

اسئلة دكتور بلال (٢-٨، ١٢، ٣٩)  
اسئلة دكتور دبالا هم الباقي  
يمكن في سؤال تكرر لانو انحذف معنا سوالين  
موفقين

1- Not synthesized in smooth ER :  
Gangliosides

2- Correct about lysosomal enzymes : synthesized inactive & get activated in low pH

3- Pedigree with different color degrees representing the severity of the disease between different members of the family -> expressivity

4- Genes affecting another gene phenotyping -> epistasis

5- Pedigree with 8:3 F/M and first generation female with the disease/all daughters of male sons have the disease -> X linked dominant

6- only males affected pedigree-> X linked recessive

7- Pyruvate Dehydrogenase deficiency mode of inheritance-> Autosomal recessive

8- 45,(X,X),t(13q:14q)  
Living possibilities if mating with healthy male -> 1/2

9- Not linked with actin -> Desmosomes

10- Cancer lacks all of the following except -> angiogenic potential

11- All of the following are present in focal adhesions except -> plectin

12- Prevent passage of proteins between apical and basolateral compartments -> tight junctions

13- mutation in tropoelastin protease will lead for error in one of the following processes -> extracellular assembly

14- KDEL-lumen (correct sequence match)

15- Woman's Karyotype 45XX -14 -21 (t21q,14q) her husband has normal karyotype ..which is the least likely karyotype to appear in their live offspring?

Two answers were doubted, normal/ 46 XY , - 21 , t(q14:q 21)

16- A disease in which HSB can't be separated from the nuclear receptor, the outcome is.. ( steroid hormone can't bind)

17- laminin will interact with all of the following except .. ?  
claudin

18- Extreme pH treatment: peripheral proteins

19- Cholesterol: increases rigidity

20- 47XXX two X are inactivated, the clinical features happens due? unsilenced genes on the inactivated Xs.

21- BH3 sensor for pro apoptotic

22- mosaicism

: in mitosis after fertilization

23- One of the following if mutated will block acetylcholine from going to the ends of the neurons, (kinesin)

24- Emphysema: less activity for  $\alpha$ -1 antitrypsin, more activity for elastase

25- Mitochondrial not related disease: glutaric aciduria

26- Spindle fibers not related to actin

27- Sphingomyelin is synthesized on the luminal surface of Golgi apparatus.

28- one of the following is not part of the actin filaments binding protein : desmosome

29- to precede cell cycle (RB Phosphorylation)

30- what happens to mitochondria when getting older (fusion)

31- A question about putting a dye on a cell and which of the following caused the other cells to be coloured too, a molecule which is composed of 2 connexins

32- Related to lysosome disease? Lysosomal enlargement

33- correct about intermediate filaments

Disassembly occurs due to Phosphorylation

34- stem cells remain stem by segregation of proteins

35- What regulated mRNA transport in one direction?

Helicase

36- Increment in peroxisomes after a stroke -> increase catalase vs ros and oxidative stress

37- Correct combination of ligand and receptor

cytokine and nonreceptor protein tyrosine kinase

38- correct match for drugs  
Taxol , cancer

39- a disease that differs in its presentation between females and males  
Sex influenced

40- correct about ribosomal proteins  
Final maturation in the cytosol

41- Peroxisomes and synthesis of plasmalogens

42- Gpl anchoring done in ER

43- insertion of mitochondrial proteins from mitochondrial dna (Oxa translocase)

44- vesicle with lysosomal enzymes and Cop1  
From golgi to er stay inactive

45- Unfold protein response all except calreticulin inactivation

46- Nuclear pore complex for  
( organization of transport across the nucleus)

47- nf-kb does on the following  
I-kb expression

48- Protein that holds sister chromatids during S and G2 phase (cohesin)

49- coat for receptor mediated endocytosis  
Tethering protien  
(Clathrin)  
t snare

50- isn't found

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