

Iniciación a la experimentación en el ámbito de la Biología Celular, Molecular, Genética y Evolutiva

Bibliografía



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ARTÍCULOS Y LIBROS

- Brown RB and Audet J. Current techniques for single-cell lysis. *J R Soc Interface*. 2008; 5(Suppl 2): S131–S138.
- Diffenbach CW, Lowe T M and Dveksles G S. General Concepts of Primer Design. *Genome Res*. 1993; 3: S30-S37
- Duffy DL, Zhao ZZ, Sturm RA, Hayward NK, Martin NG, Montgomery GW. Multiple pigmentation gene polymorphisms account for a substantial proportion of risk of cutaneous malignant melanoma. *J Invest Dermatol*. 2010; 130(2):520-8.
- Durbin R. A map of human genome variation population-scale sequencing. *Nature*, 2012; 467: 1061-1073.
- Gambichler, Thilo et al. "Serum Folate Levels after UVA Exposure: A Two-Group Parallel Randomised Controlled Trial." *BMC Dermatology*. 2001; 8. PMC. Web. 13.
- García-Borrón JC, Abdel-Malek Z, Jiménez-Cervantes C. MC1R, the cAMP pathway, and the response to solar UV: extending the horizon beyond pigmentation. *Pigment Cell Melanoma Res*. 2014; 27(5):699-720.
- Harris, SS. Vitamin D and African Americans. *J Nutr*. 2006; 136 (4): 1126-1129.
- Kim TK and Eberwine JH. Mammalian cell transfection: the present and the future. *Anal Bioanal Chem*. 2010; 397(8): 3173–3178.
- Lee PY, Costumbrado J, Hsu CY, Kim YH. Agarose gel electrophoresis for the separation of DNA fragments. *J Vis Exp*. 2012; (62).
- Pfaffl MW. Quantification strategies in real-time PCR. In: A-Z of quantitative PCR. 2004 (Editor: S.A. Bustin): 87 – 112.
- Rahman AM, Selva D, Davis G. Choroidal melanoma with extrascleral extension in an Australian Aboriginal man. *Clin Experiment Ophthalmol*. 2007 ;35(2):187-9.
- Robins AH. (1991). Biological perspectives in human pigmentation. Cambridge University Press. ISBN-9780521365147.

- Sánchez Más J, Olivares Sánchez C, Ghanem G, Haycock J, Lozano Teruel JA, García-Borrón JC, Jiménez-Cervantes C. Loss-of-function variants of the human melanocortin-1 receptor gene in melanoma cells define structural determinants of receptor function. *Eur J Biochem.* 2002; 269(24):6133-41.
- Schwab S. in *Animal Cell Culture*. Edited by: Mohamed Al-Rubeai, Springer, 2014.
- Smalley K, Eisen T. The involvement of p38 mitogen-activated protein kinase in the alpha-melanocyte stimulating hormone (alpha-MSH)-induced melanogenic and anti-proliferative effects in B16 murine melanoma cells. *FEBS Lett.* 2000;476(3):198-202.
- Tajima F. Statistical method for testing the neutral mutation hypothesis by DNA polymorphism. *Genetics.* 1989; 123:585-595.
- Tishkoff, Sarah A. et al. "The Genetic Structure and History of Africans and African Americans." *Science* 2009; 324 (5930): 1035–1044.
- *Unchern S. Basic techniques in animal cell culture*. In *Laboratory Practice on Caco-2 Cell Culture*. Drug Delivery System Workshop August 19-20, 1999 : Bangkok, Thailand.
- Watterson GA. Number of segregating sites in genetic models without recombination. *Theor Popul Biol* (1975); 7: 256-276.

ENLACES DE INTERNET

- Agarose Gel Electroforesis [Internet] BioRad [11 oct. De 2012; citado el 25 oct. de 2016]. Disponible desde:
<https://www.youtube.com/watch?v=vq759wKCCUQ>
- Benson C. RNA extraction Tutorial [Internet] [3 ene. de 2015; citado el 25 oct. de 2016]. Disponible desde:
<https://www.youtube.com/watch?v=MgNicWbANKA&nohtml5=False>
- Cell Culture Basics from Gibco [Internet]. Thermo Fisher Scientific [21 dic de 2011; citado el 25 oct. De 2016]. Disponible desde:
<https://www.youtube.com/watch?v=kbhQ29vRqs4>

- Centrifugation Separations, Mark Frei, Sigma-Aldrich [Internet]. BioFiles Volume 6, Number 5 [citado el 25 oct. de 2016]. Disponible desde: <http://www.sigmaaldrich.com/technical-documents/articles/biofiles/centrifugation-separations.html>
- Cold Spring Harbor Protocols [Internet]. USA: CSH Press [citado el 25 oct. de 2016]. Disponible desde: <http://cshprotocols.cshlp.org/content/2006/1/pdb.prot4455.full>
- Derek Davies. Cell Sorting by Flow Cytometry. [Internet] New Jersey, USA: M.G. Macey Humana Press [citado el 25 oct. de 2016]. Disponible desde: <http://www.facs.ethz.ch/docs/lit>
- DNA transfection using jetPRIME reagent [Internet]. USA: Chain de Polyplus Transfection. Polyplus [15 mar. de 2011; citado el 25 oct. de 2016]. Disponible desde: http://www.youtube.com/watch?v=G39wNXaZPX4&feature=em-share_video_user
- How to Set up the PCR Reaction [Internet]. Thermo Fisher Scientific [28 feb. de 2013; citado el 25 oct. de 2016]. Disponible desde: <https://www.youtube.com/watch?v=NVIT3f-MZ5o&nohtml5=False>
- Kennedy S. How DNA extraction kits works in the lab [28 jun. De 2010; citado el 25 oct. de 2016] In: The missing manual for bioscientists. USA: BitesizeBio [Internet]. Disponible desde: <http://bitesizebio.com/13516/how-dna-extraction-rna-miniprep-kits-work/>
- MACS Technology [Internet]. Miltenyi Biotec [citado el 25 oct. de 2016]. Disponible desde: http://www.dartmouth.edu/~dartlab/uploads/MACS_Technology_Flyer.pdf
- Mark Frei. Centrifugation Separations. [Internet]. MO, USA: Sigma-Aldrich. BioFiles Volume 6, Number 5 [citado el 25 oct. de 2016]. Disponible desde: <http://www.sigmaaldrich.com/technical-documents/articles/biofiles/centrifugation-separations.html>
- Nexcelom Bioscience [Internet]. Massachusetts, USA: Nexcelom [citado el 25 oct. de 2016]. Disponible desde:

<http://www.nexcelom.com/Applications/measure-cell-viability-using-trypan-blue-or-AOPI.php#feature1a>

- Noles SR. Traditional Methods for CsCl Isolation of Plasmid DNA by Ultracentrifugation. [Internet]. USA: Thermo Fisher Scientific [citado el 25 oct. de 2016]. Disponible desde:
<https://tools.thermofisher.com/content/sfs/brochures/D17309~.pdf>
- One focus. Transfection [Internet]. USA: Mirus Bio LLC [citado el 25 oct. de 2016]. Disponible desde: <https://www.mirusbio.com/transfectopedia/methods>
- Passaging Cells: Gibco Cell Culture Basics Gibco [Internet]. Thermo Fisher [21 dic de 2011; citado el 25 oct. De 2016]. Disponible desde:
https://www.youtube.com/watch?v=z_aK6pH3_G8
- Patrick M. Plasmids 101: Mammalian Vectors [25 mar. de 2014; citado el 25 oct. de 2016]. In: Addgene's Blog [Internet] Addgene. Disponible desde:
<http://blog.addgene.org/plasmids-101-mammalian-vectors>
- PCR-Polymerase Chain Reaction- Simple Animated Tutorial [Internet]. Thermo Fisher Scientific [1 jun. de 2012; citado el 25 oct. de 2016]. Disponible desde: <https://www.youtube.com/watch?v=DkT6XHWne6E>
- Robertson S. Gene Expression Techniques. News Medical Life Sciences [Internet] USA: AZO Network [actualizado 2 dic. de 2014; citado el 25 oct. de 2016]. Disponible desde: <http://www.news-medical.net/life-sciences/Gene-Expression-Techniques.aspx>
- Sambrook J. and Russell DV. Purification of Nucleic Acids by Extraction with Phenol:Chloroform. Protocols [Internet]. USA: Cold Spring Harbor Press [citado el 25 oct. de 2016]. Disponible desde:
<http://cshprotocols.cshlp.org/content/2006/1/pdb.prot4455.full>
- Separation [Internet]. Vermont, USA: University of Vermont. [citado el 25 oct. de 2016]. Disponible desde:
http://www.uvm.edu/~biology/Classes/296D/12_Separation.pdf
- Simplified RT- Reverse Transcription Animation [Internet]. Thermo Fisher Scientific [6 dic. de 2012; citado el 25 oct. de 2016]. Disponible desde:
<https://www.youtube.com/watch?v=0MJlbrS4fbQ&nohtml5=False>

BASES DE DATOS Y PROGRAMAS DE ACCESO LIBRE EN INTERNET

- <http://www.ncbi.nlm.nih.gov/>
- http://www.biophp.org/minitools/melting_temperature/demo.php?formula=basic
- <http://www.promega.com/a/apps/biomath/index.html?calc=tm>
- <http://bioinfo.ut.ee/primer3-0.4.0/>
- <http://www.ensembl.org/index.html>
- <http://www.mbio.ncsu.edu/bioedit/bioedit.html>
- <http://www.ub.edu/dnasp/>
- <http://spsmart.cesga.es/>
- <http://genome-euro.ucsc.edu/>