



COLUMBIA

VAGELOS COLLEGE OF
PHYSICIANS AND SURGEONS



the Naomi Berrie **DIABETES CENTER**
Columbia University Medical Center
the care until the cure

22nd Annual Conference

Frontiers in Diabetes Research
Obesity, Diabetes and COVID-19:
Elucidating Bidirectional Links

Saturday, November 21, 2020 via Zoom

10:00 AM - 3:00 PM EST



Course Directors

Domenico Accili, M.D., *Russell Berrie Foundation Professor of Medicine (in Diabetes); Director, Diabetes and Endocrinology Research Center; Head of Endocrine Division; Columbia University Vagelos College of Physicians and Surgeons, New York, New York*

Robin S. Goland, M.D., *J. Merrill Eastman Professor of Diabetes (in Medicine, Pediatrics, and the Naomi Berrie Diabetes Center) at CUMC; Co-Director, Naomi Berrie Diabetes Center, Columbia University Vagelos College of Physicians and Surgeons, New York, New York*

Rudolph L. Leibel, M.D., *Christopher J. Murphy Memorial Professor of Diabetes Research; Professor of Pediatrics and Medicine; Head, Division of Molecular Genetics; Co-Director, Naomi Berrie Diabetes Center, Columbia University Vagelos College of Physicians and Surgeons, New York, New York*

Utpal B. Pajvani, M.D., Ph.D., *Herbert Irving Associate Professor of Medicine, Division of Endocrinology, Columbia University Vagelos College of Physicians and Surgeons, New York, New York*

Faculty

Magdalena Bogun, M.D., *Assistant Professor of Medicine, Columbia University Vagelos College of Physicians and Surgeons, New York, New York*

Shuibing Chen, Ph.D., *Associate Professor in the Department of Surgery and Department of Biochemistry, Weill Cornell Medical College, New York, New York*

Wendy Chung, M.D., Ph.D., *Kennedy Professor of Pediatrics (in Medicine), Columbia University Vagelos College of Physicians and Surgeons, New York, New York*

Steven Kahn, M.D., *Leonard L. Wright and Marjorie C. Wright Chair; Professor, Division of Metabolism, Endocrinology and Nutrition; Director, Diabetes Research Center, University of Washington, Seattle, Washington*

Max O'Donnell, M.D., M.P.H., *Florence Irving Associate Professor of Medicine and Epidemiology Columbia University Vagelos College of Physicians and Surgeons, New York, New York*

Jordan Orange, M.D., Ph.D., *Reuben S. Carpentier Professor of Pediatrics; Chair of Pediatrics, Columbia University Vagelos College of Physicians and Surgeons; Pediatrician-in-Chief, New York Presbyterian/Morgan Stanley Children's Hospital, New York, New York*

Kathryn Stephenson, M.D., M.P.H., *Assistant Professor of Medicine; Director, Clinical Trials Unit, Center for Virology and Vaccine Research, BIDMC, Harvard Medical School, Boston, Massachusetts*



Saturday, November 21, 2020

ALL TIMES INDICATED ARE IN EASTERN STANDARD TIME

- 10:00 a.m. Welcome and Introduction
Robin S. Goland, M.D. & Rudolph L. Leibel, M.D.
- Obesity and Diabetes in the Context of Infection with SARS-CoV-2: Susceptibility and Clinical Management**
Moderator: Rudolph L. Leibel, M.D.
- 10:05 a.m. Evolving Standards of Clinical Care for Severe SARS-CoV-2
Max O'Donnell, M.D., M.P.H.
- 10:35 a.m. Clinical Presentations of SARS-CoV-2 in the Pediatric Population
Jordan Orange, M.D., Ph.D.
- 11:05 a.m. Prevalence and Management of Diabetic Ketoacidosis in the SARS-CoV-2 Pandemic
Magdalena Bogun, M.D.
- 11:35 a.m. Panel Discussion
- 11:50 a.m. *Break*
- 11:55 a.m. Why is Diabetes Associated with Excess SARS-CoV-2 Risk?
Steven Kahn, M.D.
- 12:25 p.m. Mechanistic Underpinnings of SARS-CoV2-induced Hyperglycemia
Shuibing Chen, Ph.D.
- 12:55 p.m. Panel Discussion
- 1:05 p.m. Berrie Frontiers Award for Outstanding Achievement in Diabetes Research
Rudolph L. Leibel, M.D.
- 1:15 p.m. *Break*
- Genetic Predispositions and Potential Vaccine/Treatments for SARS-CoV-2**
Moderator: Utpal B. Pajvani, M.D., Ph.D.
- 1:45 p.m. Is There Genetic Susceptibility to SARS-CoV-2 Infection and Consequence?
Wendy Chung, M.D., Ph.D.
- 2:15 p.m. Rational Design of Vaccines and Antiviral Agents
Kathryn Stephenson, M.D., M.P.H.
- 2:45 p.m. Panel Discussion
- 2:55 p.m. Concluding Remarks
Utpal B. Pajvani, M.D., Ph.D.
- 3:00 p.m. *Adjourn*

Program Description & Objectives

This virtual half-day program is designed for research scientists, clinicians, and students with an interest in diabetes and obesity.

Specifically, this conference will focus on recent clinical and basic insights regarding SARS-CoV2 infection. Particular emphasis will be placed on the potential metabolic/genetic and demographic links to susceptibility and clinical outcomes in patients with obesity and pre-existing diabetes. Additional areas of focus will include novel treatment paradigms for diabetes in the COVID-19 era, and a look forward towards novel antiviral therapies.

At the conclusion of this activity, participants will be better able to:

- Review epidemiology, pathogenesis, and current/future treatment paradigms for COVID-19.
- Discuss obesity and diabetes as risk factors for SARS-CoV2-related patient outcomes.
- Discuss management of diabetes and dysmetabolism in patients with COVID-19.

The Naomi Berrie Diabetes Center

The Naomi Berrie Diabetes Center, combining premier family-centered patient care and education for children and adults with world-class research, opened in October 1998. The Center offers coordinated, multidisciplinary clinical care for adults and children with diabetes. Educational, nutritional and psychosocial counseling help the patient and family to cope effectively with diabetes. Basic and clinical research programs at the Berrie Center focus on the biologic bases for diabetes and obesity. The Naomi Berrie Diabetes Center's commitment to patient care, research and education reflects its mission to improve the lives of people with diabetes and its dedication to finding a cure. For additional information, call the Center at (212) 851-5492 or visit our web site:

www.nbdiabetes.org

Additional Information

Contact:

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Accreditation Statement

The Columbia University Vagelos College of Physicians and Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement

The Columbia University Vagelos College of Physicians and Surgeons designates this live activity for a maximum of 4.0 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Tuition

Tuition: Free. Confirmation of registration will be sent upon receipt of the registration form.

Online Registration

https://columbiacuimc.zoom.us/webinar/register/WN_Gw-r-jf7S0WuCiAIhThBIA

Americans with Disabilities Act

The Columbia University Vagelos College of Physicians and Surgeons fully complies with the legal requirements of the ADA and the rules and regulations thereof. Any participant with special needs must submit a written request to our office at least one month prior to the course date.



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presented by the
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