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May 16, 2023,

Dear Planek,

We would like to submit for your review an original research article entitled, “Detecting changes in pupil response to light associated with cannabis consumption” for consideration by the *Journal of Safety Research*.

We confirm that this work is original and has not been published elsewhere nor is it currently under consideration for publication elsewhere.

Our paper provides new evidence for an objective marker of recent cannabis use that could be used to detect drug impairment in the workplace. In this paper, we identify differences in trajectories of pupil response to light for participants who recently consumed cannabis compared to participants who did not. We are able show differences in trajectories based solely on the pupillary light response after smoking cannabis regardless of cannabis use history (i.e., not limited by drug tolerance). Results from this study provide evidence that pupillary light response may be an objective, and validated measure of recent cannabis use, making it an asset in the prevention of cannabis-involved roadside accidents and workplace injuries.

We have no conflicts of interest to disclose.

Please address all correspondence concerning this manuscript to me at [suneeta.godbole@cuanschutz.edu](mailto:suneeta.godbole@cuanschutz.edu).

Thank you for your consideration of this manuscript.

Sincerely,

Suneeta V. Godbole