[redacted]

predoc

POF

Test: DELPHi / DIY (circle one)

Universidad de La Laguna (Spain), 26 January 2022

Your initials:

- **Question 1:** Is the candidate gene a transcription factor or part of a transcription complex?

Gene	Transcription factor / part of transcription complex? (Y/N)	
HIF1A		
SMAD3		
TRAF2		
CEBPA	YES	YES

- **Question 2:** Is the candidate gene involved in an immune signalling pathway, i.e. a pathway that is immune cell-specific or a generic pathway known to operate in immune cells (e.g. the JAK-STAT, MAPK, NF-kappa B or TNF signalling pathways) ?

  You can also consider blood cell-specific pathways like leukaemias.

Gene	Annotate relevant pathways	
HIF1A		
SMAD3		
TRAF2		
CEBPA	~~NON ALCOHOLIC FATTY LIVER DISEASE~~ LEUCEMIA	YES. LEUKOMIA

- **Question 3:** Can you write down the known protein binding partners (if any) of each candidate gene ?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	FOXO1, KDM1A

FOXO1

- **Question 4:** Can you write down the diseases each candidate gene is associated with?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	ACUTE MYELOID LEUKEMIA

MYELOID LEUKEMIA

- **Question 5:** For each candidate gene, can you find a genetic phenotype that produces an abnormal immune phenotype or disease?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	abnormal immune system. morphy. immune system phenotype Myelogen Leukemia develop from changes.

- **Question 6:** Are any of the candidate genes expressed in a type of immune cell or in a tissue or organ where immune cells are known to reside (e.g. the bone marrow, thymus, spleen and lymph nodes) ?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	embryonic day 19.0

Bone marrow
liver
Whole Blood.

- **Question 7:** Have any of the candidate genes been studied in the context of macrophages?

Gene	PMID of paper
HIF1A	
SMAD3	
TRAF2	
CEBPA	YES

YES.

System Usability Scale

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	Strongly disagree 1	2	3	4	Strongly agree 5	
1. I think that I would like to use this system frequently					X	4
2. I found the system unnecessarily complex		X				3
3. I thought the system was easy to use					X	4
4. I think that I would need the support of a technical person to be able to use this system	X					4
5. I found the various functions in this system were well integrated					X	4
6. I thought there was too much inconsistency in this system	X					4
7. I would imagine that most people would learn to use this system very quickly				X		3
8. I found the system very cumbersome to use	X					4
9. I felt very confident using the system				X		3
10. I needed to learn a lot of things before I could get going with this system	X					4

~~35~~
37

28
+ 9
37

28 +
+ ~~49~~
~~49 x 2.5 =~~
3

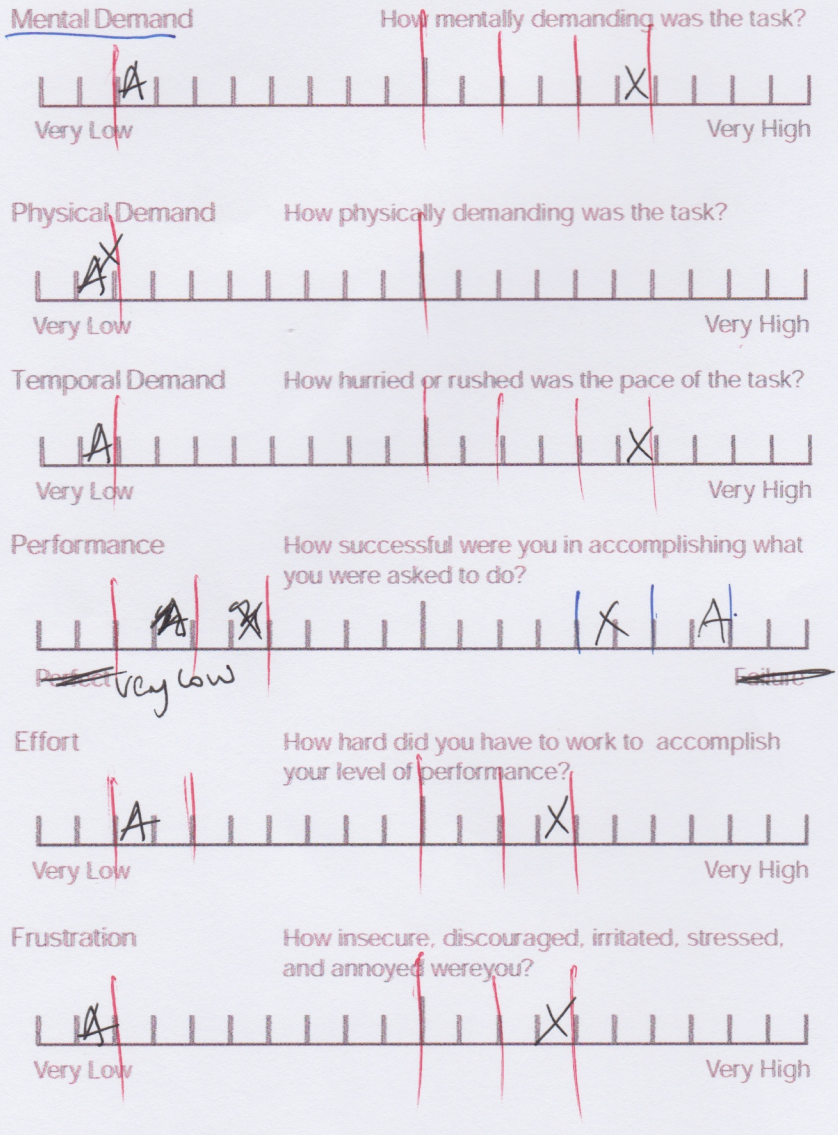
37 x 2.5 = 92.5

Figure 8.6

NASA Task Load Index

Hart and Staveland's NASA Task Load Index (TLX) method assesses work load on five 7-point scales. Increments of high, medium and low estimates for each point result in 21 gradations on the scales.

Name	Task	Date



① [redacted] predoc — 12:14 – 12:51

PA debriefing

① How useful do you think the interface is?

Sí xq resume un montón de información, a la vez te hace una imagen de todo, de ahí saltar a información más detallada.

② What would you like to add improve?

Que se vea expresión x tipo celular además de por tejido.

③ What things did you not like?

- La letra pequeña.
- qué sólo está en ratón de momento → ampliarlo a humanos.

④ otro comentario?

Nada.

	DELPHI		DIY	Errors
Q1	15'	NCBI Gene	35"	0
Q2	1'30"	Genecards	2'30"	0
Q3	16"	Genecards	1'30"	0
Q4	30"	Genecards	1'	0
Q5	1'	Genecards	3'	0
Q6	25"	Genecards	1'	0
Q7	1'	Genecards → NCBI all databases → PubMed		1
Total	5'			3'

Un patrón común que estoy observando es que la gente de un mismo laboratorio ~~[illegible]~~ suele usar las mismas herramientas bioinformáticas, pero no tiene protocolos establecidos de búsqueda de información.