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Laurent Perrin - Montreal AI and Neuroscience, Dec 13th, 2025 - Montréal, Québec

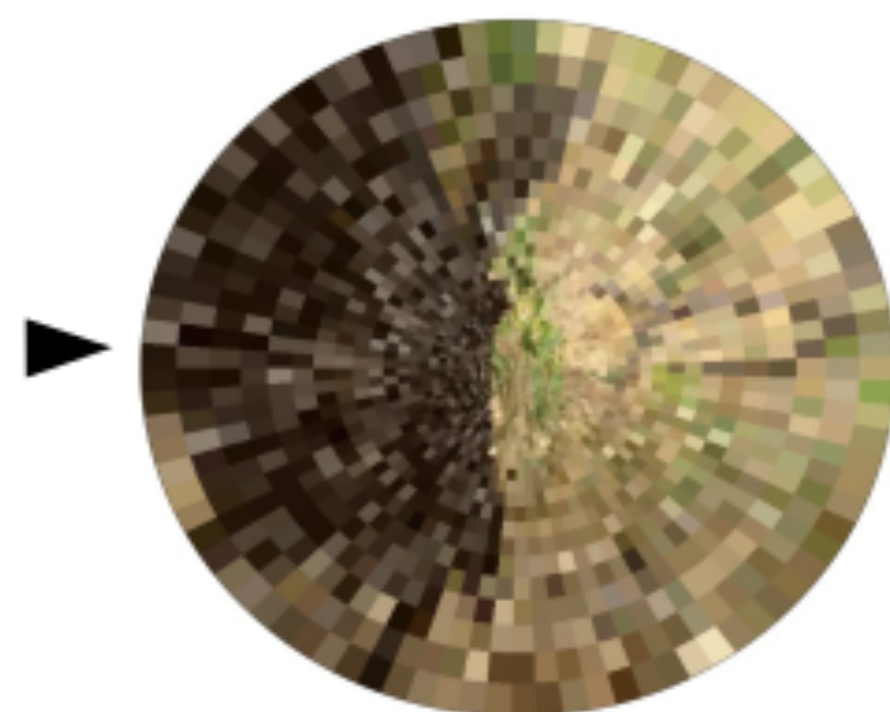


From seeing to looking: the halfway

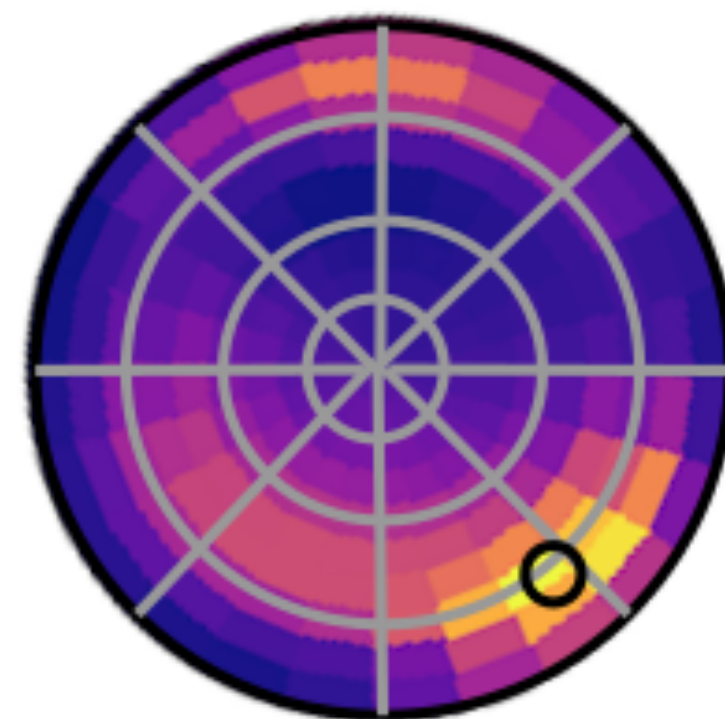
(A)
Large display



(B)
Log-polar input



(C)
Likelihood map



(D)
Saccade system



(E)
Foveal input

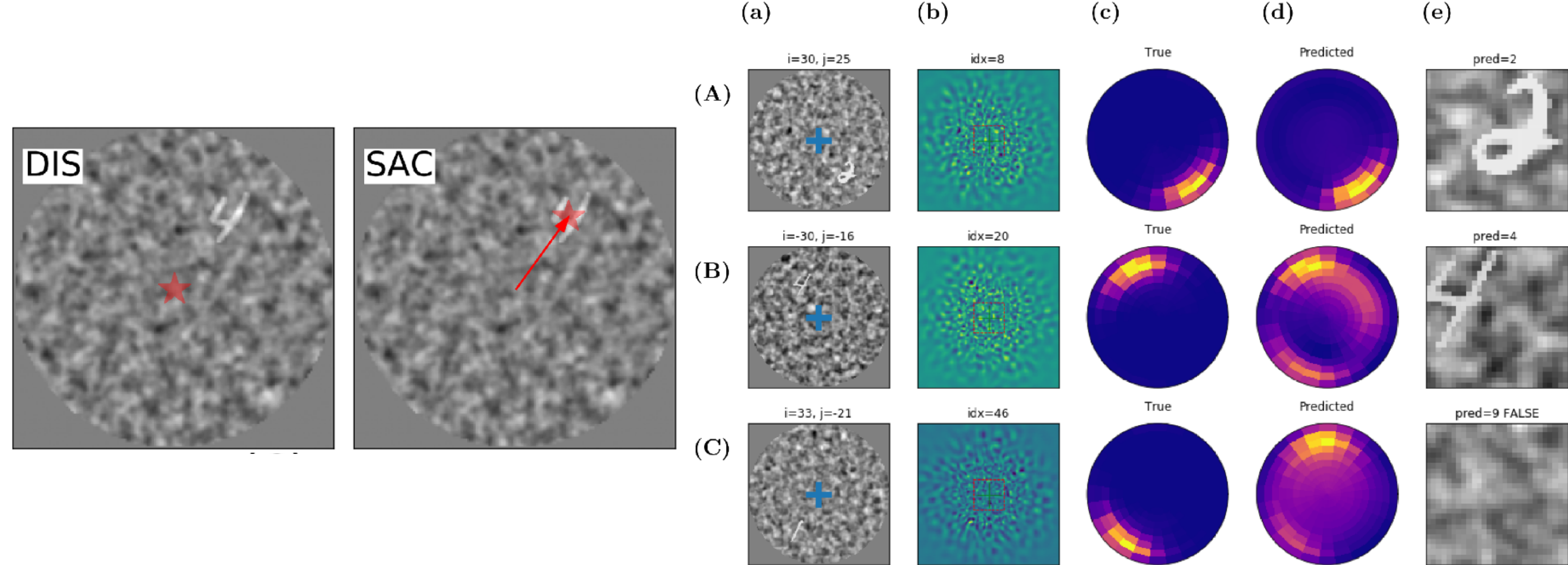


(F)
**CNNs image
classification task**

Peripheral
pathway

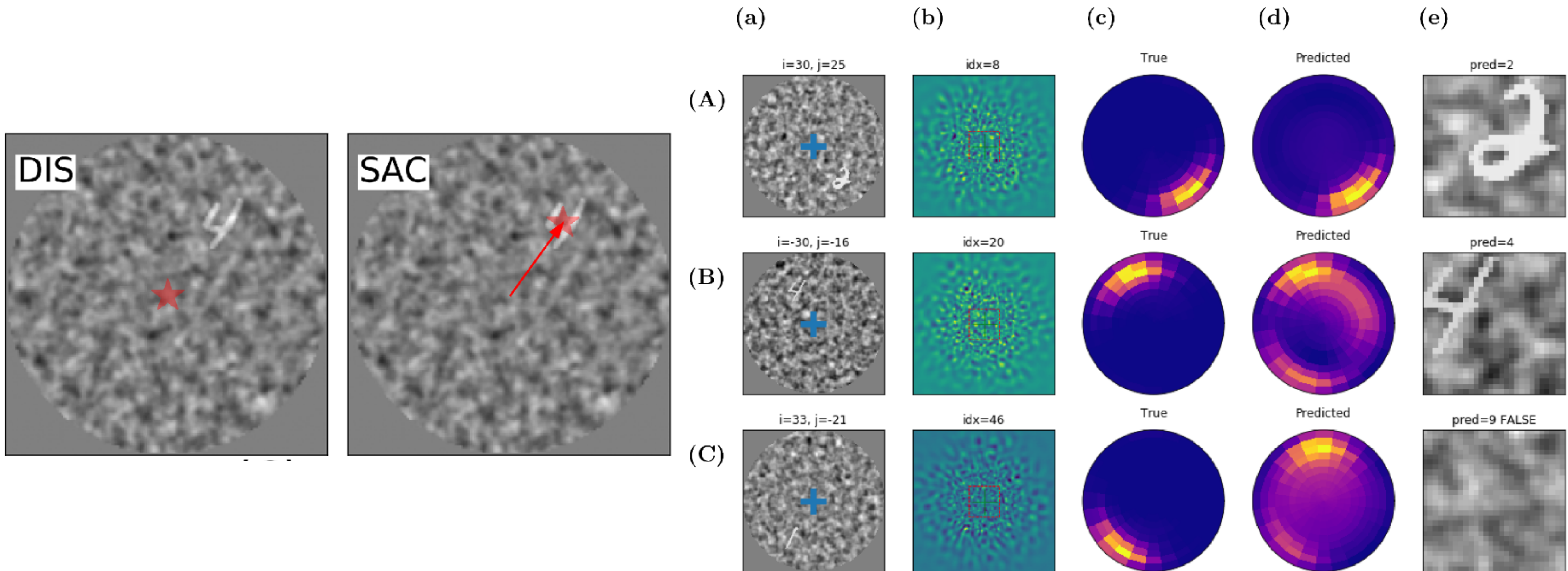
Foveal
pathway





A dual foveal-peripheral visual processing model implements efficient saccade selection *Daucé; Albiges; LP Journal of Vision (2020)*

From seeing to looking: the where pathway



A dual foveal-peripheral visual processing model implements efficient saccade selection *Daucé; Albiges; LP* Journal of Vision (2020)

A New Look for Convolutional Deep Networks

