bionic tracking: eye tracking for cell tracking in VR

Please make sure you have understood and signed both the *Declaration of Consent and the Declaration of Consent for the Storage of Personal Data for Research Purposes* before filling out this form.

Abo	ut you		
1.	Age		
	Gender		
3.	Dominant Hand		
	□ Left		
	□ Right		
4.	Do you require any optical aid?		
	□ No		
	□ Yes,	-	
5.	Are you wearing any right now?		
	□ No		
	□ Yes,	-	
6.	Do you have any impairment in color	vision?	
	□ No		
	□ Yes,		
7.	Do you have any impairment in spatia	l perception?	
	□ No		
	□ Yes,	-	
8.	Do you have any motor impairment?		
	□ No		
	□ Yes,	-	
Pre-	study questions		
9a.	Do you have any prior experience with	n VR applications or games?	
			None $\square - \square - \square - \square$ Daily use
9b.	Have you used computer-based VR he	eadsets before? Examples for such	devices are Oculus Rift, HTC Vive, etc.
			Never □—□—□—□ Daily use
9c.	Did you enjoy the experience?		
			Not at all □—□—□—□ Very much
9d.	Have you used smartphone-based VR <i>Plus, etc.</i>	headsets before? Examples for sa	uch devices are Samsung Gear VR, Zeiss VR ONE
			Never $\square - \square - \square - \square$ Daily use
9e.	Did you enjoy the experience?		
			Not at all □—□—□—□ Very much
9f.	Have you used standalone VR headset	ts before? Examples for such device	es are Oculus Go, or the Lenovo Mirage Solo.
			Never □—□—□—□ Daily use
9g.	Did you enjoy the experience?		
			Not at all □—□—□—□ Very much

9h. Did you ever use an eye tracking-based user interface?	
	Never □—□—□—□ Daily use
9i. Do you have any prior experience with cell tracking?	
	None □—□—□—□ Daily use
Condition before the study	
10a. How tired do you feel?	Not at all □—□—□—□ Very
10b. How concentrated are you?	Not at all □—□—□—□ Very
10c. How motivated are you?	Not at all □—□—□—□ Very
10d. Do you have a headache?	Not at all □—□—□—□ Very
10e. Do you have dry or aching eyes?	Not at all □—□—□—□ Very
10f. Do you feel nauseous?	Not at all □—□—□—□ Very
Post-study questions	
Please read the questions carefully, some are formulated in a affirma	ative way, some are not.
Condition after the study	
11a. How tired do you feel?	Not at all □—□—□—□ Very
11b. How concentrated are you?	Not at all □—□—□—□ Very
11c. How motivated are you?	Not at all □—□—□—□ Very
11d. Do you have a headache?	Not at all □—□—□—□ Very
11e. Do you have dry or aching eyes?	Not at all □—□—□—□ Very
11f. Do you feel nauseous?	Not at all □—□—□—□ Very
General Questions	
12a. The software felt responsive to my inputs.	Not at all □—□—□—□ Very
12b. Being in an isolated VR environment irritated me.	Not at all □—□—□—□ Very
12c. I had trouble orienting myself.	Not at all □—□—□—□ Very
12d. I would have liked a different input/control method.	Not at all □—□—□—□ Very
12e. The usage felt very natural and intuitive.	Not at all □—□—□—□ Very
12f. I had to keep track of too many things at once.	Not at all □—□—□—□ Very
12g. I was put off by the prototype character of the software.	Not at all □—□—□—□ Very
12h. I needed a long time to learn how to use the software.	Not at all □—□—□—□ Very
12i. The interaction felt very precise.	Not at all □—□—□—□ Very
12j. Having my eyes tracked irratated me.	Not at all $\square - \square - \square - \square - \square$ Very
12k. The cell tracks created looked reasonable to me.	Not at all □—□—□—□ Very
12l. I could complete the tracking tasks with confidence.	Not at all □—□—□—□ Very
12m. Relative to regular manual tracking, tracking with the presen	nted technique would take times the time.
Adoption Questions	
13a. I could imagine adopting the presented technique for tracki	ng of my datasets.
	Not at all □—□—□—□ Completely
13b. The presented technique provides an improvement over cur	rrent techniques.
	Not at all □—□—□—□ Completely
13c. The presented technique would allow me to perform tracking	ng tasks faster.
	Not at all □—□—□—□ Completely
13d. The presented technique would allow me to perform tracking	ng tasks more precisely.
	Not at all $\Box - \Box - \Box - \Box$ Completely

Task Load Questions

14a.	How mentally demanding was the task?		
		Very Low \square — \square — \square — \square — \square Very High	
14b.	How physically demanding was the task?		
		Very Low $\square - \square - \square - \square - \square - \square$ Very High	
14c.	How hurried or rushed was the pace of the task?		
		Very Low $\square - \square - \square - \square - \square - \square$ Very High	
14d.	How successful were you in accomplishing what you were asked	d to do?	
		Perfect □—□—□—□—□ Failure	
14e.	How hard did you have to work to accomplish your level of per	formance?	
		Very Low ————————— Very High	
14f.	How insecure, discouraged, irritated, stressed, and annoyed were you?		
		thm:low-low-low-low-low-low-low-low-low-low-	
Simu	lator Sickness		
Do you	u experience any of the following symptoms? How badly?		
15a.	General discomfort	None □—□—□ Very High	
15b.	Fatigue	None □—□—□ Very High	
15c.	Headache	None □—□—□ Very High	
15d.	Eyestrain	None □—□—□ Very High	
15e.	Difficulty focussing	None □—□—□ Very High	
15f.	Increased salivation	None □—□—□—□ Very High	
15g.	Sweating	None □—□—□ Very High	
15h.	Nausea	None □—□—□ Very High	
15i.	Difficulty concentrating	None $\square - \square - \square - \square$ Very High	
15j.	Fullness of head	None □—□—□ Very High	
15k.	Blurred vision	None □—□—□ Very High	
15l.	Dizzy with open eyes	None $\square - \square - \square - \square$ Very High	
15m.	Dizzy with closed eyes	None $\square - \square - \square - \square$ Very High	
15n.	Vertigo	None $\square - \square - \square - \square$ Very High	
15o.	Stomach awareness	None $\square - \square - \square - \square$ Very High	
15p.	Burping	None □—□—□ Very High	