

Office of Health Translation and Assessment: Shift Work at Night, Light at Night, and Circadian Disruption

NTP Scientist: Kristina Thayer, Office of Health Translation and Assessment (OHAT)

In parallel to the Office of Report on Carcinogens (ORoC) activities, OHAT will be working to identify one or more systematic reviews to focus on evaluating non-cancer health outcomes related to shift work at night, light at night, and circadian disruption.

The types of non-cancer health outcomes of interest include metabolic disorders, cardiovascular disease, depression and mood disorders, impacts on reproduction and the immune system, and acute safety issues (i.e., involvement in car accidents). Over the next several months OHAT will be surveying the non-cancer literature to identify areas for specific systematic review(s), considering both the extent of original research and existence of other reviews. The focus during the initial literature survey will be on occupational “exposure” scenarios although OHAT will stay abreast of ORoC efforts to better define the nature of the exposure and types of relevant supporting information.

OHAT will present its draft concept for assessing non-cancer outcomes at the BSC meeting in December 2013.