

A Liga Portuguesa de Bioinformática será multidisciplinar.

Apresentamos sugestões de livros de referência das áreas de conhecimento abordadas na LPB.

## **Exatas**

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http://www.maths.lse.ac.uk/Personal/jozef/LTCC/Graph\_Theory\_Bondy\_Murty.pdf

Cormen, Thomas H., Et Al. Introduction To Algorithms. Mit Press, 2009.

Fedeli, R. D. Et Al., Introdução À Ciência Da Computação. São Paulo: Pioneira - Thomson Learning, 2003. 238p.

Sipser, M. (1996). Introduction to the Theory of Computation. ACM Sigact News, 27(1), 27-29.

Starck, J. L., Murtagh, F. D., & Bijaoui, A. (1998). Image processing and data analysis: the multiscale approach. Cambridge University Press.

Barry, Paul. Use a Cabeça! - Python, (2013) Alta Books.

Tenenbaum, Aaron. Estruturas De Dados Usando C. São Paulo: Editora Makron Books, 1995. 884p.

Aho And Ullman. Foundations Of Computer Science. W. H. Freeman, 1994.

## **Biológicas**

Alberts, B.; Johnson, A.; Lewis, J.; Raff, M.; Roberts, K.; Walter, P. (2017) Biologia Molecular da Célula. 6a ed. Artmed, Porto Alegre. 1464p.

Griffiths, A.J.F.; Wessler, S.R.; Carroll, S.B.; Doebley, J. (2016) Introdução à Genética. 11a ed. Guanabara Koogan, Rio de Janeiro. 780p.

Lehninger, A; Nelson, D.L.; Cox, M.M. (2018) Princípios de bioquímica de Lehninger. 7a ed. Artmed, Porto Alegre. 1312p.

Snustad, P. & Simmons, M.J. (2008) Fundamentos de Genética. 4a ed. Guanabara Koogan, Rio de Janeiro, RJ. 778p.

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## **Bioinformática**

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Jones, C.N. and Pevzner, P.A. An Introduction to Bioinformatics Algorithms (Computational Molecular Biology). 1 Edition. The MIT Press, 2004.

Lesk, A. Introduction to Bioinformatics. 3 Edition. Oxford University Press, 2008.

Rocha, Miguel, and Pedro G. Ferreira. *Bioinformatics algorithms: design and Implementation in Python*. Academic Press, 2018.

Mount, D.W. Bioinformatics: Sequence and Genome Analysis. 2 Edition. Cold Spring Harbor Laboratory Press, 2004.

Rosalind problems. Disponível online <a href="http://rosalind.info/problems/list-view/">http://rosalind.info/problems/list-view/</a>.

Barabási, L. (2018). The formula: The universal laws of success. New York, NY: Little, Brown and Company . ed.