

# CHARLES SUGNET

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UC Santa Cruz  
Santa Cruz, CA 95064
- Education** Ph.D., Computer Science (anticipated January 2005)  
University of California, Santa Cruz, CA USA  
Advisers: David Haussler and Manuel Ares Jr.  
Dissertation: "Discovery and Detection of Alternative Splicing"  
B.S. in Biochemistry and Molecular Biology 1996.  
University of California, Santa Cruz, CA USA  
Honors in the Major.
- Honors and Awards** National Science Foundation (NSF) Postdoctoral Fellowship, 2004  
Howard Hughes Medical Institute (HHMI) Predoctoral Fellowship, 1999-2004  
National Science Foundation (NSF) Predoctoral Fellowship (declined), 1999  
Department of Energy Predoctoral Fellowship (declined), 1999.
- Selected Publications** **C. Sugnet**, W. Kent, M. Ares Jr. and D. Haussler. Transcriptome and genome conservation of alternative splicing events in humans and mice. *Pac Symp Bio-comput*, 2004.
- Mouse Genome Sequencing Consortium (**C. Sugnet**). Initial sequencing and comparative analysis of the mouse genome. *Nature*. 420(6915):520-62, 2002.
- T. Clark, **C. Sugnet** and M. Ares Jr. Genome-wide analysis of mRNA processing in yeast using splicing-specific oligonucleotide microarrays. *Science*, 296(5569):907-910, 2002.
- W. Kent, **C. Sugnet**, T. Furey, K. Roskin, T. Pringle, A. Zahler and D. Haussler, The Human Genome Browser at UCSC. *Genome Res*, (6):996-1006, 2002.
- M. Brown, W. Grundy, D. Lin, N. Cristianini, **C. Sugnet**, T. Furey, M. Ares Jr. and D. Haussler, Knowledge-based analysis of microarray gene expression data by using support vector machines. *Proc. Natl. Acad. Sci.*, 97(1):262-7, 2000.
- M. Lewis, S. Ross, P. Strickland, **C. Sugnet**, E. Jimenez, M. Scott and C. Daniel. Defects in mouse mammary gland development caused by conditional haploinsufficiency of Patched-1. *Development*, 126(22):5181-93, 1999.
- Skills** C, R, Java, C++, and Perl programming languages (in order of strength).  
Other acronyms: CVS, SQL, HTML, XML, CGI, GDB.