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**Sequence Similarity Searching-- Video Tutorials:**

1. Find homologous sequences: <http://media.hsls.pitt.edu/media/clres2705/blast.swf>
2. Compare two peptide sequences: <http://media.hsls.pitt.edu/media/clres2705/align.swf>
3. Convert sequence formats: <http://media.hsls.pitt.edu/media/clres2705/readseq.swf>
4. [Place a mRNA or peptide sequence into the human genome](http://www.hsls.pitt.edu/molbio/videos/play?v=12): <http://www.hsls.pitt.edu/molbio/videos/play?v=12>
5. Create a multiple sequence alignment plot (part1): <http://media.hsls.pitt.edu/media/molbiovideos/msf-clcmain-ac0212-part1.swf>
6. Create a multiple sequence alignment plot (part2): <http://media.hsls.pitt.edu/media/molbiovideos/msf-clcmain-ac0212-part2.swf>
7. Create a multiple sequence alignment plot using ClustalW: <http://media.hsls.pitt.edu/media/clres2705/msa.swf>
8. [Find pattern in a protein sequence](http://www.hsls.pitt.edu/molbio/videos/play?v=21): <http://www.hsls.pitt.edu/molbio/videos/play?v=21>
9. [Search for protein domains, repeats and sites](http://www.hsls.pitt.edu/molbio/videos/play?v=22): <http://www.hsls.pitt.edu/molbio/videos/play?v=22>
10. CLC Main –getting started (basic navigation steps):  <http://media.hsls.pitt.edu/media/molbiovideos/clc-navigation-ac0312.swf>
11. Import a DNA /Protein sequence into CLC Main (Part1): <http://media.hsls.pitt.edu/media/molbiovideos/clc-import-part1-ac0112.swf>
12. Import a DNA /Protein sequence into CLC Main (Part2): <http://media.hsls.pitt.edu/media/molbiovideos/clc-import-part2-ac0112.swf>