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**Supplemental Figure 1** Scatterplots of thyroid cancer incidence versus percentage of exposure to artificial light at night by quartile of gross domestic product, quartile of health expenditure per person or quality of cancer registries, with locally weighted Scatterplot Smoothing curves. ASR THYR CA: Adjusted Standardized Rate-Thyroid cancer Incidence per 100000 population; ALN Area 688: Percentage % Exposure to Artificial Light > 688  $\mu\text{cd}/\text{m}^2$  at night by country area; ALN Area 87: Percentage % Exposure to Artificial Light > 87  $\mu\text{cd}/\text{m}^2$  at night by country area; ALN Pop 688: Percentage % Exposure to Artificial Light > 688  $\mu\text{cd}/\text{m}^2$  at night by country population;

ALN Pop 87: Percentage % Exposure to Artificial Light  $> 87 \mu\text{cd}/\text{m}^2$  at night by country population; QuartGDP: Gross Domestic Product Per Person Quartile; QuartHEP: Health Expenditure per Person Quartile; Reg Qual: Quality of cancer registries, in three groups, high quality registries (1), registries of lower quality (2) or no registry activity (3).