

Chemistry Jobs

- Technical Support
- Marketing
- Programming

**Dart-time
or
Full-time**

Bioinformatics and Phylogenetics for Windows and Mac

The screenshot displays the HyperProtein software interface for a protein named 'pdb1a3n_hemoglobin.ent'. The main window is divided into several panels:

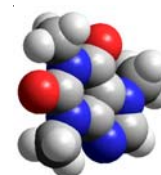
- Left Panel:** A 3D ribbon representation of the protein structure, colored in green and white.
- Top Middle Panel (Seqs: Current MSA):** Shows a multiple sequence alignment (MSA) of the protein. The sequence is:


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      ALWGKVN--VDEVGGEALGRLLVVPWTQRFFE
      ALWDKVN--EEEVGGEALGRLLVVPWTQRFFD
      AAWGKVGHAHAGEYGAEALERMFLSFPTTKTYFP
      AAWSKVGGHAGEYGAELERMFLGFPTTKTYFP
      HVWAKVEADVAGHGQDILIRLFKSHPETLEKFD
      SAWAPVYSTYETSGVDILVKFFTSTPAAQEFPP
      SSWEEFNANIPKHTHRFFILVLEIAPAADLFS
      
```
- Bottom Middle Panel (Seqs: All Sequences):** Lists various hemoglobin sequences from different species, such as HBB_HUMA, HBB_HOR, HBA_HUMA, MYG_PHYC, GLB5_PET, and LGB2_LUP, along with their amino acid sequences.
- Right Panel (Project):** A project tree showing the current MSA and two phylogenetic trees (PhyloTree_1 and PhyloTree_2).
- Bottom Right Panel (Graph: Current MSA):** A conservation graph showing the degree of conservation for each position in the MSA, with a peak at position 10.
- Bottom Left Panel (Scripter):** A phylogenetic tree (PhyloTree_1) showing the relationships between the sequences, with bootstrap values at the nodes.
- Bottom Right Panel (Tree: Current PhyloTree):** A phylogenetic tree showing the relationships between various species, including CHIMP, HUMAN, GORILLA, ORANGUTAN, RHEMUS, MOUSE, RAT, SHEEP, BOVIN, PIG, DOG, CAT, and DUNNART.

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- Know a lot about Phylogenetics?
- Know Bioinformatics inside and out?
- Know GUI programming?
- Know details of the Windows or Mac API?
- Know how to make or keep Happy Customers?
- Know serious C++ and OpenGL development?
- Know Networking and Parallelism?



Let us see your Resume!