**Programul de**

***Bioinformatica & Biologie Structurală***

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**Bibliografie**

**Structural Biology**

1. ***Lehninger Principles of Biochemistry*** David L. Nelson, Michael M. Cox. *New York, W.H. Freeman*, cap 1-8, 28

2. ***Bioinformatics. Sequence and Genome Analysis***, David W Mount, *Cold Spring Harbor Laboratory Press*, Cap 1÷7 & 12

3. ***Molecular Modeling and Simulation. An Interdisciplinary Approach*** Tamar Schlick, Springer

**Aging & Systems Biology:**

1. *Book chapters*: Gentleman R, Carey V, Huber W, Irizarry R, Dudoit S. Bioinformatics and Computational Biology Solutions Using R and Bioconductor, 2005 – *Part V: Case studies*
2. *Review*: Barabási AL, Oltvai Z. Network biology: understanding the cell's functional organization, Nature Reviews Genetics 5:101-113, 2004
3. *Review*: Chuang H, Hofree M, Ideker T. A decade of systems biology, Annual Review of Cell and Developmental Biology, 26:721–744, 2010
4. *Book chapter*: de Magalhães JP, Tacutu R, Integrative Genomics of Aging, *from* Kaeberlein M, Martin G. Handbook of the biology of aging, 8th edition, 2016
5. *Review*: Riera CE, Dillin A. Can aging be 'drugged'? Nature Medicine, 21:1400-1405, 2015
6. *Research article, Database*: Barardo D et al., The DrugAge database of ageing-related drugs, Aging Cell, 16:594-597, 2017 (*familiarization with article and with some of the more prominent lifespan-modulating drugs*)