

# Surprise Decoding from the Retinal Activity

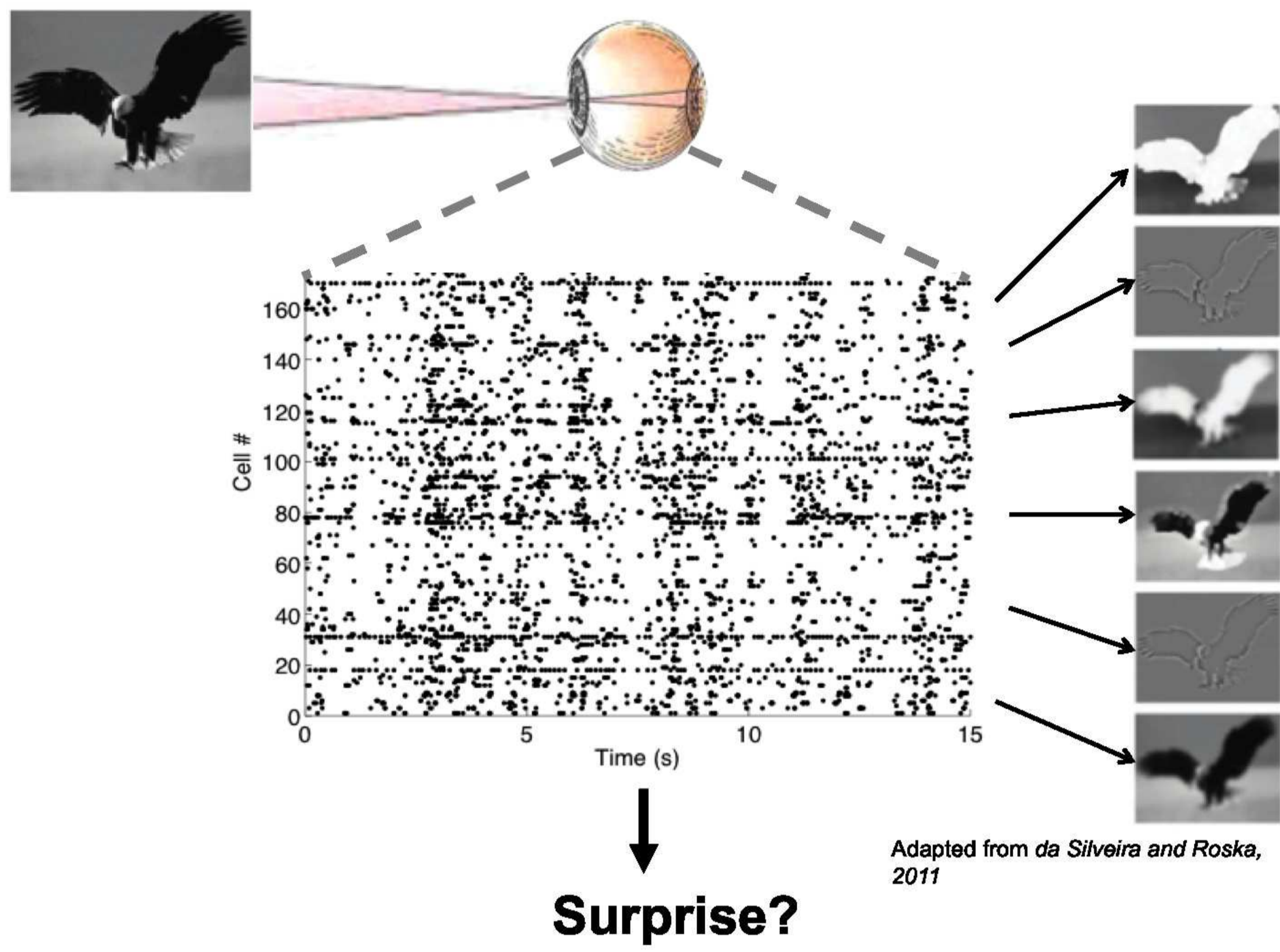
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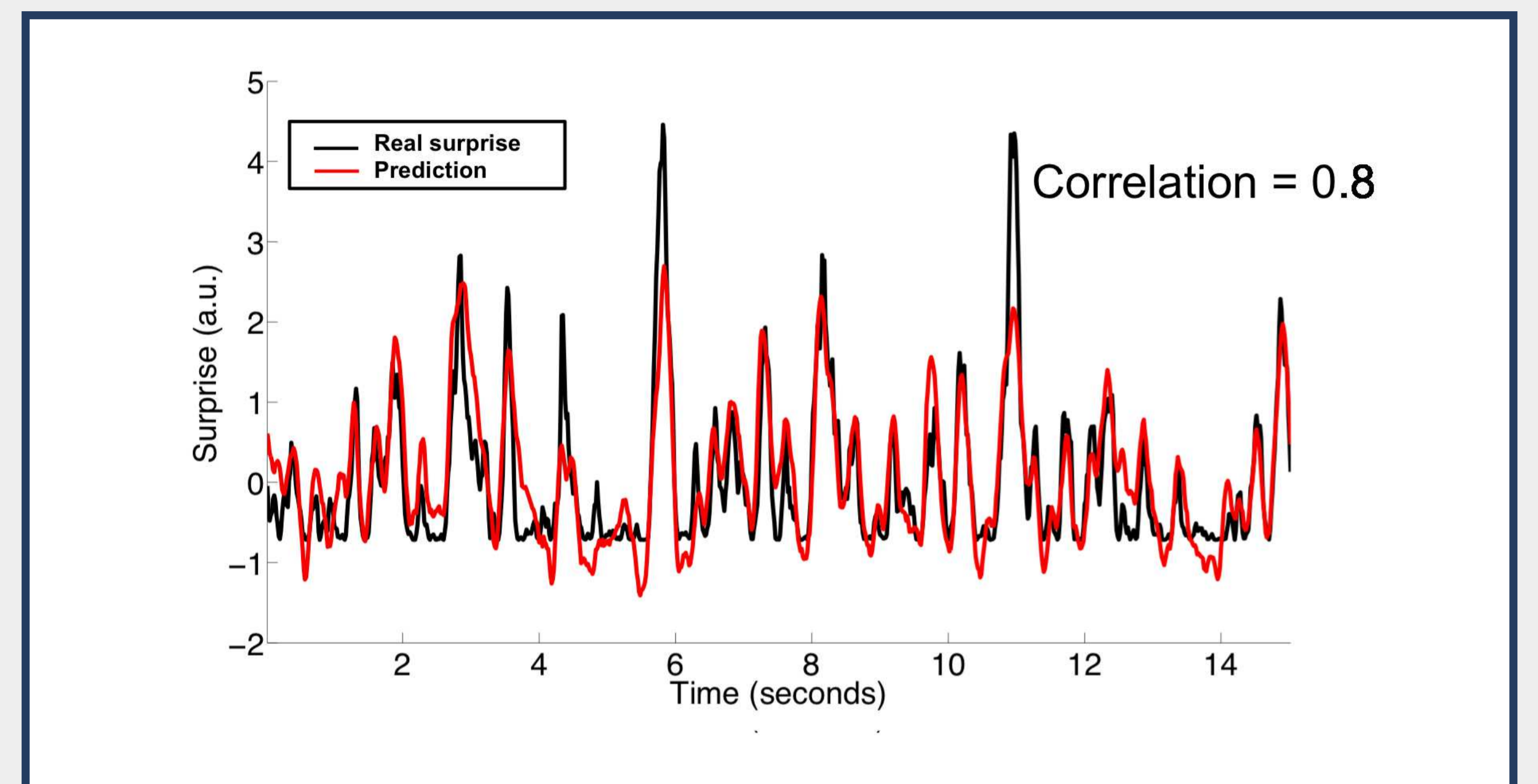
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## ■ Problematic

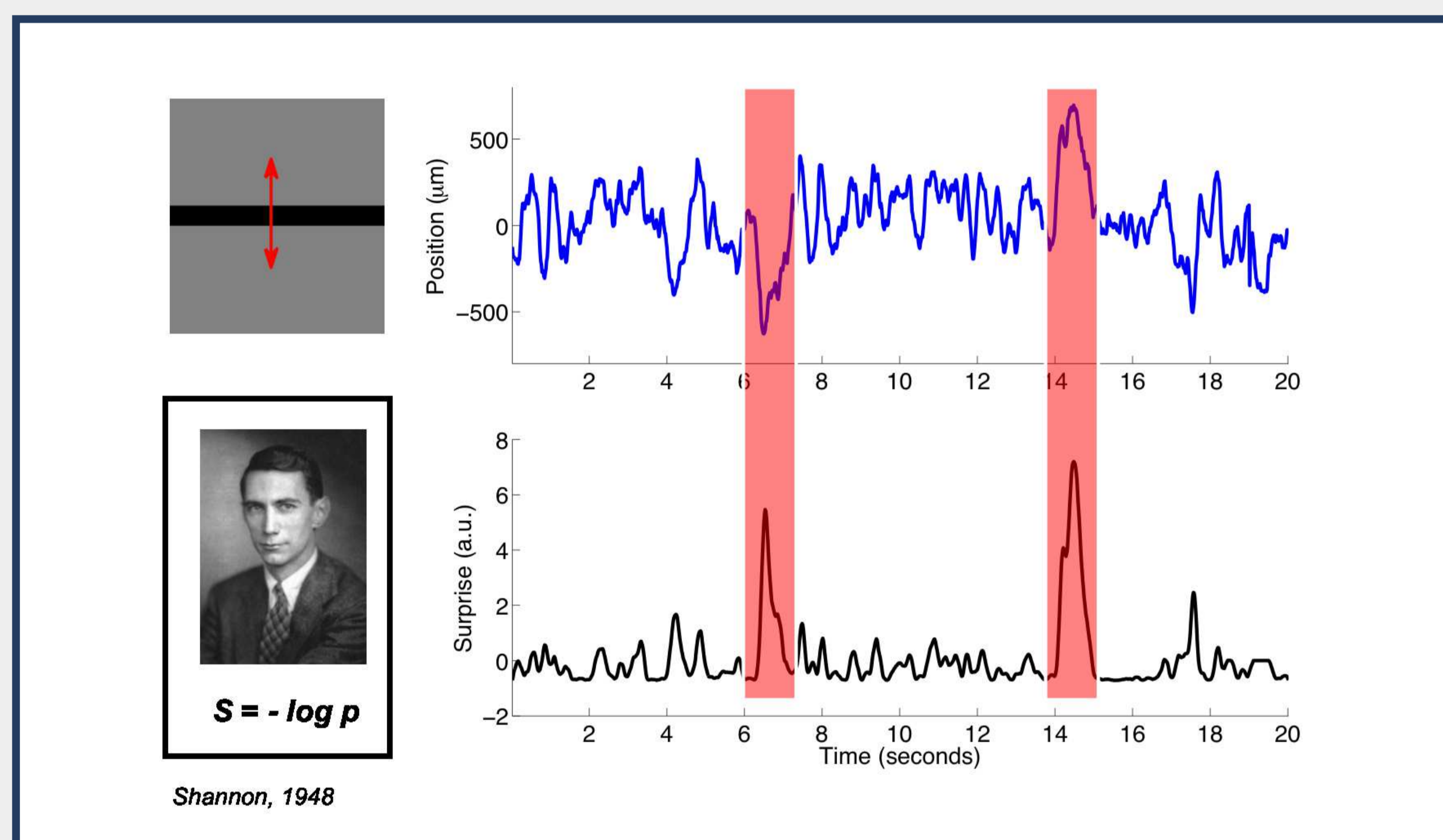
Could the eye tell the brain how surprising the visual scene is ?



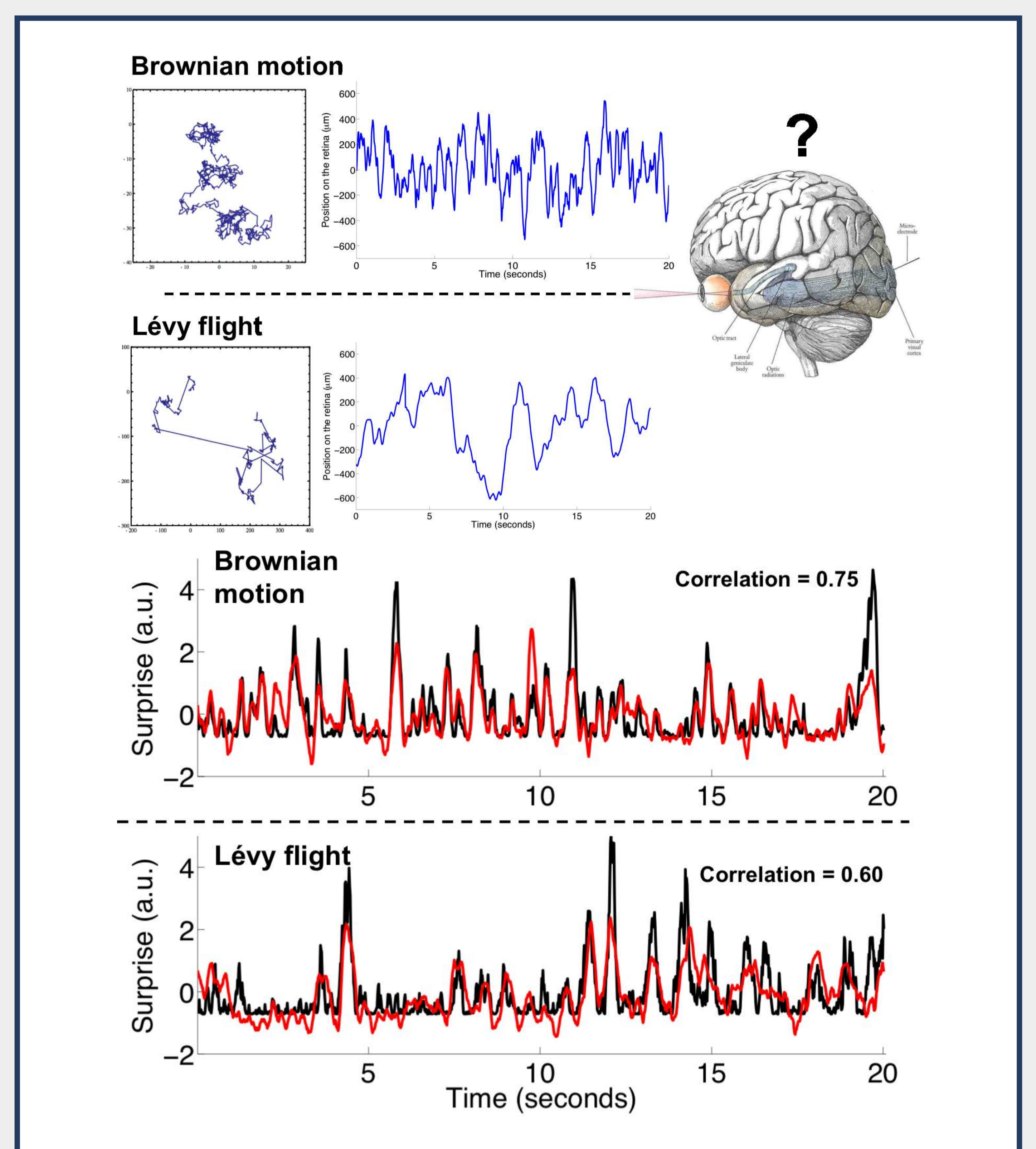
## ■ A powerful decoder !



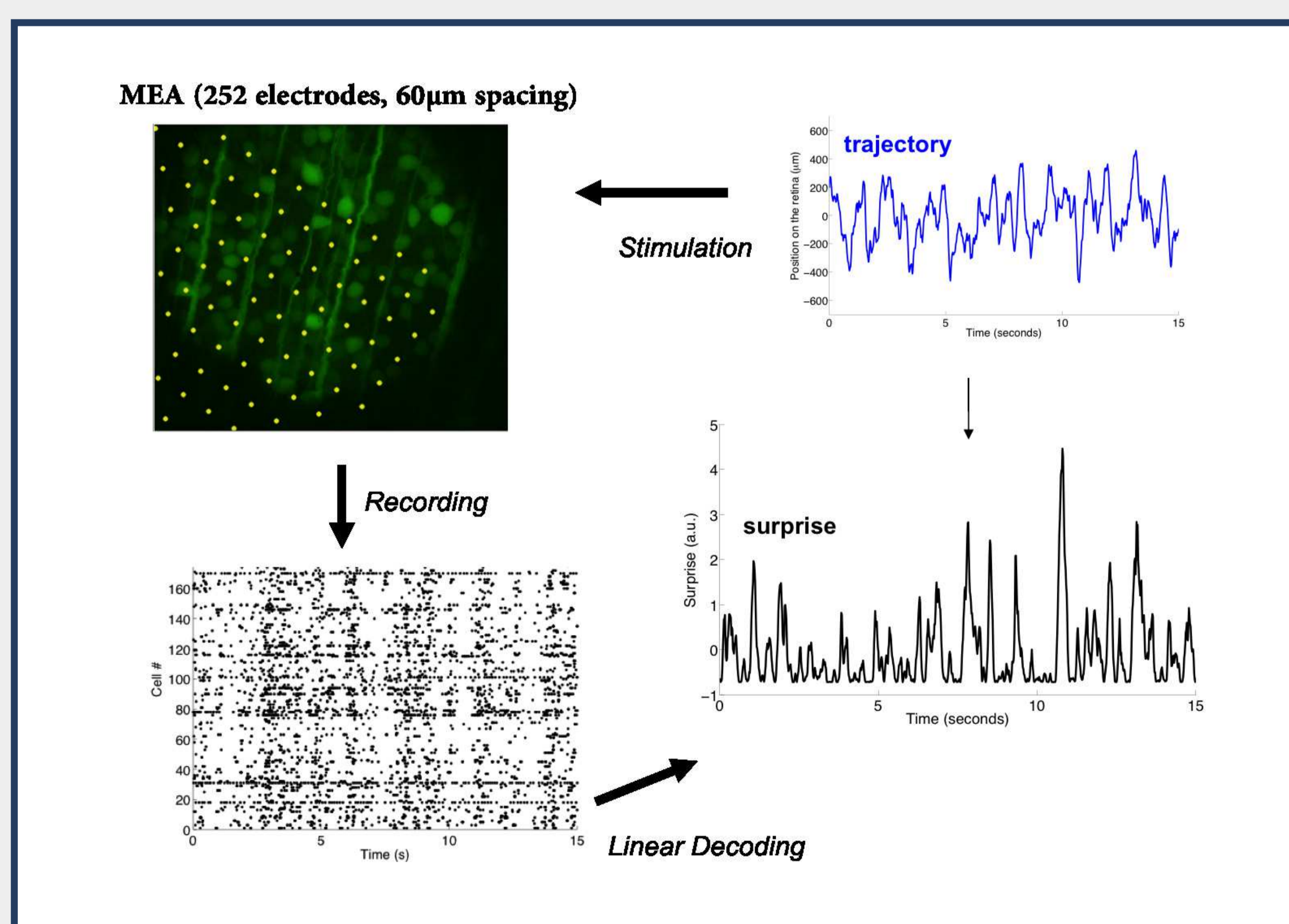
## ■ A formal definition for surprise



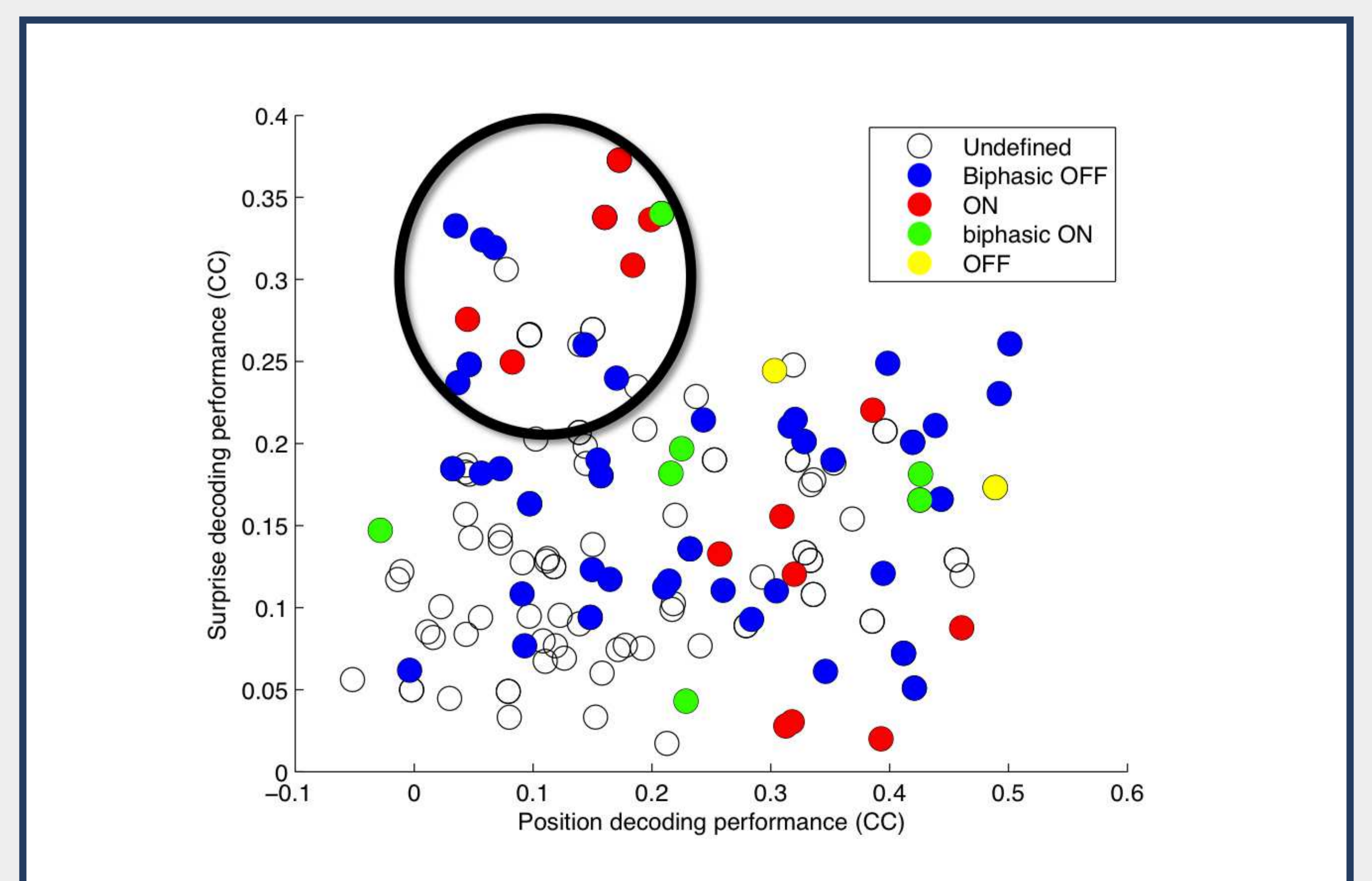
## ■ And for other natural motions ?



## ■ Experimental approach



## ■ Cells dedicated to surprise ?



## ■ Acknowledgments



This work was supported by the Région Ile-de-France within the framework of the DIM Cerveau & Pensée, and by the ANR OPTIMA to O. Marre.

