Welcome to the ‘Celiac disease, now and the future’ international symposium hosted by the Celiac Disease Center at Columbia University.

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.

Hotel Information:
Ink48
653 11th Avenue (at 48th street)
New York, NY 10036

Hotel Reservations:
Gail Weiss from Contemporary Travel is the official travel agent for the conference. A limited number of hotel rooms have been set aside at Ink48 at a rate of $249 per night + State/Local taxes. The deadline for making your reservations is February 1, 2018. Hotel rooms must be booked through Gail Weiss (gweiss@contemporarytvl.mygbiz.com). This includes shuttle service to and from the conference daily. Any room cancellations after February 1, 2018 will incur a one night hotel penalty.

Shuttle Service:
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>
<td>Friday, March 2</td>
<td>Main entrance of Ink48 Hotel</td>
<td>7:15 am &amp; 7:45 am</td>
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<tr>
<td>Friday, March 2</td>
<td>Faculty House at Columbia University (at 48th Street)</td>
<td>8:30 pm</td>
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<tr>
<td>Saturday, March 3</td>
<td>Main entrance of Ink48 Hotel</td>
<td>7:00 am &amp; 7:15 am</td>
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<td>Saturday, March 3</td>
<td>Faculty House at Columbia University (at 48th Street)</td>
<td>6:30 pm</td>
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For further information, please contact Cynthia Beckman at cb2280@columbia.edu
www.celiacdiseasecenter.org

SPEAKERS

Armin Alaedini, PhD
Robert P. Anderson, BMedsSc, MBA, PhD
Julio C. Bai, MD
Cynthia Beckman
Govind Bhagat, MD
Carolina Ciacci, MD
Edward J. Ciaccio, PhD
Richard B. Colletti, MD
Amy R. DeFelice, MD
Luca Elli
Paul Frohna, MD, PhD
TBD
Daniel Getts, MBA, PhD
Peter Gibson, MD
Thomas A. Grace
Peter H.R. Green, MD
Claes Hallert, MD, PhD
Arnold S. Han, MD
Bana Jabri, MD, PhD
Tim Johnson, PhD
Chaitan Khosla, PhD
Frits König, PhD
Suneeta Krishnareddy, MD
Kalle Kurppa, MD
Benjamin Lebwohl, MD, MS
Anne Lee, EGD, RDH, LD
Daniel A. Lefter, MD, MS
Francisco Leon, MD, PhD
Joseph Levy, MD
Suzanne K. Lewis, MD
Jonas F. Ludvigsson, MD, PhD
Knut E.A. Lundin, MD, PhD
Govind Makharia, MD
Markku Maki, MD, PhD
Maria Teresa Minaya
Milka Monegro
Chris J.J. Mulder, MD, PhD
Joseph A. Murray, MD
Noreille Rizkalla Reilly, MD
Maria Ines Pinto Sanchez, MD
Carol Semrad, MD
Jocelyn Silvester, MD
Ludvig M. Sollid, MD, PhD
Jack A. Syage, MD
Juli A. Tomaimo, MD
Melanie Uhde, PhD
Elena Verdú, MD, PhD
Jennifer A. Sealey Vojvksner, PhD
Randi L. Wolf, MPH, PhD
Shireen Yates, MBA

Columbia University Medical Center, USA
InnateTI, Inc., USA
Hospita de Gastroenterología y Hepatología, Spain
Dr. Carlos Bonorino Udiasano, Argentina
Columbia University Medical Center, USA
Columbia University Medical Center, USA
Universidad Federico II, Italy
Columbia University Medical Center, USA
University of Vermont, USA
Columbia University Medical Center, USA
Università degli Studi di Milano, Italy
Biorz Therapeutics, Inc, USA
General Mills, USA
Covance, USA
Monash University, Australia
Bia Diagnostics, LLC, USA
Columbia University Medical Center, USA
Linköpings Universitet, Sweden
Columbia University Medical Center, USA
University of Chicago, USA
UCB Biopharma Srl, Belgium
Stanford University, USA
Leiden University Medical Center, The Netherlands
Columbia University Medical Center, USA
University of Tampere, Finland
Columbia University Medical Center, USA
Columbia University Medical Center, USA
Takeda, USA
Celimmune, LLC, USA
New York University, USA
Columbia University Medical Center, USA
Karolinska Institute, Sweden
University of Oslo, Norway
All India Institute of Medical Sciences
University of Tampere, Finland
Columbia University Medical Center, USA
Columbia University Medical Center, USA
VU University Medical Center, The Netherlands
Mayo Clinic, USA
Columbia University Medical Center, USA
McMaster University, Canada
University of Chicago, USA
Harvard University, USA
Oslo University Hospital, Norway
Immunogenx, LLC, USA
United States Food and Drug Administration, USA
Columbia University Medical Center, USA
McMaster University, Canada
Immunogenx, LLC, USA
Columbia University Medical Center, USA
Nima Labs, Inc, USA
Friday, March 2, 2018
7:30 am – 6:00 pm  Registration (Ground Level - 1st Floor)
7:30 am – 9:00 am  Continental Breakfast (Ground Level - 1st Floor)
8:35 am  Welcome & Opening Remarks
Peter HR Green, MD – USA
8:45 am – 9:10 am  Keynote Address:
Celiac disease and the microbiome - past, present and the future
Elena Verdu, MD – Canada
9:10 am – 9:20 am  Discussion & Q&A

■ Epidemiology of celiac disease and gluten sensitivity
Jonas Ludvigsson, MD – Sweden (Moderator)
9:20 am – 9:40 am  How significant are the risk factors for developing celiac disease?
Jonas Ludvigsson, MD – Sweden
9:40 am – 10:00 am  Prevalence of gluten-related disorders in the United States
Joseph Murray, MD – USA
10:00 am – 10:20 am  Worldwide prevalence of celiac disease
Govind Makhraria, MD – India
10:20 am – 10:35 am  Discussion & Q&A
10:35 am – 10:50 am  Exhibit & Poster Break

■ Quality of Life
Randi Wolf, MPH, PhD – USA (Moderator)
10:50 am – 11:10 am  Quality of life, it’s all in the diet
Anne R Lee, EdD, RD, LD – USA
11:10 am – 11:30 am  How to assess adherence to the GF diet
Jocelyn Silvester, MD – USA
11:30 am – 11:50 am  GF diet, how strict is too strict?
Randi Wolf, MPH, PhD – USA
11:50 am – 12:10 pm  Effect of gender on quality of life
Claus Hallert, MD – Sweden
12:10 pm – 12:30 pm  What happens to kids? Transition into adulthood
Noelle Reilly, MD, USA
12:30 pm – 12:45 pm  Discussion & Q&A
12:45 pm – 2:00 pm  Lunch

■ How gluten-free is GF food
Maria Ines Pinto Sanchez, MD – USA (Moderator)
2:00 pm – 2:20 pm  Which ELISA test is the best?
Thomas A. Grace – USA
2:20 pm – 2:40 pm  Skip the ELISA: liquid chromatography-mass spectrometry
Jennifer Sealey-Voyksner, PhD – USA
2:40 pm – 3:00 pm  Are commercial oats safe
General Mills
3:00 pm – 3:20 pm  Clinical evidence for the safety of oats
Kalle Kurppa, MD – Finland
3:20 pm – 3:35 pm  Discussion & Q&A

■ What can be done at home?
Randi Wolf, MPH, PhD – USA (Moderator)
3:35 pm – 3:55 pm  Development and validation of a portable gluten detection device
Shireen Yates, MBA – USA
3:55 pm – 4:15 pm  What is the role of home detection of gluten immunogenic peptides
Julio Bai, MD – Argentina
4:15 pm – 4:35 pm  Point of service antibody testing
TBD
4:35 pm – 4:55 pm  Discussion & Q&A
4:55 pm – 5:00 pm  Exhibit & Poster Break
5:10 pm – 6:30 pm  Beer and Pretzels or just afternoon tea?
Panel: Markku Maki, MD; Fritz Konig, MD; Carolina Ciacci, MD; Jennifer Sealey-Voyksner, PhD
6:15 pm  Discussion and Q&A
6:30 pm – 8:30 pm  Reception (Skyline, 4th Floor)

Saturday, March 3, 2018
7:00am – 1:00 pm  Registration (1st Floor)
7:00 am – 9:00 am  Continental Breakfast (Ground Level - 1st Floor)

■ Development of registries for celiac disease
Benjamin Lebwohl, MD – USA (Moderator)
8:00 am – 8:20 am  Experience with IBD
Anne R Lee, EdD, RD, LD – USA
8:20 am – 8:40 am  Benefit of Registries for promoting quality of care
Benjamin Lebwohl, MD – USA
8:40 am – 9:00 am  Potential of celiac disease registries for research
Daniel Leffler, MD – USA
9:00 am – 9:15 am  Discussion & Q&A

■ Immunopathology
Govind Bhagat, MD (Moderator)
9:15 am – 9:40 am  T cells and cytokines
Bana Jabri, MD, USA
9:40 am – 10:05 am  B cells
Ludvig Sollid, MD – Norway
10:05 am – 10:30 am  Innate lymphoid cells
Govind Bhagat, MD – USA
10:30 am – 10:55 am  IEL specificity in celiac disease
Arnold Han, MD – USA
10:55 am – 11:20 am  Discussion & Q&A
11:20 am – 11:35 am  Exhibit & Poster Break

Where do the therapies stand?
Joseph Murray, MD – USA (Moderator)
11:35 am – 11:55 am  An overview - what we know
Joseph Murray, MD – USA
11:55 am – 12:15 pm  A vaccine for celiac disease, really?
Robert Anderson, MD – USA
12:15 pm – 12:40 pm  TG1 as a target for therapy
Chaitan Khosla, MD – USA
12:40 pm – 1:00 pm  Do TG2 specific inhibitory antibodies have the potential to treat celiac disease?
Tim Johnson, PhD – USA
1:00 pm – 1:15 pm  Discussion and Q&A
1:15 pm – 2:15 pm  Lunch

More therapies
Noelle Reilly, MD – USA (Moderator)
2:15 pm – 2:45 pm  What does the FDA require?
Juli Tomaim, MD – USA
2:45 pm – 3:05 pm  Drugs for kids?
Noelle Reilly, MD – USA
3:05 pm – 3:25 pm  Multi-cytokine therapies
Paul Frohma, MD, PhD – USA
3:25 pm – 3:40 pm  Discussion and Q&A

Newer therapies
Chris Mulder, MD – Amsterdam (Moderator)
3:40 pm – 4:00 pm  Bridging morphometric digital and light microscopy histopathology for celiac disease trials, validation and SOPs
Markku Maki, MD – Finland
4:00 pm – 4:20 pm  Nanoparticle therapy
Daniel Getts, PhD – USA
4:20 pm – 4:40 pm  Anti-IL15, Where to now?
Francisco Leon, MD – USA
4:40 pm – 5:00 pm  Latiqulimase really works!
Jack A. Syage, PhD – USA
5:00 pm – 5:10 pm  Discussion and Q&A
5:10 pm – 5:25 pm  Exhibit & Poster Break

Non-celiac gluten sensitivity
Peter Gibson, MD – USA (Moderator)
5:25 pm – 5:45 pm  It’s all in the FODMAPS
Knut Lundin, MD – Norway
5:45 pm – 6:05 pm  A biomarker at last
Armin Alaedini, PhD – USA
6:05 pm – 6:25 pm  Home testing for gluten sensitivity
Lucaelli, MD, PhD – Italy
6:25 pm – 6:30 pm  Discussion and Q&A and wrap up
Benjamin Lebwohl, MD – USA
6:30 pm  Adjourned
Friday, March 2, 2018

7:30 am – 6:00 pm Registration (Ground Level - 1st Floor)
7:30 am – 9:00 am Continental Breakfast (Ground Level - 1st Floor)
8:35 am Welcoming & Opening Remarks
Benjamin Lebwohl, MD – USA
8:45 am – 9:15 am Keynote Address: Common myths and misperceptions about celiac disease?
Benjamin Lebwohl, MD – USA

World of Celiac Disease
Joseph Levy, MD – USA (Moderator)
9:15 am – 9:35 am How is celiac disease managed in Argentina?
Julio Bai, MD – Argentina
9:35 am – 9:55 am How is celiac disease managed in Canada?
Maria Ines Pinto Sanchez, MD – Canada
9:55 am – 10:15 am How is celiac disease managed in Italy?
Carolina Ciacci, MD – Italy
10:15 am – 10:35 am How is celiac disease managed in Australia?
Peter Gibson, MD – Australia
10:35 am – 10:50 am Exhibit & Poster Break

Epidemiology of Celiac Disease
Jonas Ludvigsson, MD – Sweden (Moderator)
10:50 am – 11:25 am Clinical manifestations of celiac disease
Peter HR Green, MD – USA
11:25 am – 12:00 pm How significant are the risk factors for developing celiac disease and do patients with celiac disease have an increased mortality rate?
Jonas Ludvigsson, MD – Sweden
12:00 pm – 12:35 pm Diagnosis of celiac disease in adults
Carol Semrad, MD – USA
12:35 pm – 12:45 pm Discussion and Q&A
12:45 pm – 2:00 pm Lunch

Gluten-Free Diet & Beyond
Anne Lee, EdD, RDN, LD – USA (Moderator)
2:00 pm – 2:30 pm What not to eat, and most importantly what to eat
Anne Lee, EdD, RDN, LD – USA
2:30 pm – 3:00 pm What is the status of research in the dietary management of celiac disease?
Randi Wolf, MPH, PhD – USA
Anne Lee, EdD, RDN, LD – USA

3:00 pm – 3:15 pm Discussion and Q&A

Celiac Disease in the Pediatric Population
Norelle Reilly, MD – USA (Moderator)
3:15 pm – 3:45 pm Diagnosis of celiac disease in children
Amy Defelice, MD – USA
3:45 pm – 4:15 pm After the diagnosis for children
Norelle Reilly, MD – USA
4:15 pm – 4:45 pm 504 Accommodation
Anne Lee, EdD, RDN, LD – USA
4:45 pm – 5:15 pm Discussion and Q&A
5:15 pm – 5:30 pm Exhibit & Poster Break

Saturday, March 3, 2018

7:00 am – 9:00 am Continental Breakfast (Ground Level - 1st Floor)

Management of Celiac Disease
Amy DeFelice, MD – USA (Moderator)
8:00 am – 8:20 am Oral manifestations of celiac disease
Carolina Ciacci, MD – Italy
8:20 am – 8:40 am Video capsule endoscopy
Current use: Suzanne Lewis, MD – USA
The future: Edward Ciaccio, PhD – USA

8:40 am – 9:00 am Dietary Supplements
Suneeta Krishnareddy, MD – USA
9:00 am – 9:20 am What vaccinations should I worry about?
Peter HR Green, MD – USA
9:20 am – 9:40 am What about bones in celiac disease – osteoporosis?
Julio Bai, MD – Argentina

9:40 am – 9:55 am Discussion and Q&A

The Role of the Microbiome
Suneeta Krishnareddy, MD – USA (Moderator)
9:55 am – 10:30 am Basic immunology of celiac disease
Melanie Uhde, PhD – USA
10:30 am – 11:05 am Celiac disease and the microbiome – past, present and the future
Suneeta Krishnareddy, MD – USA
11:05 am – 11:20 am Discussion and Q&A

11:20 am – 11:35 am Exhibit & Poster Break

Gluten sensitivity
Armin Alaedini, MD – USA (Moderator)
11:35 am – 12:05 pm It’s the wheat
Armin Alaedini, PhD – USA
12:05 pm – 12:35 pm It’s FODMAPs
Knut Lundin, MD – Norway
12:35 pm – 12:50 pm Discussion and Q&A
12:50 pm – 2:15 pm Lunch

How important is quality of life in celiac disease?
Randi Wolf, MPH, PhD – USA (Moderator)
2:15 pm – 2:55 pm Quality of life, it’s all in the diet
Anne R Lee, PhD – USA
2:55 pm – 3:35 pm Gluten-free diet, How strict is too strict?
Randi Wolf, MPH, PhD – USA
3:35 pm – 4:15 pm Effect of gender on quality of life
Claes Hallert, MD – Sweden
4:15 pm – 4:50 pm What happens to kids? Transition into adulthood
Norelle Reilly, MD – USA
4:50 pm – 5:10 pm Discussion and Q&A
5:10 pm – 5:25 pm Exhibit & Poster Break

The Future of Celiac Disease
Suzanne Lewis, MD – USA (Moderator)
5:25 pm – 5:40 pm Why and how to participate in clinical studies?
Maria Teresa Minya – USA
5:40 pm – 5:55 pm Why should I give to the Celiac Disease Center
Cynthia Beckman – USA
5:55 pm – 6:10 pm The direction of clinical research in celiac disease
Benjamin Lebwohl, MD – USA
6:10 pm – 6:25 pm Status of drug development for celiac disease
Joseph Murray, MD
6:25 pm – 6:30 pm Discussion and Q&A and wrap up
Suzanne Lewis, MD – USA

Registration
(1st Floor)

Continental Breakfast
(1st Floor)

Exhibit & Poster Break

Reception (Skyline, 4th Floor)

Lunch

Beer and Pretzels or just afternoon tea?
Panel: Markku Maki, MD; Fritz Konig, MD; Carolina Ciacci, MD; Jennifer Sealey-Voyksner, PhD
6:30 pm – 8:30 pm Reception

Panel: Markku Maki, M.D; Fritz Konig, M.D; Carolina Ciacci, M.D; Joseph Levy, M.D
11:35 am – 12:05 pm Discussion and Q&A

Panel: Markku Maki, M.D; Fritz Konig, M.D; Carolina Ciacci, M.D; Joseph Levy, M.D
12:05 pm – 12:35 pm Discussion and Q&A