ICTV Webinar Detailed Agenda

March 11, 2025

- 10:00 AM – 11:30 AM U.S. CDT (Central Daylight Time)
- 15:00 – 16:30 UTC (Coordinated Universal Time)

Speaker List

- Elliot Lefkowitz, ICTV Data Secretary
- Evelien Adriaenssens, ICTV Vice President
- Steve Powell, Outreach Coordinator
- Logan Mims, Software Developer
- Don Dempsey, Software Developer
- Eden Black, Outreach and Programmer

Introduction

- Welcome (Elliot Lefkowitz)
    - Funding
    - Aims of the supporting NIH/NIAID grant
- What is the ICTV? (Evelien Adriaenssens)
    - The charge and history of the ICTV
    - Executive Committee
    - Voting Membership
    - Statutes
    - The International Code of Virus Classification and Nomenclature
    - Thanks to those providing financial support the ICTV

Intro to ICTV website & overview of resources for finding virus information

- Official ICTV Resources (Elliot Lefkowitz)
    - Master Species List
        - What it is and what it provides
        - How to search
    - Virus Metadata Resource
        - What it is and what it provides
        - How to search
    - Taxonomy database
        - Single Db drives everything
        - Data dumps available in GitHub
            - https://github.com/ICTV-Virus-Knowledgebase/ICTVdatabase
- Tour of Resources (Steve Powell)
    - (using either slides or live website: show each item, with one line description)
    - Taxonomy Browser
    - Visual Taxonomy Browser
    - Proposals

- o Find the Species
- o Taxon Name Etymology
- o Virus Properties Table
- o Virus Diagrams
- o Report Chapters
- o Help Videos
- o Google Search at bottom

In-depth description of resources

- Taxonomy Browsers (introduction by Elliot Lefkowitz)
  - o Taxonomy Browser (Steve Powell)
    - Description
    - How to access
    - How to use
      - Hierarchical display of the taxonomy in collapsing/expanding rows
    - Help features
    - Straight-forward example(s)
    - Example(s) showing limitations
    - Taxon Details (History of the Taxon) pages
      - Future enhancements
        - o Additional links (or tabs) to other resources
          - Virus properties
          - Report chapters
          - VMR entries
  - o Historical Taxonomy Browser
    - Overview
    - User can select different MSL releases for a search
  - o Visual Taxonomy Browser (Logan Mims)
    - Why it was developed
      - Provides a visual representation of the taxonomy
        - o Uses the same taxonomy as the Taxonomy Browser
    - Description
      - Where to access on the website
      - How to use
        - o Search
        - o Display
          - Release, font size, zoom, export, search
          - Meaning of "unassigned" category
        - o Demonstration
          - Straight forward example(s)
          - Display allows for side-by-side comparisons
            - Can easily visualize relatedness when comparing two species
          - Example(s) showing limitations

- Pop-up (links)
- Export formats
    - Help features
    - Future enhancements
        - Jira list
- Find the Species
    - Why Find the Species was developed (Elliot Lefkowitz)

        smallpox example

    - How to use Find the Species (Eden Black)
        - Introduce and explain the search strategies
        - Where to access
            - From the home page and from the Taxonomy dropdown list
            - How was Find the Species engineered to query the data?
        - Give examples of search algorithms
            - Exact match (e.g., COVID, measles, mumps)
                - Explanation of result output column headings
            - All words (e.g., herpes simplex, Epstein Barr)
            - Any word (e.g., Crimean Congo, other)
            - Contains (e.g., HPV, immuno, pox)
            - Other examples
    - What is Find the Species? (Don Dempsey)
        - (show navigation to page; bring up page as background before detailing)
        - How it works
        - (run a search with VMR *AND* NCBI common name hits, so can point to parts as he describes them)
        - Databases
        - Future enhancements
            - Custom records
            - Additional databases
                - Ask the attendees if they know of any

Other Resources (Elliot Lefkowitz)

- Taxon Name Etymology
- Virus Properties
- Virus Diagrams
- ICTV Report
- Help Videos

Future Plans (Elliot Lefkowitz)

- Demarcation criteria database
- Find the Virus
- API

Questions and answers