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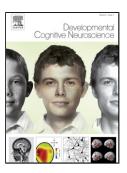
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## ACCEPTED MANUSCRIPT

Running head: EYE GAZE, PUPIL DILATION, AND BLINK RATE

Submission to Special Issue of *Developmental Cognitive Neuroscience* on Sensitive Periods in Brain Development (Editors: Blakemore, Crone, Cohen Kadosh, and Steinbeis)

Beyond eye gaze: What else can eyetracking reveal about cognition and cognitive development?

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#### **Highlights**:

- Eyetracking measures provide non-invasive and rich indices of brain function and cognition
- Gaze analysis reveals current attentional focus and cognitive strategies
- Pupil dilation is modulated by norepinephrine and reflects mental effort
- Spontaneous blink rate is modulated by dopamine, which is involved in learning and goaloriented behavior
- Ocular measures can provide insights regarding cognition and cognitive development

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