

# 2021 Immune Epitope Database Virtual User Workshop

3 - 4 November 2021 | Via Zoom

**DAY 1: Wednesday, November 3**

*All times are stated as U.S. Pacific Time*

| Session | Start Time | End Time | Topic  | Speaker   |
|---------|------------|----------|--|---|
| 1.0     | 14:00      | 14:15    | Welcome  | Nina Blazeska<br><i>IEDB Project Manager</i>  |
| 1.1     | 14:15      | 14:45    | Database Overview  | Alessandro Sette<br><i>IEDB Principal Investigator</i>  |
| 1.2     | 14:45      | 15:15    | Accessing the Data: Query, Reporting and Examples  | Randi Vita<br><i>Lead Ontology and Quality Manager</i>  |
| --      | 15:15      | 15:30    | <u>Section 1:</u> Q&A with Drs. Sette and Vita   |   |
| --      | 15:30      | 15:45    | <b>Break</b>   |   |
| 1.3     | 15:45      | 16:05    | SARS-CoV-2 and the ImmunomeBrowser   | Alba Grifoni<br><i>LJI Research Faculty/Instructor</i>  |
| 1.4     | 16:05      | 16:25    | New Database Features - Query API & Custom Exports   | Jason Greenbaum<br><i>Bioinformatics Core Director</i><br>Kelly Wheeler<br><i>Leidos Senior Software Engineer</i> |
|         | 16:25      | 16:35    | <u>Section 2:</u> Q&A with Drs. Grifoni, Greenbaum & Wheeler                                   |   |
| 1.5     | 16:35      | 17:05    | NIH Resources for Researchers: The LANL HIV Sequence Database                                  | Brian Foley<br><i>Los Alamos National Laboratory</i>  |
| --      | 17:05      | 17:15    | <u>Section 3:</u> Q&A with Dr. William Fischer   |   |
| --      | 17:15      | 17:45    | <b>Break</b>   |   |
| 1.6     | 17:45      | 18:00    | The Cancer Epitope Database and Analysis Resource (CEDAR)                                      | Zeynep Koşaloğlu-Yalçın<br><i>Instructor Cancer Bioinformatics</i>  |
| 1.7     | 18:00      | 18:30    | Analysis Resource Overview   | Bjoern Peters<br><i>IEDB Co-Principal Investigator</i>  |
| 1.8     | 18:30      | 19:00    | Analysis Tools   | Alessandro Sette<br><i>IEDB Principal Investigator</i>  |
| --      | 19:00      | 19:15    | <u>Section 4:</u> Q&A with Drs. Koşaloğlu-Yalçın, Peters and Sette                             |   |
| 1.9     | 19:15      | 19:30    | Closing Remarks & Feedback Survey  | Nina Blazeska<br><i>IEDB Project Manager</i>  |
| --      | 19:30      | 20:00    | <b>Optional Q&amp;A Session</b><br>This will be to answer any remaining questions from the day |   |
| --      |            | 20:00    | <b>End of Session</b>  |   |

# 2021 Immune Epitope Database Virtual User Workshop

3 - 4 November 2021 | Via Zoom

**DAY 2: Thursday, November 4**

All times are stated as U.S. Pacific Time

| Session | Start Time | End Time | Topic  | Speaker  |
|---------|------------|----------|--|--|
| 2.0     | 14:00      | 14:05    | Welcome  | Nina Blazeska<br><i>IEDB Project Manager</i>   |
| 2.1     | 14:05      | 15:00    | MHC Binding Predictions  | Raphael Trevizani<br><i>Bioinformatics Postdoctoral Researcher</i><br>Bjoern Peters<br><i>IEDB Co-Principal Investigator</i> |
| 2.2     | 15:00      | 15:20    | T Cell Processing & Immunogenicity Predictions   | Austin Crinklaw<br><i>Bioinformatics Research Technician</i><br>Bjoern Peters<br><i>IEDB Co-Principal Investigator</i>       |
| --      | 15:20      | 15:35    | <u>Section 1:</u> Q&A with Drs. Trevizani, Peters and Crinklaw                                 |  |
| --      | 15:35      | 15:45    | <b>Break</b>   |  |
| 2.3     | 15:45      | 16:00    | T Cell Tool Spotlight: TCRMatch  | Will Chronister<br><i>Bioinformatics Postdoctoral Researcher</i>   |
| 2.4     | 16:00      | 16:30    | Structure Tools: LYRA & SCEptRe  | Paolo Marcatili<br><i>DTU Associate Professor</i>  |
| 2.5     | 16:30      | 16:45    | PEPMatch: Homology of SARS-CoV-2 Spike Sequences to Myocarditis Antigens                       | Daniel Marrama<br><i>Bioinformatics Research Technician</i>  |
| --      | 16:45      | 17:00    | <u>Section 2:</u> Q&A with Drs. Chronister, Peters and Marrama                                 |  |
| --      | 17:00      | 17:30    | <b>Break</b>   |  |
| 2.6     | 17:30      | 18:00    | NIH Resources for Researchers: The LANL HIV Immunology Database                                | Elizabeth-Sharon Fung<br><i>Los Alamos National Laboratory</i>   |
| --      | 18:00      | 18:10    | <u>Section 3:</u> Q&A Q&A with Drs. Fung and Fischer   |  |
| 2.7     | 18:10      | 18:45    | B Cell Epitope Prediction  | Marcus Mendes<br><i>Bioinformatics Postdoctoral Researcher</i>   |
| 2.8     | 18:45      | 19:05    | IEDB Tools 3.0: Future of Tools  | Jason Greenbaum<br><i>Bioinformatics Core Director</i>   |
| --      | 19:05      | 19:20    | <u>Section 4:</u> Q&A with Drs. Mendes and Greenbaum   |  |
| 2.9     | 19:20      | 19:30    | Closing Remarks & Feedback Survey  | Nina Blazeska<br><i>IEDB Project Manager</i>   |
| --      | 19:30      | 20:00    | <b>Optional Q&amp;A Session</b><br>This will be to answer any remaining questions from the day |  |
| --      |            | 20:00    | <b>End of Session</b>  |  |