Welcome to the

2022 IEDB Virtual User Workshop – Day 2

Thursday, October 27, 2022

Annual IEDB User Workshop – Why?

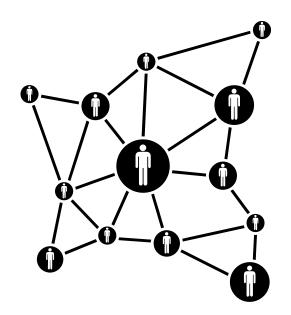
3 Day Event



IEDB and tools overview with research examples and specialized topics



Improve our resources through user feedback



Engage with global user community



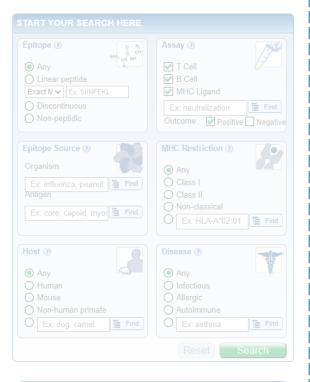
Answer user questions to facilitate learning



Share ideas to further scientific research

User Workshop Structure

Day 1



Process Overview and Database

Day 2

Analysis Resource – Processing & Prediction Tools

Day 3







Specialized Topics – 3D Structures, Cancer, HIV

Who You'll Hear From





Dr. Raphael Trevizani *Bioinformatics Postdoctoral Researcher*



Dr. Bjoern Peters *Co-Principal Investigator*



Daniel MarramaAssociate Bioinformatics
Specialist

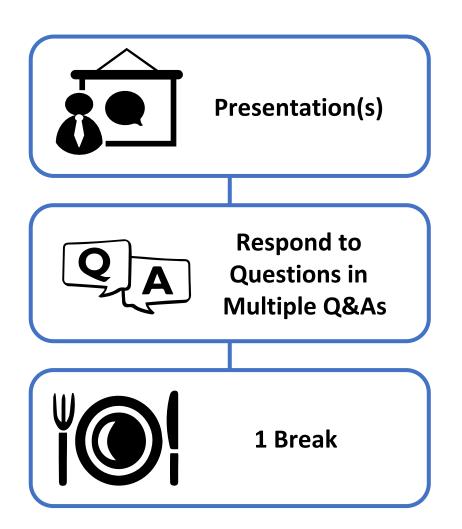


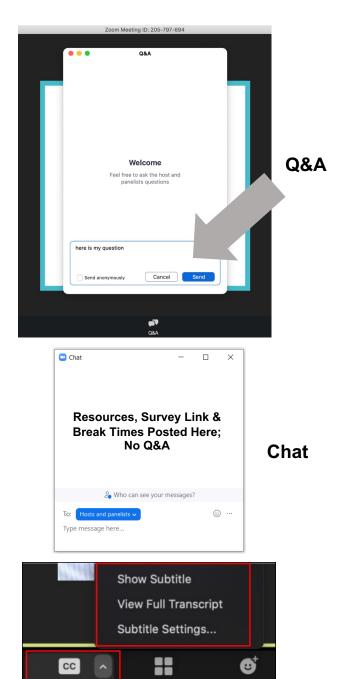
Dr. Mahita Jarjapu *Bioinformatics Postdoctoral Researcher*



Dr. Jason Greenbaum *Bioinformatics Core Director*

User Workshop Structure





Breakout Rooms

Subtitles

Live Transcript

Agenda – Day 2

Start Time	End Time	Topic	Speaker
08:00	08:15	Welcome & Analysis Resource Overview	Nina Blazeska IEDB Project Manager
08:15	08:45	MHC Binding Predictions	Raphael Trevizani Bioinformatics Postdoctoral Researcher
08:45	09:05	T Cell Processing & Immunogenicity Predictions	Bjoern Peters IEDB Co-Principal Investigator
09:05	09:20	Section 1: Q&A with Drs. Trevizani and Peters	
09:20	09:40	PEPMatch	Daniel Marrama Associate Bioinformatics Specialist
09:40	10:00	TCRMatch	Raphael Trevizani Bioinformatics Postdoctoral Researcher
10:00	10:10	Section 2: Q&A with Drs. Peters (in lieu of Daniel Marrama) and Trevizani	
10:10	10:35	Break	

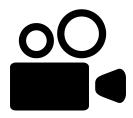
Agenda – Day 2

Start Time	End Time	Topic	Speaker
10:35	11:05	B Cell Epitope Prediction	Mahita Jarjapu Bioinformatics Postdoctoral Researcher
11:05	11:35	IEDB Tools 3.0: Future of Tools	Jason Greenbaum Bioinformatics Core Director
11:35	11:50	Section 3: Q&A with Drs. Jarjapu and Greenbaum	
11:50	12:00	Closing Remarks & Feedback Survey	Nina Blazeska IEDB Project Manager
	12:00	End of Session	

Other Event Logistics



You will receive a post-event email next week



Workshop recording will be shared with you



All presentations will be shared with you



Participation certificates will be provided upon request



Daily and post-event feedback survey



Be aware of IEDB slowness due to increased traffic

#iedbuw2022

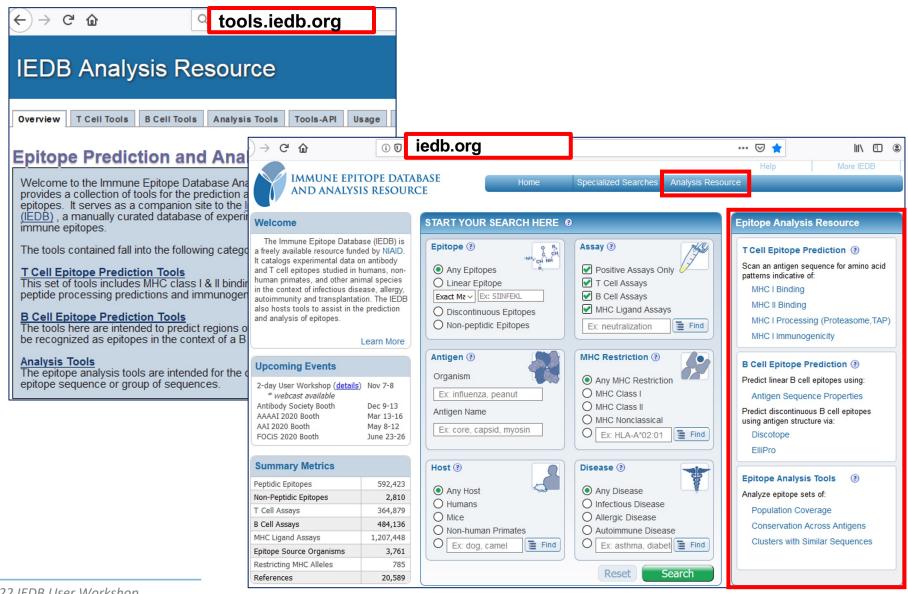
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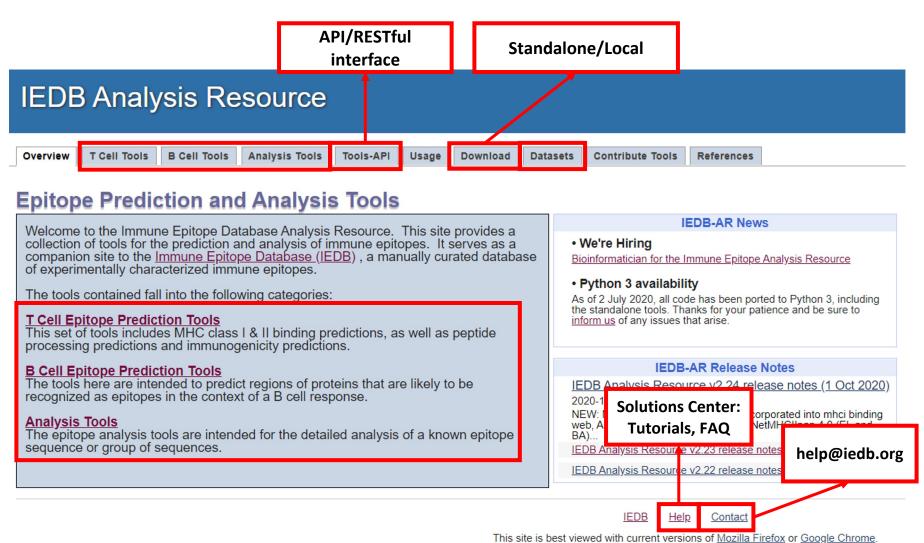
Brief Analysis Resource Overview

tools.iedb.org

Accessing the Analysis Resource



Available Resources



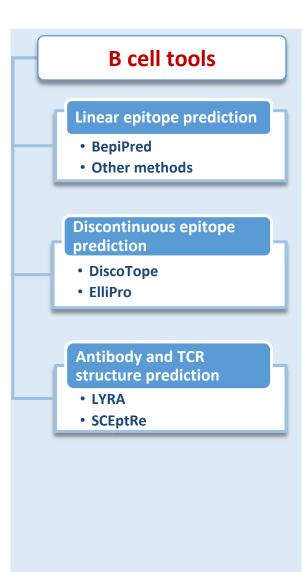
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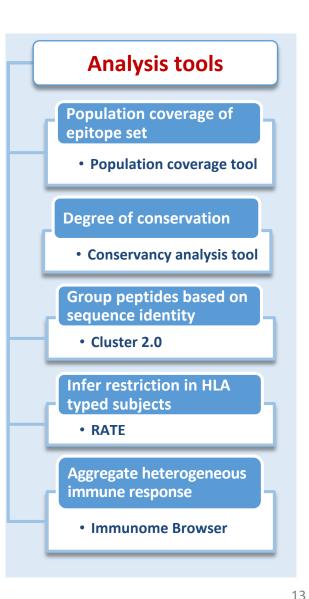
Supported by a contract from the National Institute of Allergy and Infectious Diseases, a component of the National Institutes of Health in the Department of Health and Human Services.

IEDB Analysis Resource

tools.iedb.org

T cell tools **MHC** binding prediction MHC I binding prediction MHC II binding prediction TepiTool **MHC** ligand prediction NetChop/NetCTL/NetCTLpan • MHC-NP, MHCII-NP • AXEL-F Immunogenicity prediction CD4 & CD8 T cell immunogenicity prediction tools Other Deimmunization tool TCRMatch





Without further ado...



Dr. Raphael Trevizani *Bioinformatics Postdoctoral Researcher*

MHC Binding Predictions