in eating habits*
- *Up the ladder or down the chute: To discuss the important role of food ladders in the management of food allergies and tolerance induction*
- *The forgotten years: How to assist smooth transition from pediatric to adult allergy care*
- *To understand how to select the right prebiotics and probiotics for supplementation*

15:40 Workshop round 5

Topic 5: How do we support change in eating behaviour? | BLUE GROUP

A. Dunn Galvin (Ireland), E. Vassilopoulou (Greece), P. Smith (Australia)

Topic 6: Ladders & maintaining tolerance within the home | RED GROUP

C. Venter (United States of America), J. Hourihane (Ireland), R. Meyer (United Kingdom)

Topic 7: Managing the transition from pediatric to adult allergy care – nutritional watchouts | YELLOW GROUP

G. Roberts (United Kingdom), I. Skypala (United Kingdom), E. Ann Angier (United Kingdom), B. Vlieg (Netherlands)

Topic 8: All you ever wanted to know about prebiotics and probiotics | GREEN GROUP

L. O'mahony (Ireland), J. Walter (Ireland)

16:05 Rotation Break

16:10 Workshop round 6

16:35 Rotation Break

16:40 Workshop round 7

17:05 Rotation Break

17:10 Workshop round 8

Sat 10 Sep
18:00 - 22:00

Dinner
Other



 Sunday 11 September

EAACI Allergy School Cork 2022

Sun 11 Sep
09:00 - 10:20

Session IX - The Future of Nutrition in the Clinic

Session

Chair : R. Berni Canani (Italy), D. Griffin (Ireland)

- *To discuss if changes in nutrition can improve responses to infectious diseases*
- *To understand the role for dietary fatty acids in asthma control and exacerbations*
- *To critically assess current knowledge of how nutrition can impact immune responses in the skin*
- *To translate lessons from another chronic inflammatory disorder*

09:00 **Nutrition and infectious diseases...where do we go from here**

B. Vlieg (Netherlands)

09:20 **Management of asthma: Is there a role for fatty acid supplementation**

I. Eguiluz-Gracia (Spain)

09:40 **Can we feed the skin?**

N. Lunjani (Ireland)

10:00 **Feeding the Gut – lessons from IBD for the allergy clinic**

S. Ghosh (Ireland)

Sun 11 Sep
10:20 - 10:50

Coffee break

Other

Sun 11 Sep
10:50 - 11:50

Session X - Panel Discussion 2 – Allergy: Stopping a Global Epidemic

Session

Panel : J.E. Trujillo Wurttele (Ireland), I. Eguiluz-Gracia (Spain), C. Venter (United States of America)

Moderator : S. Del Giacco (Italy)



Sun 11 Sep
12:00 - 13:00

Session VIII - The Role of Nutrition in Immunomodulation

Session

Chair : R. Meyer (United Kingdom)

- *To understand how the metabolic responses of immune cells can impact sensitization and responses to allergen challenge*
- *To discuss the role of nutrition in supporting healthy aging*
- *To give an overview on how cooking and food processing may modulate the effect of food intake on the immune system*

12:00 **Immunometabolism & Allergy**

U. Neogi (Sweden)

12:20 **Nutrition and Healthy Ageing**

I. Jeffery (Ireland)

12:40 **Does the immune system care about how we cook? Food processing and AGEs**

P. Smith (Australia)

Sun 11 Sep
13:00 - 13:15

Closing remarks

Other

Closing remarks

L. O'mahony (Ireland), C. Venter (United States of America), N. Lunjani (Ireland)