

Emrah Altindis, MSc, Ph.D.

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Completed Support

2022-23 JDRF Innovative Award (1-INO-2022-1108-A-N),

\$110,000

CR*, **Altindis E***. Gut Microbiota Regulate Pancreatic Growth, Exocrine Function and Gut Hormones. **Diabetes**, **2022** Feb 25;db210382. doi: 10.2337/db21-0382.

5. Garcia-Martin R, Brasil Brandao B, **Altindis E*** and Kahn CR*. Tissue Differences in the Exosomal/Small Extracellular Vesicle Proteome and Their Potential as Indicators

staphylococcal dissemination and generates protective immunity in mice. **J Infect Dis**, 2012 Oct 1;206 (7):1041-9, 2012.

15. Doro F, Liberatori S, Rodríguez-Ortega MJ, Rinaudo CD, Rosini R, Mora M, Scarselli M, **Altindis E** et al. Surfome analysis as a fast track to vaccine discovery: identification of a novel protective antigen for Group B Streptococcus hypervi.131697.DnBT/F4 12 Tf1 0 0 1 72.024 a 792 reW

Reviews, Chapters and Monographs

1. **Altindis E.** Inequitable COVID-19 vaccine distribution and the intellectual property rights prolong the pandemic. *Expert Rev Vaccines*, 2021 Dec 8. doi: 10.1080/14760584.2022.2014819.
 2. Girdhar K[#], Powis M, Raisingani A, Chrudinová M[#], Huang R, Tran T, Sevgi K, Dogru YD, **Altindis E***. Viruses and Metabolism: The Effects of Viral Infections and Viral Insulins on Host Metabolism. *Annu Rev Virol*. 2021 Sep 29;8(1):373-391.
 3. Dedrick S, Sundaresh B, Huang Q[#], Brady C, Yoo T, Cronin C, Rudnicki C, Flood M, Momeni B, Ludvigsson J, **Altindis361.0eoc.78 47.88 0**
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18. Insulin Goes Viral: Characterization of Microbial Insulin Mimics in Human Disease. **University of Minnesota**, Division of Rheumatic and Autoimmune Diseases. 07/24/**2019**. Host: Prof. Brian Fife
19. Viral Endocrinology: Discovery of Viral Insulins. American Society of Virology Annual Meeting. July 19-24, **2019**, Minneapolis, MN
20. Gut Microbiota Regulate Pancreatic Growth, Exocrine Function, and Gut Hormones. 79th American Diabetes Association Meeting. June 7-11, **2019**, San Francisco, CA
21. Expanding Dimensions in Diabetes Research: Discovery of Microbial Insulin mimics. Stanford University Diabetes Research Center, **Stanford University**. June 7, **2019**. Host: Prof. Katrin J. Svensson, Ph.D.
22. Microbial Insulin Mimics in Type 1 Diabetes Autoimmunity. Gordon Research Conference: IGF and Insulin System in Physiology and Disease, March 10 - 15, **2019**, Ventura, CA.
23. Expanding Dimensions in Host-Microbe Interactions: Microbial Insulin and the Control of Infectious Diseases, University of Texas at Austin. Center for Infectious Disease. March 8, **2019**, Austin, USA. Host: Prof. Bryan W. Davis
24. Discovery of Viral Hormones and Characterization of Viral Insulins. Channing Division of Network Medicine Seminar Series, **2014**

24.73(P*nBT)

Contributed talks since 2018 (Altindis Lab Members)

Martina Chrudinova, PhD (Postdoc in Altindis Lab)

1. American Diabetes Association 81st Scientific Sessions (ADA) (online), June 25 – June 29 2021 (Oral presentation)
Mandarin Fish Ranavirus Viral Insulin/IGF-like peptide Inhibits Human IGF-1 Receptor (talk)
2. Characterization of Viral Insulin-like Peptides Reveals Unique White Adipose Tissue Specific Characteristics
ENDO 2021 (online), March 20 -23 2021.
3. DZD Diabetes Research School 2020 (online), Sept 29 – Oct 12 2020

Qian Huang, PhD (Postdoc in Altindis Lab)

4. A gut commensal, Parabacteroides distasonis, triggers Type 1 Diabetes autoimmunity. Boston Bacterial Meeting 2020. **July 17, 2020**

Khyati Girdhar, PhD (Postdoc in Altindis Lab)

5. The 2022 MIT Microbiome Symposium. April **29, 2022**
6. American Diabetes Association 83rd Scientific Sessions (ADA) (San Diego), June 2` – June 26 2021 (Oral presentation).
A Human Gut Commensal, Parabacteroides distasonis, Stimulates an Inflammatory Response Specific to the Pancreas but Not to the Intestines, and Induces Type 1 Diabetes

Aurelien Chuard, PhD (Postdoc in Altindis Lab)

- 7.

13. MetaVaccinology: A new bacterial vaccine discovery tool. **2011**, 5th Vaccine and ISV Annual Global Congress, Seattle, USA.
14. Proteomics and Vaccinology: a case study for Group B Streptococcus. **2009**, 2nd International Workshop on Expression, Structure and Function of Membrane Proteins, Florence, Italy.

Contributed posters since 2018 (Lab Members)

Martina Chrudinova, PhD (Postdoc in Altindis Lab)

Martina Chrudinova, PhD (Postdoc in Altindis Lab, EA corresponding author).

1. Characterization of viral insulin like peptides reveals unique white adipose tissue specific characteristics compared to human insulin.(ri)5-261(rev)r9
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6. Victoria Hogan, Johnson Lab (May 5, 2021)
7. Natalie Sandlin, Momeni Lab (May 1, 2020)
8. Suyen Espinoza Miranda, Van Opijnen Lab (May 15, 2019)

Undergraduate Research Students (Gateway, McNair, Montserrat and/or first generation students)

Class of 2020: Claudia Brady

Class of 2021: David Kim, Scott Hsu, Tu Tran, Amaya Powis, Robert Reiners, Yasmine Nousari

Class of 2022: Ruixu Huang, Maximilian Figura, Kaan Sevgi, Amol Raisingani, Nathan Ji, Riley Aquilano

Class of 2023: Khadija Danazumi, Kaitlin Reiners, Typhania Zanou, Matthew Mojares,

5. Joslin Diabetes Center, Best Questions at Joslin Seminars, January 2018, Boston, MA
6. Travel Award. Joslin Fellows Council, , 2017, Boston, MA.
7. Registration/ Accommodation Award German Diabetes School and Insulin Receptor Conference 2017, 2017, Nice, France.
8. Travel Award. International Congress of Immunogenomics and Immunomics Conference, 2006. Budapest, Hungary.

FACULTY DEVELOPMENT ACTIVITIES2D MA.

2019- "A Symposium on Careers and Collaboration in Science", Boston Postdoctoral Association Speaker at the "New hires" panel.

2019- Mentoring and training four Gateway students in my laboratory

2019- Mentoring and training two Montserrat students in my laboratory

2021- Mentoring and training two McNair scholars in my laboratory

PROFESSIONAL MEMBERSHIP

2018- American Diabetes Association

2019-21 American Society of Virology

2019-20 American Endocrine Society

2018-19 European Association for the Study of Diabetes

MEDIA CONTRIBUTIONS (selected)

1. The Coronavirus Meets Authoritarianism in Turkey, **New Yorker**, April 3, 2020 (full page interview)
2. Turkey Struggles During Pandemic To Protect Public Health, Economy. **NPR**. January 26, 2021 (interview)
3. Turkeys Coronavirus Lockdown. **BCC News**. April 6, 2020 (interview)
4. Erdogan under pressure as Turkey's coronavirus toll mounts. **Financial Times**. March 31, 2020 (interview)

BOOK

1. Ozyurek E, **Altindis E**, Ozpinar G. Authoritarianism and Resistance in Turkey: Conversations on Democratic and Social Challenges 1st ed. 2019. **Springer**.