Curriculum Vitæ

Yaakov Socol, Ph.D

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Year of Birth	1996

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Education

2017- 2023	Ph.D in Microbiology Thesis title: "The effects of enteropathogenic *E. coli* on host cells using T3SS effectors". M.D.-Ph.D. program Supervisor: Prof. Ilan Rosenshine, Department of Microbiology and molucular genetics, Institute of Medical Research Israel-Canada, Faculty of Medicine, The Hebrew University of Jerusalem, Israel
2014-	M.D. student The military track of medicine (Tzameret) The Hebrew University of Jerusalem, Israel
2011- 2014	Courses towards B.Sc in life sciences (65 points out of 108 required) The Open University of Israel

Research experience

2020	Member of the KEREM Corona project, lead by Dr. Alex Rouvinski
2020	Visiting student in the laboratory of prof. Matthew Waldor, Hravard medical school

Awards

2023	Dani Engelhard prize for significant achievement in pediatric and infectious diseases, The hebrew university faculty of medicine
2019	Short-term EMBO (Europian molecular biology organization) fellowship, collaboration with Harvard medical school
2012	Dean's list, The Open University of Israel

Publications

- Elbaz N, Socol Y, Katsowich N, Rosenshine I.
  Control of Type III Secretion System Effector/Chaperone Ratio Fosters Pathogen Adaptation to Host-Adherent Lifestyle.
  mBio. 2019 Oct 29;10(5):e02074-19.

- Pal RR, Baidya AK, Mamou G, Bhattacharya S, Socol Y, Kobi S, Katsowich N, Ben-Yehuda S, Rosenshine I.
  Pathogenic E. coli extracts nutrients from infected host cells utilizing injectisome components.
  Cell. 2019 Apr 18;177(3):683-96.

- Pearl Mizrahi S, Elbaz N, Argaman L, Altuvia Y, Katsowich N, Socol Y, Bar A, Rosenshine I, Margalit H.
  The impact of Hfq-mediated sRNA-mRNA interactome on the virulence of enteropathogenic Escherichia coli.
  Science advances. 2021 Oct;7(44):eabi8228.

- Stolovich-Rain M, Kumari S, Friedman A, Kirillov S, Socol Y, Billan M, Pal RR, Das K, Golding P, Oiknine-Djian E, Sirhan S, Sagie MB, Cohen-Kfir E, Gold N, Fahoum J, Kumar M, Elgrably-Weiss M, Zhou B, Ravins M, Gatt YE, Bhattacharya S, Zelig O, Wiener R, Wolf DG, Elinav H, Strahilevitz J, Padawer D, Baraz L, Rouvinski A.
  Intramuscular mRNA BNT162b2 vaccine against SARS-CoV-2 induces neutralizing salivary IgA.
  Front Immunol. 2023 Jan 30;13:933347.