

国科大《实用生物信息技术》暑期课 2 班/3 班通知

2018 年 7 月 25 日

以下为本课程必读文献

1. Fatehi F, Gray LC, Wootton R. How to improve your PubMed/MEDLINE searches: 3.advanced searching, MeSH and My NCBI. J Telemed Telecare. 2014 Mar;20(2):102-12.
2. Fatehi F, Gray LC, Wootton R. How to improve your PubMed/MEDLINE searches: 2.display settings, complex search queries and topic searching. J Telemed Telecare. 2014 Jan;20(1):44-55.
3. Fatehi F, Gray LC, Wootton R. How to improve your PubMed/MEDLINE searches: 1.background and basic searching. J Telemed Telecare. 2013 Dec;19(8):479-86.
4. Hall BG. Building phylogenetic trees from molecular data with MEGA. Mol Biol Evol. 2013 May;30(5):1229-35.
5. Kelley LA, Mezulis S, Yates CM, Wass MN, Sternberg MJ. The Phyre2 web portal for protein modeling, prediction and analysis. Nat Protoc. 2015 Jun;10(6):845-58.

以下为本课程主要网站

1. 本课程教学网站北京大学主站点: <http://abc.cbi.pku.edu.cn/>
2. 本课程教学网站基因组所镜像点: <http://abc.cbi.pku.edu.cn/>
3. 在线生物信息学教程: <https://www.ebi.ac.uk/training/online/>
4. 生物大分子月报: [http://www.rcsb.org/pdb/101/motm\\_archive.do](http://www.rcsb.org/pdb/101/motm_archive.do)
5. 蛋白质分子精选: <http://web.expasy.org/spotlight/>
6. 生物信息网上实验室: <http://weblab.cbi.pku.edu.cn/>
7. 双序列比对点阵图: <https://dotlet.vital-it.ch/>
8. 数据库相似性搜索: <http://www.ncbi.nlm.nih.gov/blast/Blast.cgi>
9. 系统发生树构建: <http://www.megasoftware.net/>
10. 蛋白质结构分析: [http://spdbv.vital-it.ch/main\\_guide.html](http://spdbv.vital-it.ch/main_guide.html)
11. 蛋白质功能预测: <https://www.predictprotein.org/>
12. 蛋白质结构预测: <http://www.sbg.bio.ic.ac.uk/phyre2/>