



Computer vision

PDE's and variational approaches to solve computer vision tasks

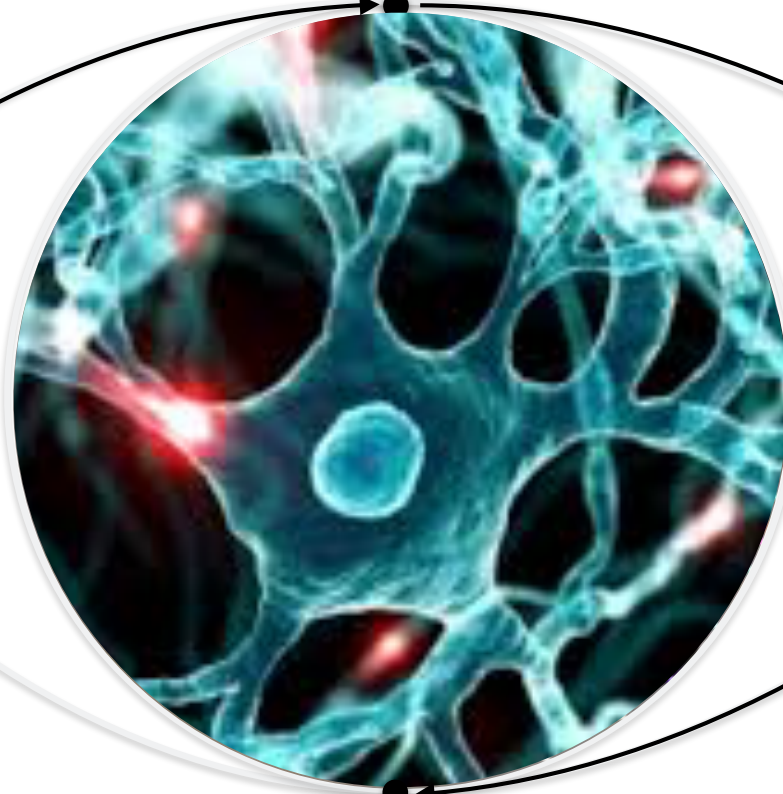
Mathematics





Computer vision

Mathematics

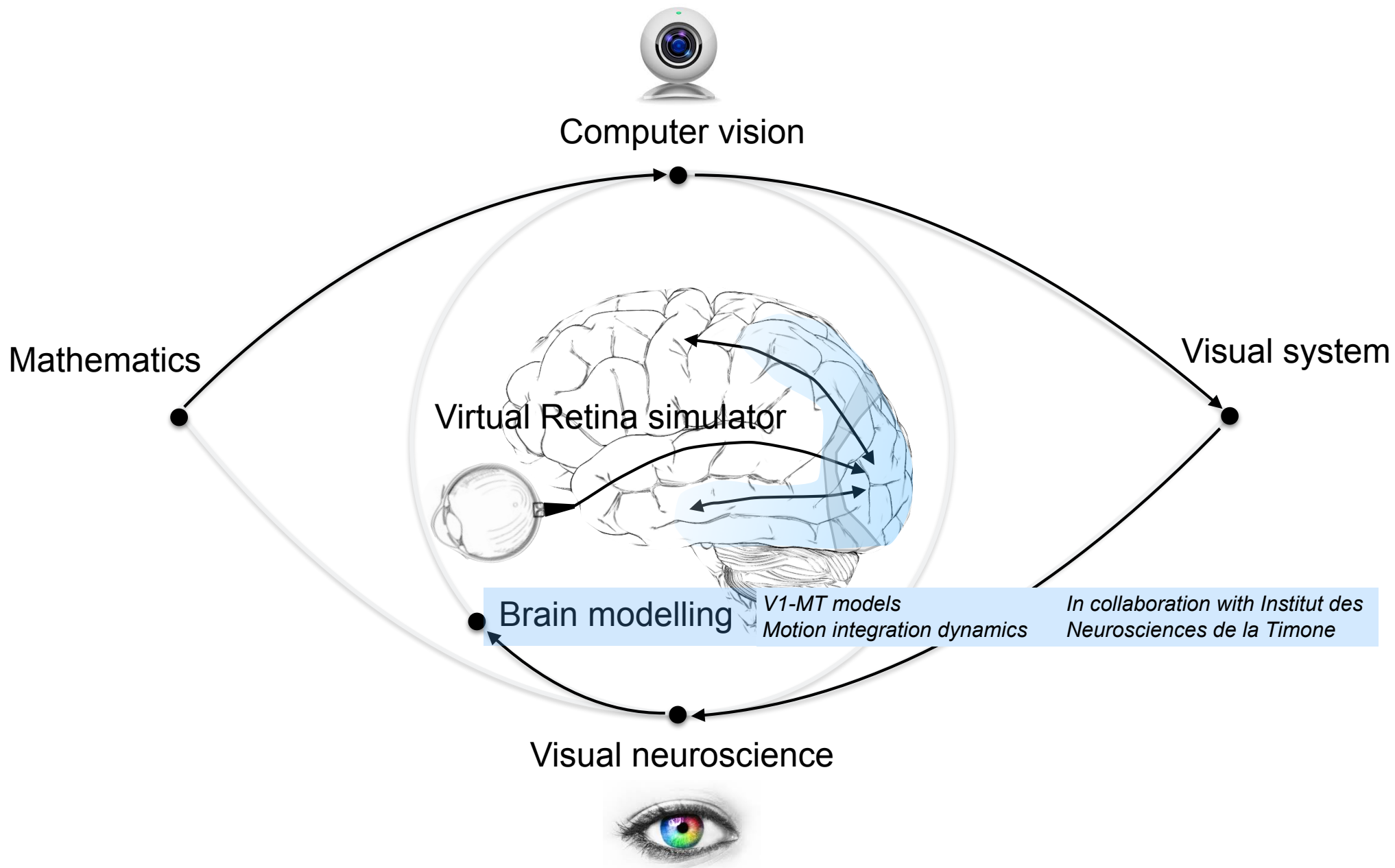


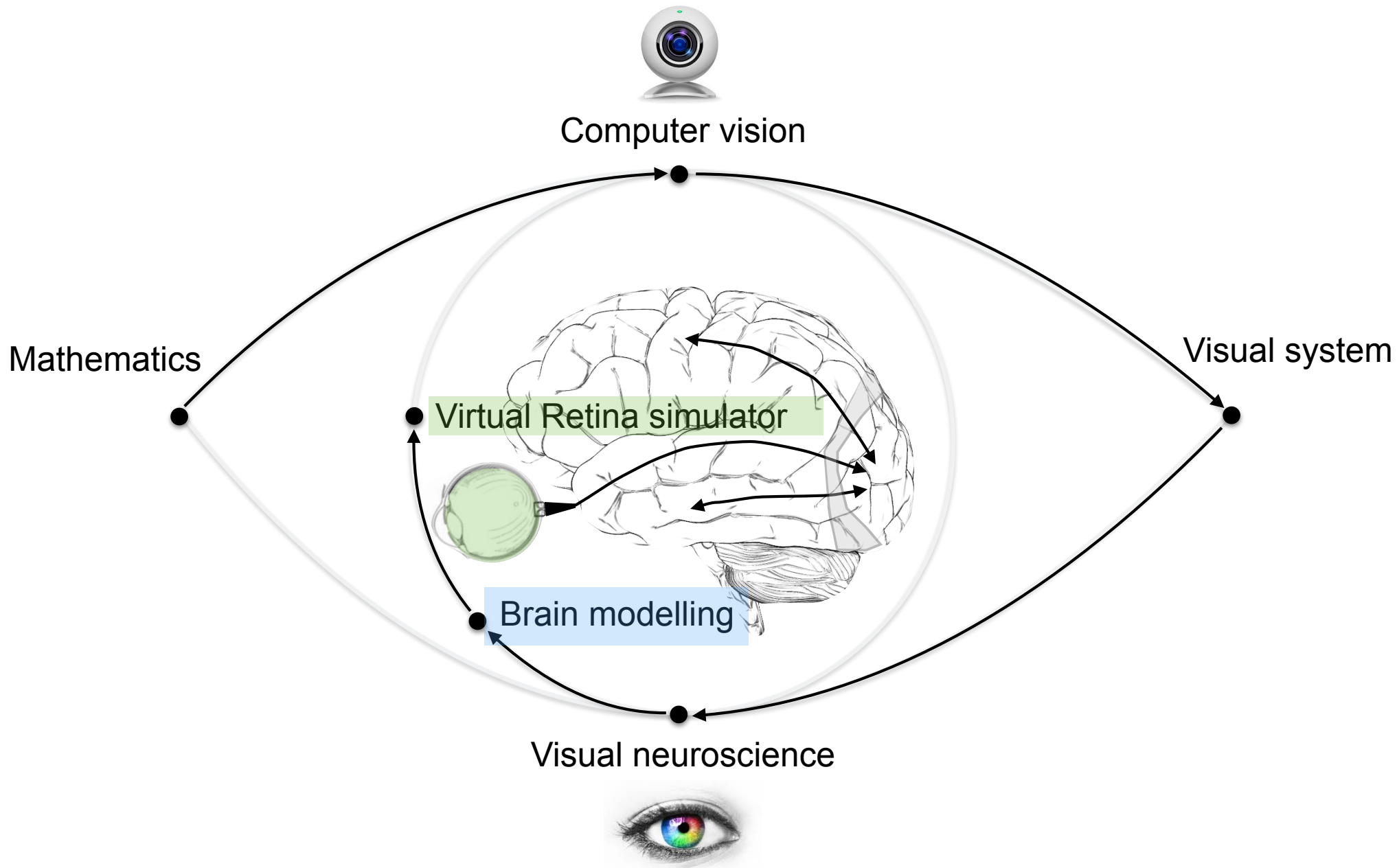
Visual system

*Understand how
visual system works*

Visual neuroscience

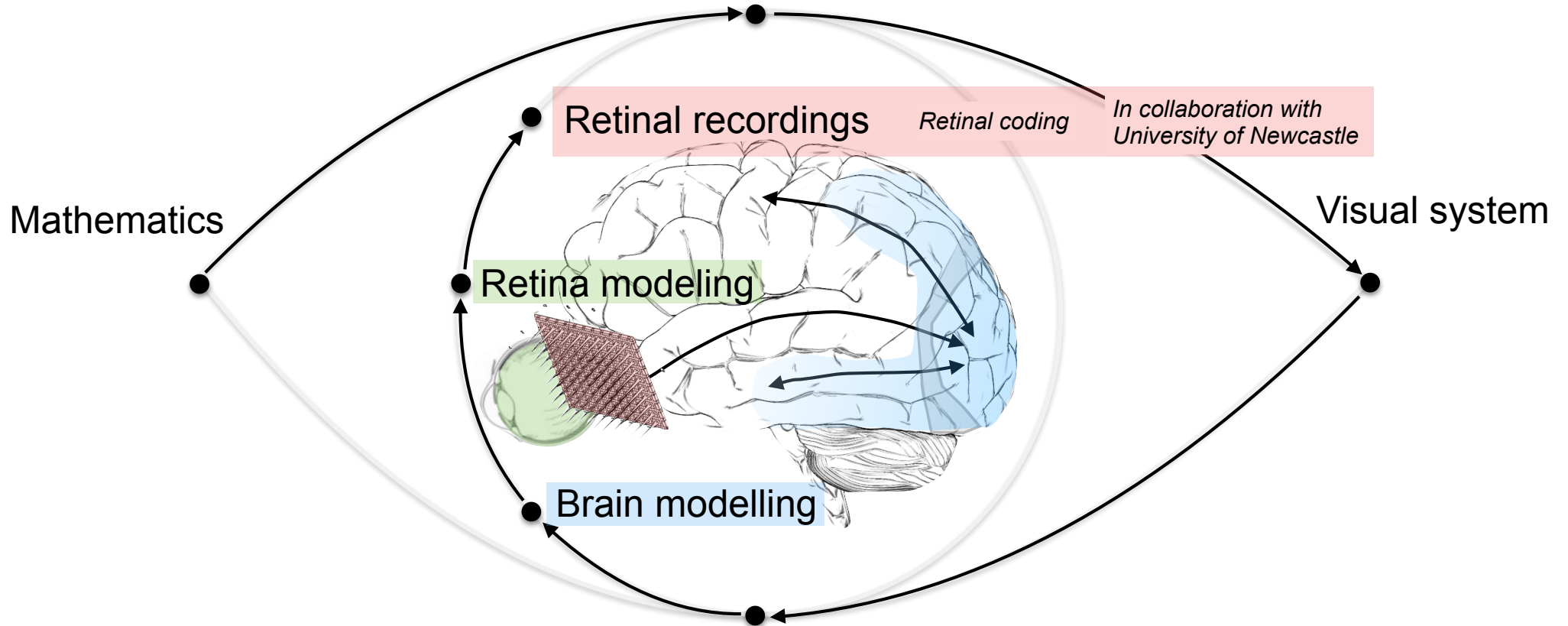








Computer vision



Retinal recordings

Retinal coding

In collaboration with
University of Newcastle

Mathematics

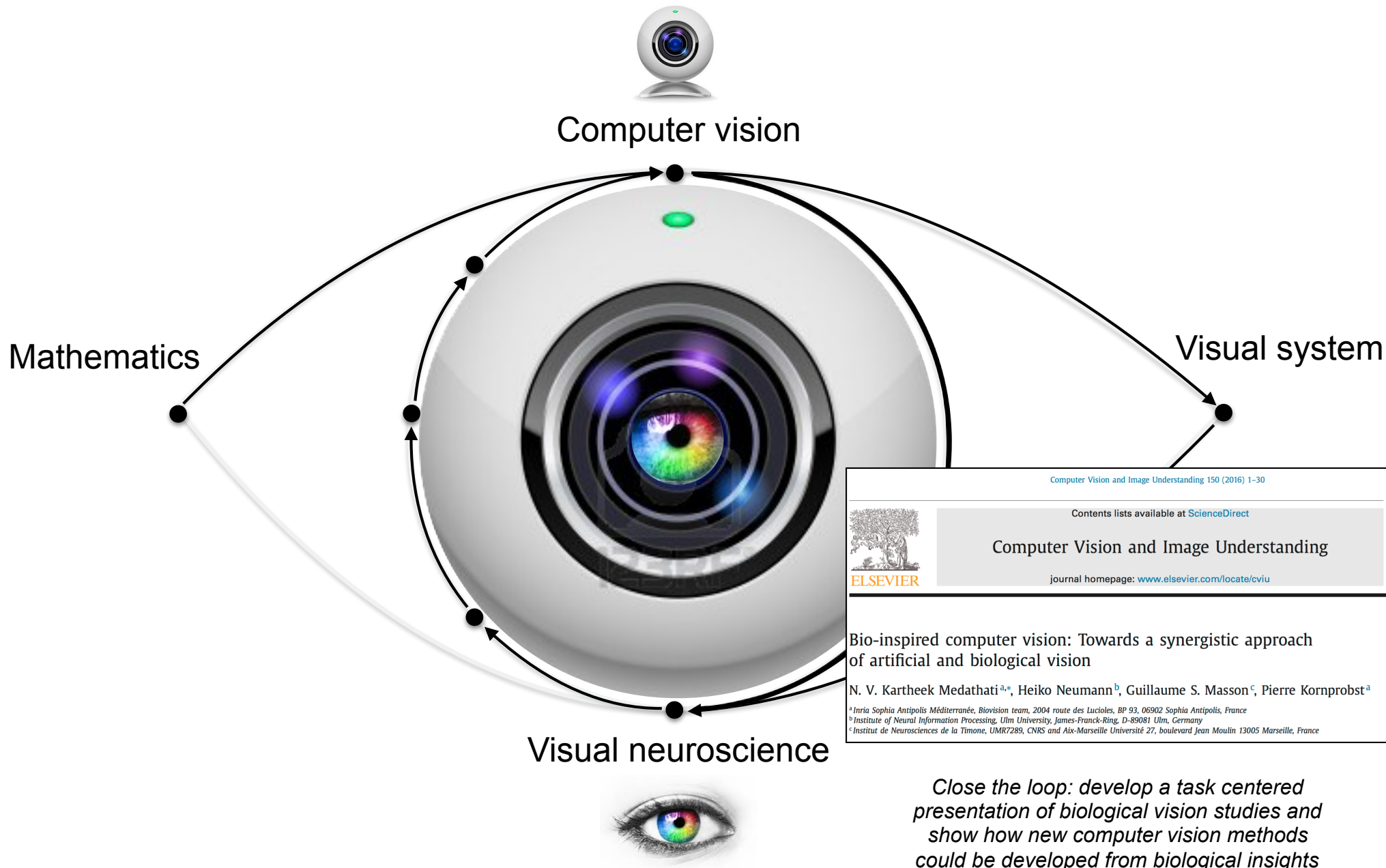
Retina modeling

Visual system

Brain modelling

Visual neuroscience





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Bio-inspired computer vision: Towards a synergistic approach of artificial and biological vision

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Close the loop: develop a task centered presentation of biological vision studies and show how new computer vision methods could be developed from biological insights



Computer vision

Mathematics

Visual system



Visual neuroscience



Ongoing...