Welcome to the Development of Therapies for Celiac Disease Conference hosted by the Celiac Disease Center at Columbia University at the Faculty House at Columbia University, New York City.

Celiac disease is very common, affecting about 1% of the population. Current therapy is dietary; however, there is increasing interest in non-dietary alternatives. This conference presents a unique opportunity to bring together those interested in the development of non-dietary therapies for the disease.

Shuttle service to the Faculty House at Columbia University and Ink48 Hotel will be available at the following times.

<table>
<thead>
<tr>
<th>Date</th>
<th>Pick Up Location</th>
<th>Departure Time</th>
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<tbody>
<tr>
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<td>Main entrance of Ink 48 Hotel 653 11th Avenue (at 48th Street)</td>
<td>5:15 pm &amp; 5:30 pm</td>
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For further information, please contact Cynthia Beckman at cb2280@columbia.edu • www.celiacdiseasecenter.org

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**Speakers**

- **Daniel C. Adelman, MD**
  - Alvine Pharmaceuticals, Inc., USA
  - Columbia University Medical Center, USA
- **Armin Aalaeini, PhD**
  - CMU.edu, USA
  - Columbia University Medical Center, USA
- **Robert P. Anderson, BMDSc, MBChB, PhD**
  - Columbia University Medical Center, USA
  - Hospital de Gastroenterología
  - Dr. Carlos Bonorino Udandi, Argentina
- **Carolina Arguelles Grande, MD**
  - Columbia University Medical Center, USA
  - Università Politecnica delle Marche, Italy
- **Julio C. Bai, MD**
  - Columbia University Medical Center, USA
  - King’s College London, UK
- **Govind Bhagat, MD**
  - Columbia University Medical Center, USA
  - Massachusetts General Hospital, USA
- **Carlo Catassi, MD, MPH**
  - Columbia University Medical Center, USA
  - Royal Hallamshire Hospital, UK
- **Edward J. Ciaccio, PhD**
  - Johns Hopkins University School of Medicine
  - Calypso Biotech SA, Switzerland
- **Paul Cilfiltria, MD, PhD**
  - University of California San Diego, USA
  - Mayo Clinic, USA
- **Amy R. DeFelice, MD**
  - University of California San Diego, USA
  - United States Food and Drug Administration, USA
- **Reidun B. Stenberg, MD, PhD**
  - University of California San Diego, USA
  - Beth Israel Deaconess Medical Center, USA
- **Ludvig M. Sollid, MD, PhD**
  - University of California San Diego, USA
  - University of California San Diego, USA
- **Jennifer A. Sealey Voyksner, PhD**
  - University of California San Diego, USA
  - Nationwide Children’s Hospital, USA
- **Detlef Schuppan, MD, PhD**
  - Mass General Hospital, USA
  - Mass General Hospital, USA
- **Norelle R. Reilly, MD**
  - Massachusetts General Hospital, USA
  - University of California San Diego, USA
- **Owen A. O’Connor, MD, PhD**
  - Nationwide Children’s Hospital, USA
  - Nationwide Children’s Hospital, UK
- **Robert P. Anderson, BM edSc, M BC hB, PhD**
  - Nationwide Children’s Hospital, USA
  - Nationwide Children’s Hospital, USA
- **Yotam Nisemblat, M Sc, M BA**
  - BiolineRx Ltd., Israel
  - BiolineRx Ltd., Israel
- **Joachim W. Messing, PhD**
  - University of California San Diego, USA
  - University of California San Diego, USA
- **Chris J.J. Mulder, PhD**
  - University of California San Diego, USA
  - University of California San Diego, USA
- **Suzanne K. Lewis, MD**
  - University of California San Diego, USA
  - United States Department of Agriculture, USA
- **Jonas F. Ludvigsson, MD, PhD**
  - University of California San Diego, USA
  - University of California San Diego, USA
- **Markku Maki, MD, PhD**
  - University of California San Diego, USA
  - University of California San Diego, USA
- **Maria Luisa Mearin, MD**
  - University of California San Diego, USA
  - University of California San Diego, USA
- **Janice A. Murray, MD**
  - United States Food and Drug Administration, USA
  - Mayo Clinic, USA
- **Yotam Nisemblat, M Sc, M BA**
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  - University of California San Diego, USA
  - Nationwide Children’s Hospital, USA
- **Elena Verdú, MD, PhD**
  - University of California San Diego, USA
  - Nationwide Children’s Hospital, USA
- **Alain Vicari, DVM, PhD**
  - University of California San Diego, USA
  - Nationwide Children’s Hospital, USA
- **Robert H. Yolken, MD**
  - University of California San Diego, USA
  - Nationwide Children’s Hospital, USA

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Wednesday, March 20

6:00 pm – 8:00 pm  Registration (Ground Level - 1st Floor)
6:00 pm – 8:00 pm  Opening Reception (Skyline, 4th Floor)

7:00 am – 6:00 pm  Registration (Ground Level - 1st Floor)
7:00 am – 9:00 am  Breakfast (Ground Level - 1st Floor)
7:30 am – 8:30 am  NACCSD : Executive Council Meeting (Ground Level - 1st Floor)
8:35 am  Introduction
Peter HR Green - USA
8:40 am – 9:00 am  Immune pathogenesis of celiac disease
Ludwig Sollid - Norway

The immune response to wheat proteins
Paul Ciclitira - UK (Moderator)
9:10 am – 9:25 am  Nutritional quality of seed storage proteins
Joachim Messing - USA
9:25 am – 9:40 am  Wheat gluten and celiac disease - an evolutionary collision
Donald Kasarda - USA
9:40 am – 9:55 am  Immune response to non gluten proteins
Armin Aaladini - USA
9:55 am – 10:10 am  Immune response to glutenin and other grains in celiac disease
Paul Ciclitira - UK
Detlef Schuppan - Germany
10:25 am – 10:45 am  Q&A

Celiac disease, refractory celiac disease and lymphoma
Govind Bhatia - USA (Moderator)
10:45 am – 11:00 am  Neglected intraepithelial innate cells
Govind Bhatia - USA
11:00 am – 11:15 am  Epigenic therapies for T-cell lymphomas
Owen O'Connor - USA
11:15 am – 11:30 am  The dark side of the moon : managing refractory celiac disease
Joseph Murray - USA
11:30 am – 11:45 am  Discovery and development of a new anti IL-15 antibody for type II refractory celiac disease therapy
Alain Vicari - Switzerland
11:45 am – 12:05 pm  Q&A
12:05 pm – 1:20 pm  Lunch

Epidemiological factors
Benjamin Lebwohl - USA (Moderator)
1:20 pm – 1:40 pm  Unfolding story of celiac disease risk factors
Benjamin Lebwohl - USA
1:50 pm – 2:10 pm  PrevenCId update
Maria Luisa Mearin - The Netherlands
2:20 pm – 2:40 pm  Results of a prospective study on infant nutrition and risk of celiac disease
Carlo Catassi - Italy
2:50 pm – 3:10 pm  Pregnancy and child outcomes in celiac disease
Jonas Ludvigsson - Sweden
3:20 pm – 3:35 pm  Q&A

Important issues
Markku Maki - Finland (Moderator)
3:35 pm – 3:55 pm  Screening in celiac disease in childhood, pros & cons
Ivor Hill & Edwin Liu - USA
4:05 pm – 4:25 pm  Gluten and biopsy outcome, why is it important in drug trials?
Markku Maki - Finland
4:35 pm – 5:35 pm  NACCSD : General Assembly - Annual General Meeting (1st Floor)
5:30 pm – 7:30 pm  Reception (Skyline, 4th Floor)

Friday, March 21

7:00am – 6:00 pm  Registration (1st Floor)
7:00 am – 9:00 am  Breakfast (Seminar Level, 2nd Floor)
7:30 am – 8:25 am  NACCSD : Executive Council with National Support Group Leaders (4th Floor)

What is the status of the therapies?
Joseph Murray - USA (Moderator)
8:30 am – 9:00 am  Drug development in celiac disease: FDA perspective
Jessica Lee - United States Food & Drug Administration, USA
9:10 am – 9:30 am  Measuring outcomes in celiac disease
Daniel Letteri - USA
9:30 am – 9:45 am  Glutenense therapy for celiac disease
Daniel Adelman - USA
9:45 am – 10:00 am  Larazotide : an update
Joseph Murray - USA
10:00 am – 10:10 pm  Q&A
10:10 am – 10:25 am  Is a vaccine feasible for celiac disease?
Robert Anderson - USA
10:25 am – 10:40 am  BL-7010 A therapy for celiac disease
Yotam Nisenblat - Israel
10:40 am – 10:55 am  Montelukast in celiac disease
Sonia Kupfer - USA
10:55 am – 11:10 am  Q&A
11:10 am – 11:25 am  Break

What is the status of the therapies?
Katri Kaukinen - Finland (Moderator)
11:25 am – 11:40 am  Probiotics, do they have any role of celiac disease management?
Julio Bai - Argentina
11:45 am – 12:05 pm  Elafin, what is its role in celiac disease
Elena Verdu - Canada
12:10 pm – 12:30 pm  Glutenase therapy (DSM)
Chris Mulder - The Netherlands
12:35 pm – 12:55 pm  Gluten detection in the food chain
Janelle Soszynski-Yankner - USA
2:55 pm – 1:15 pm  Q&A
1:15 pm – 2:15 pm  Lunch

Neuropsychiatric manifestations of celiac disease and gluten sensitivity
Armin Aaladini - USA (Moderator)
2:15 pm – 2:35 pm  Antibodies to food antigens and serious psychiatric disorders
Robert Yoken - USA
2:45 pm – 3:05 pm  Gluten ataxia: update on mechanism and prevalence
Marios Hadjivassiliou - UK
3:15 pm – 3:30 pm  Q&A

Non-celiac gluten sensitivity
Peter HR Green - USA (Moderator)
4:00 pm – 4:20 pm  Gluten sensitivity is common
Alessio Fasano - USA
4:30 pm – 4:50 pm  Gluten sensitivity is uncommon
Peter HR Green - USA
5:00 pm – 5:20 pm  Gluten sensitivity, is it real? FODMAPs, etc.
Knut Lundin - Norway
5:30 pm – 5:50 pm  Wrap-Up
6:00 pm – 8:00 pm  Closing Reception (Skyline, 4th Floor)
Wednesday, March 19
6:00 pm – 8:00 pm Registration (Ground Level - 1st Floor)
6:00 pm – 8:00 pm Opening Reception (Skyline, 4th Floor)

6:00 pm – 8:00 pm Opening Reception (Skyline, 4th Floor)

Thursday, March 20
7:00 am – 9:00 am Breakfast (Ground Level - 1st Floor)
7:30 am – 8:30 am NACCSD : Executive Council Meeting (Ground Level - 1st Floor) Members only

Therapies, where are we?
Daniel Leffler - USA (Moderator)
8:40 am – 9:05 am Measuring outcomes in celiac disease
Daniel Leffler - USA
9:10 am – 9:35 am Glutenase therapy for celiac disease
Daniel Adelman - USA
9:40 am – 10:05 am Larazotide, an update
Joseph Murray - USA
10:10 am – 10:35 am Q&A Panel
Daniel Adelman - USA
Joseph Murray - USA
Robert Anderson - USA
10:35 am – 10:50 am Break

Therapies, where are we?
Carolina Arguelles - USA (Moderator)
10:50 am – 11:15 am BL-7010 as a therapy for celiac disease
Yotam Nisemblat - Israel
11:20 am – 11:45 am Probiotics, do they have any role of celiac disease management?
Julio Bai - Argentina
11:50 am – 12:15 pm Gluten detection in the food chain
Jennifer Sealey-Vynksnar - USA
12:20 pm – 12:40 pm Q&A Panel
Yotam Nisemblat - Israel
Julio Bai - Argentina
Jennifer Sealey-Vynksnar - USA
12:40 pm – 1:40 pm Lunch

Non-celiac gluten sensitivity
Suzanne Lewis - USA (Moderator)
1:40 pm – 2:05 pm Gluten sensitivity is common and important
Alessio Pasano - USA
2:15 pm – 2:40 pm Gluten sensitivity is uncommon
Peter HR Green - USA

Friday, March 21
7:00 am – 6:00 pm Registration (1st Floor)
7:00 am – 9:00 am Breakfast (Seminar Level, 2nd Floor)
7:30 am – 8:25 am NACCSD : Executive Council with National Support Group Leaders (4th Floor)

Pediatric issues
Amy DeFelice - USA (Moderator)
8:30 am – 8:55 am Breastfeeding, gluten introduction, what’s the rule?
Amy DeFelice - USA
9:05 am – 9:35 am Results of a prospective study on infant nutrition and risk of celiac disease
Carlo Catassi - Italy
9:45 am – 10:10 am Growth issues in individuals with celiac disease
Norelle Rickatta Reilly - USA

Epidemiology, a personal view
Benjamin Lebowitz - USA (Moderator)
10:20 am – 10:45 am What I learned in Sweden
Benjamin Lebowitz - USA
10:55 am – 11:20 am What I learned in the United States
Jonas Ludvigsson - Sweden
11:30 am – 11:45 am Break

What is new?
Ed Ciacco - USA (Moderator)
11:45 am – 12:10 pm Cardiologic Implications of Celiac Disease
Edward Ciacco - USA
12:20 pm – 12:45 pm The role of video capsule endoscopy
Suzanne Lewis - USA

12:55 pm – 2:00 pm Lunch

The immune response to wheat proteins
Katri Kaukinen - Finland (Moderator)
2:00 pm – 2:25 pm Advances in the treatment of celiac disease: an immunopathogenic perspective
Katri Kaukinen - Finland
2:35 pm – 3:00 pm Immune response to non-wheat grains in celiac disease
Paul Ciclitira - UK
3:10 pm – 3:25 pm Break
3:25 pm – 3:50 pm Immune response to non gluten proteins
Armin Aalaeini - USA

Why celiac disease?
Benjamin Lebowitz - USA (Moderator)
4:00 pm – 4:25 pm Unfolding story of celiac disease risk factors
Benjamin Lebowitz - USA
4:35 pm – 5:00 pm Pregnancy and child outcomes in celiac disease
Jonas Ludvigsson - Sweden

Does my child have celiac disease?
Ivor Hill - USA (Moderator)
5:10 pm – 5:55 pm Screening in celiac disease in childhood, pros & cons
Ivor Hill & Edwin Liu - USA
6:00 pm – 8:00 pm Closing Reception (Skyline, 4th Floor)

Non-celiac gluten sensitivity
Suzanne Lewis - USA (Moderator)
11:45 am – 12:10 pm What's new?
Ed Ciacco - USA (Moderator)