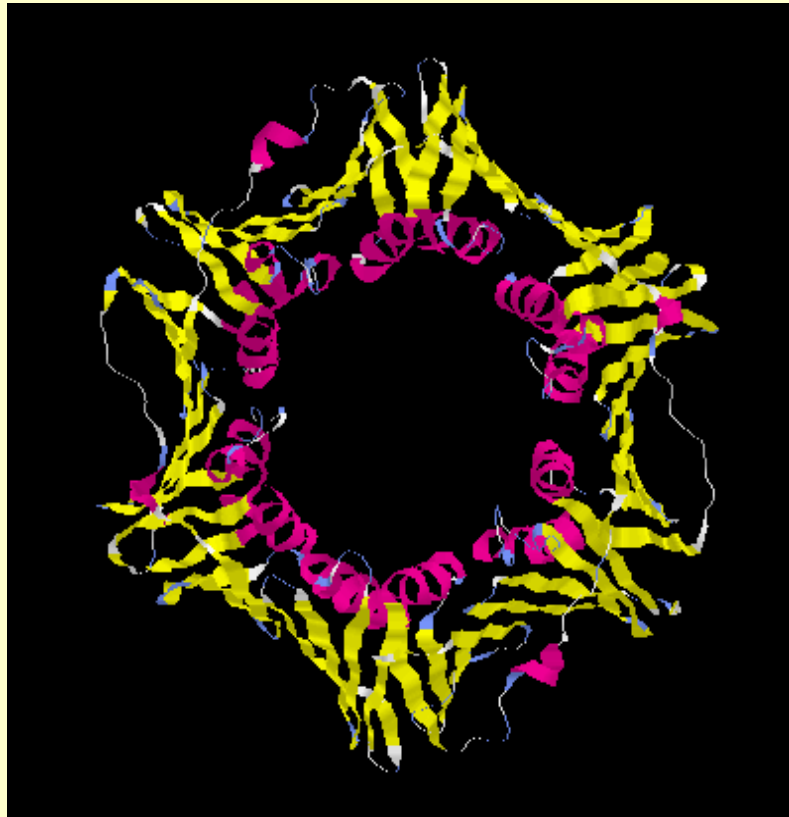


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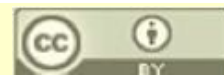
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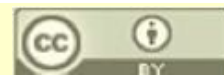
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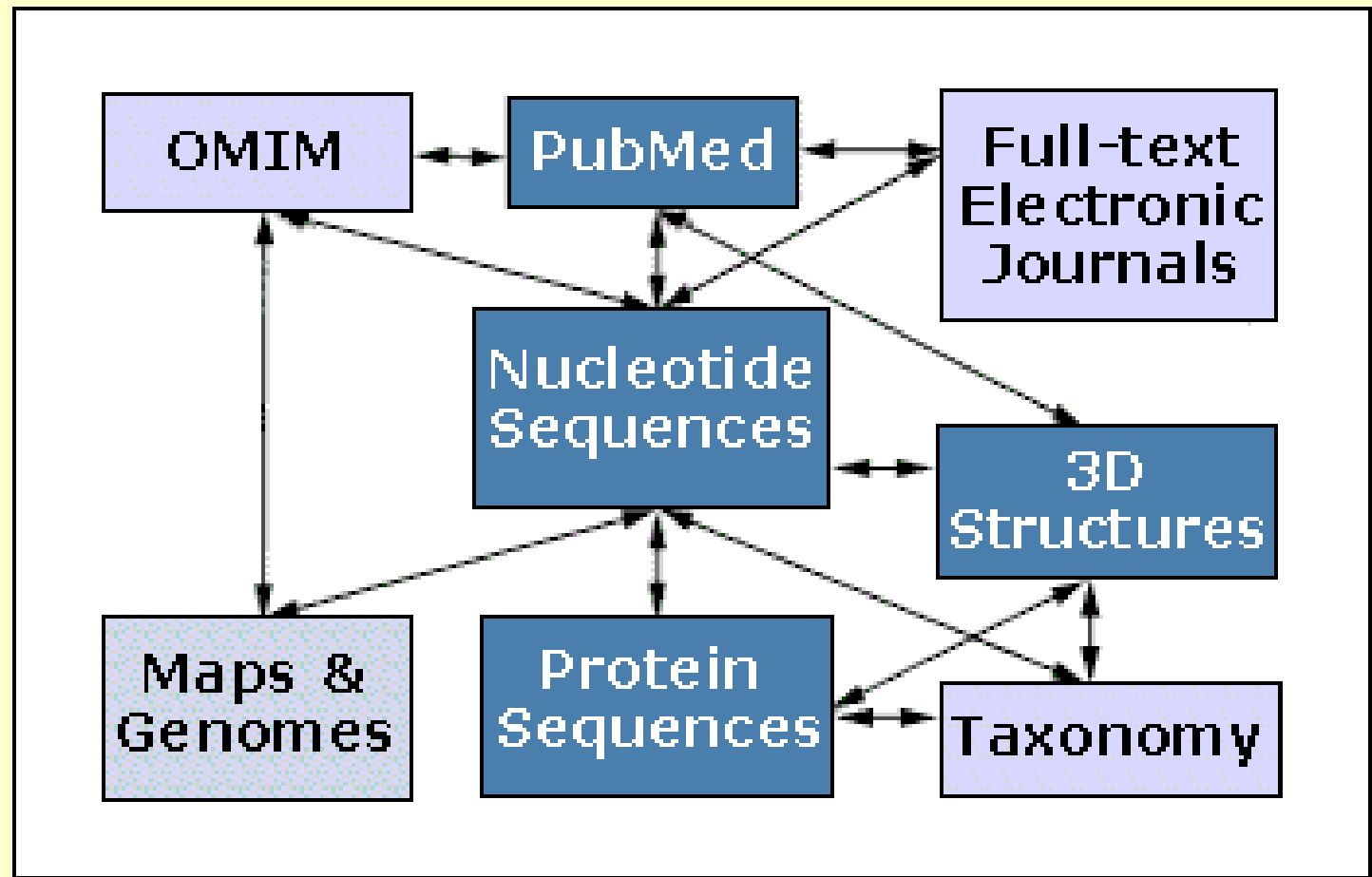
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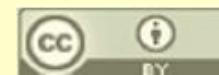
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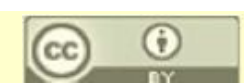
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The study of crystal structure using X-RAY DIFFRACTION techniques. (McGraw-Hill Dictionary Scientific and Technical Terms, 4th ed)
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- 3: XR5 protein, Arabidopsis [Substance Name]** Links
 a SET-domain protein that binds proliferating cell nuclear antigen; GenBank DQ074689
 Date introduced: October 4, 2006
- 4: PDIP38 protein, human [Substance Name]** Links
 interacts with the p50 subunit of DNA polymerase delta and proliferating cell nuclear antigen; RefSeq NM_015584
 Date introduced: May 2, 2003
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 The study of crystal structure using X-RAY DIFFRACTION techniques. (McGraw-Hill Dictionary of Scientific and Technical Terms, 4th ed)

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 **Structure of the heterotrimeric PCNA from *Sulfolobus solfataricus*.**
Acta Crystallograph Sect F Struct Biol Cryst Commun. 2006 Oct 1;62(Pt 10):944-8. Epub 2006 Sep 19.
PMID: 17012780 [PubMed - indexed for MEDLINE]
- 2:** [Indiani C, O'Donnell M.](#) Related Articles, Links

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Nat Rev Mol Cell Biol. 2006 Oct;7(10):751-61. Epub 2006 Sep 6. Review.
PMID: 16955075 [PubMed - indexed for MEDLINE]
- 3:** [Dore AS, Kilkenny ML, Jones SA, Oliver AW, Roe SM, Bell SD, Pearl LH.](#) Related Articles, Links

 **Structure of an archaeal PCNA1-PCNA2-FEN1 complex: elucidating PCNA subunit and client enzyme specificity.**
Nucleic Acids Res. 2006;34(16):4515-26. Epub 2006 Aug 31.
PMID: 16945955 [PubMed - indexed for MEDLINE]
- 4:** [Nishida H, Matsumiya S, Tsuchiya D, Ishino Y, Morikawa K.](#) Related Articles, Links

 **Stoichiometric complex formation by proliferating cell nuclear antigen (PCNA) and its interacting protein: purification and crystallization of the DNA polymerase and PCNA monomer mutant complex from *Pyrococcus furiosus*.**
Acta Crystallograph Sect F Struct Biol Cryst Commun. 2006 Mar 1;62(Pt 3):253-6. Epub 2006 Feb 24.
PMID: 16511315 [PubMed - indexed for MEDLINE]
- 5:** [Kazmirski SL, Zhao Y, Bowman GD, O'donnell M, Kuriyan J.](#) Related Articles, Links

 **Out-of-plane motions in open sliding clamps: molecular dynamics simulations of eukaryotic and archaeal proliferating cell nuclear antigen.**
Proc Natl Acad Sci U S A. 2005 Sep 27;102(39):13801-6. Epub 2005 Sep 16.
PMID: 16169903 [PubMed - indexed for MEDLINE]
- 6:** [Kontopidis G, Wu SY, Zheleva DI, Taylor P, McInnes C, Lane DP, Fischer PM, Walkinshaw MD.](#) Related Articles, Links

 **Structural and biochemical studies of human proliferating cell nuclear antigen complexes provide a rationale for cyclin association and inhibitor design.**
Proc Natl Acad Sci U S A. 2005 Feb 8;102(6):1871-6. Epub 2005 Jan 28.
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2. Choi M, Scholl UI, Ji W, Liu T, Tikhonova IR, Zumbo P, Nayir A, Bakkaloğlu A, Ozen S, Sanjad S, Nelson-Williams C, Farhi A, Mane S, Lifton RP.
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PMID: 19788317 [PubMed - indexed for MEDLINE]
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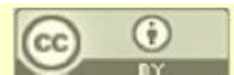
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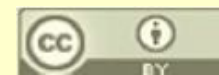
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
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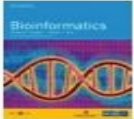
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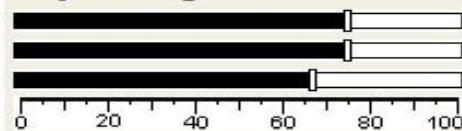
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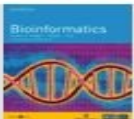
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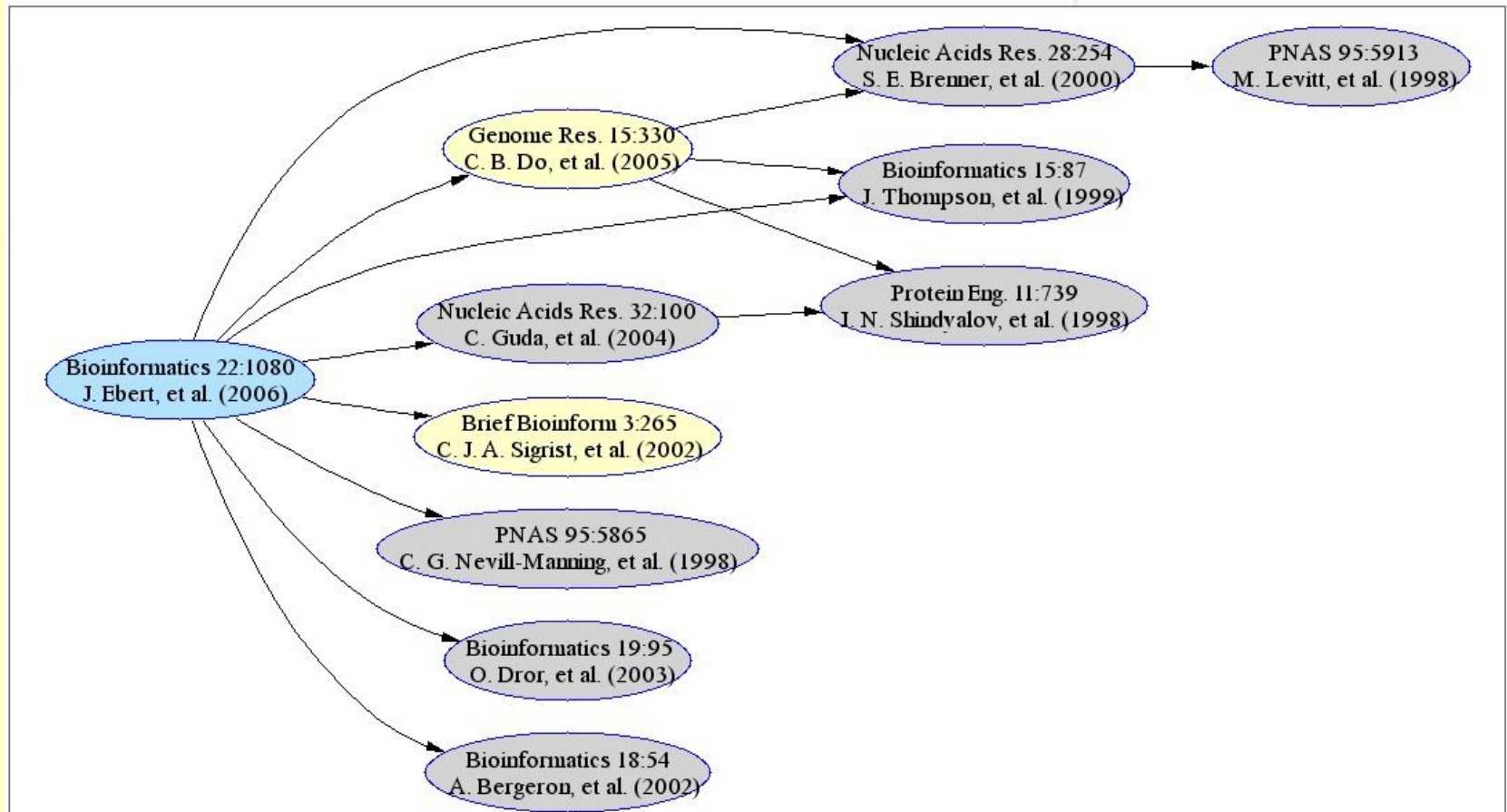


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This month, Dr. Julieta Gabiola will travel to her home country of the Philippines to help combat chronic disease. In preparation, Dr. Gabiola used the Lane **Global Health Portal** and literature from Lane's **e-journals** to better understand chronic disease in the region.

Julieta Gabiola, MD, Clinical Assistant Professor, General Internal Medicine and Chief, Stanford Medical Group at Hoover



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SOLUTION BIOTOOL: MEV

Need to analyze **microarray data**? If so, have look at the *MultiExperiment Viewer* (MeV) from **TIGR** - by far the easiest way compare and visualize results generated by multiple algorithms.

SO WHAT? SUCCESS TIP #10

The universe of **chemical compounds** is enormous, complex, and frequently under-used by biologists. So what? Well, if you've ever wondered whether...

- a compound is known to interact with your gene/protein of interest
- whether an analog is available
- where to buy that compound your experiment depends on

You can now quickly answer such questions from *DiscoveryGate* - and all Web-based tool! [\[more\]](#)



Brutlag BioPortal Search

<http://lane.stanford.edu/search.html?source=research&q=brutlag>



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- NCBI Nucleotide/Genbank : 183
- NCBI Protein : 168

Biotools

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Stanford-specific

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