



Visualizing Networks and Interactions

Primer Talk

Seán O'Donoghue

CSIRO & Garvan Institute for Medical Research, Australia

Central dogma

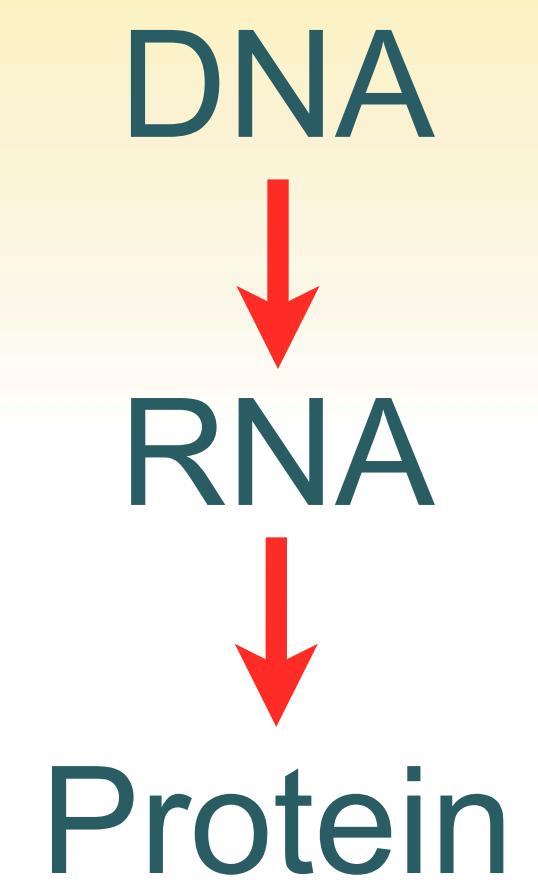
DNA



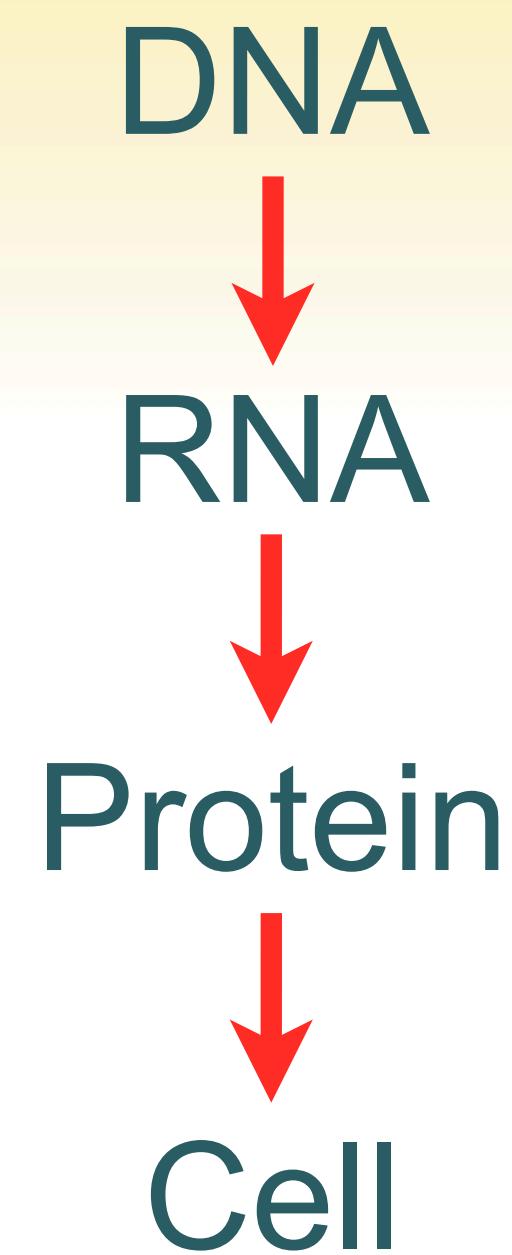
Central dogma

DNA
↓
RNA

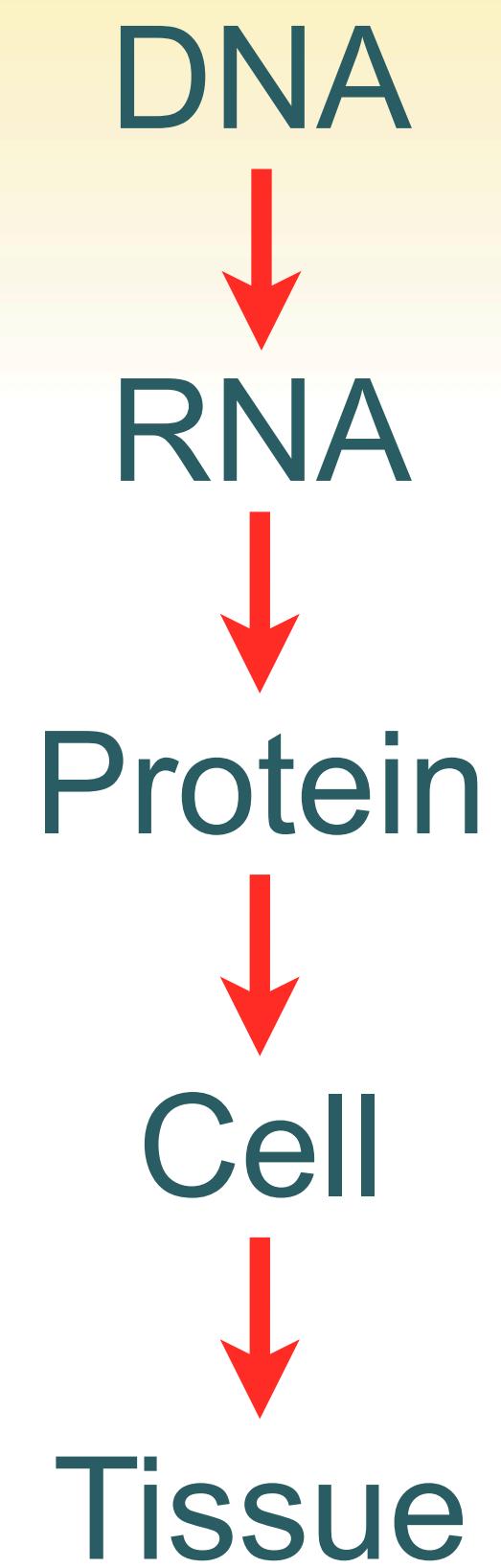
Central dogma



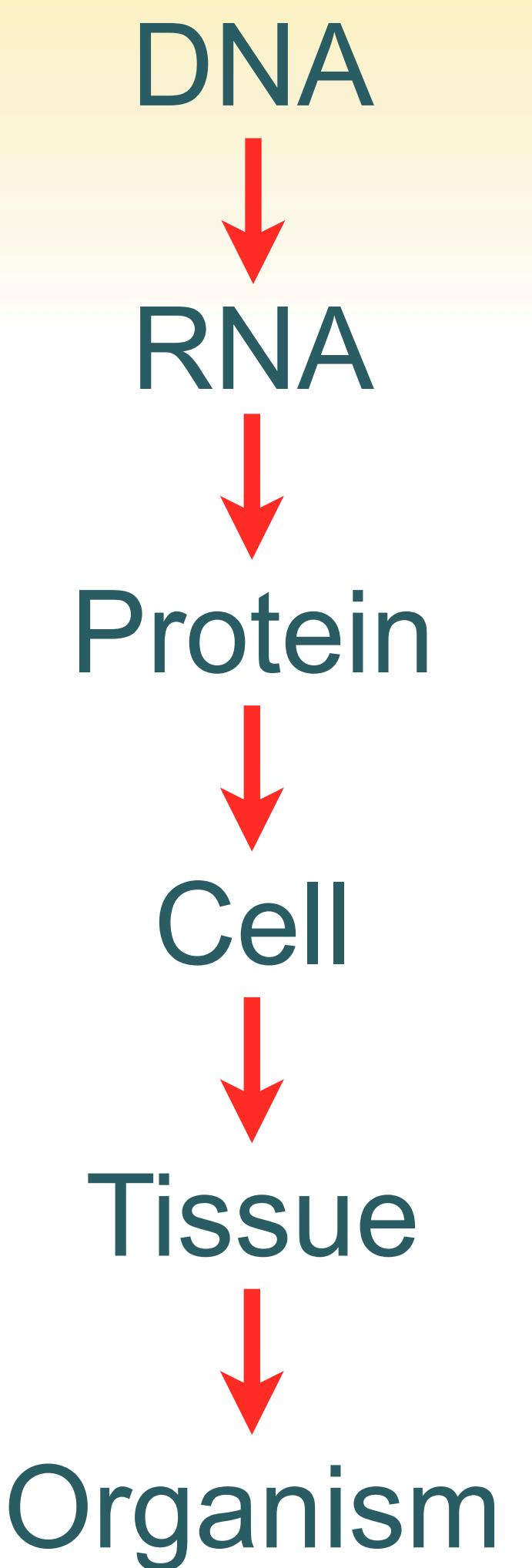
Central dogma



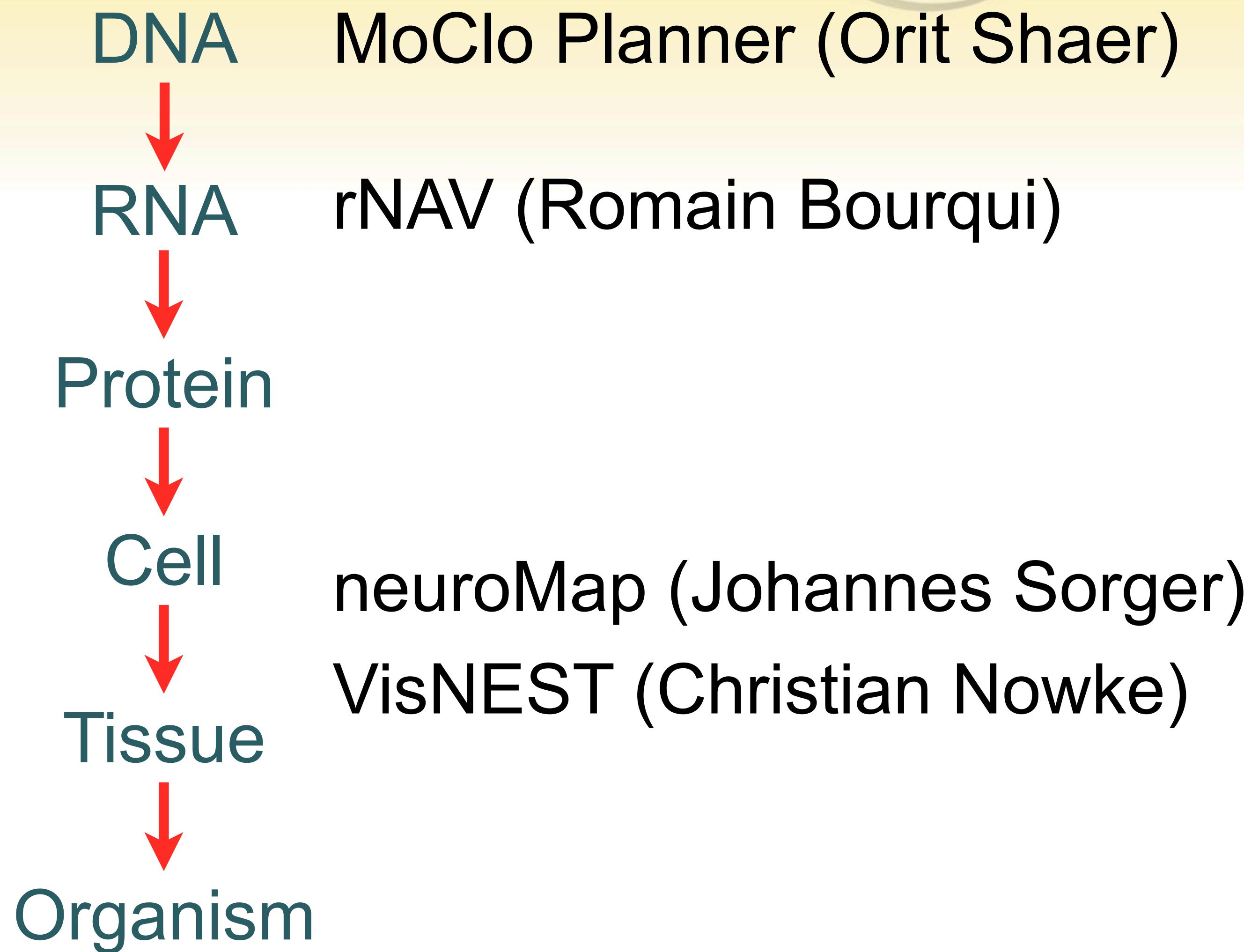
Central dogma



Central dogma



Session papers

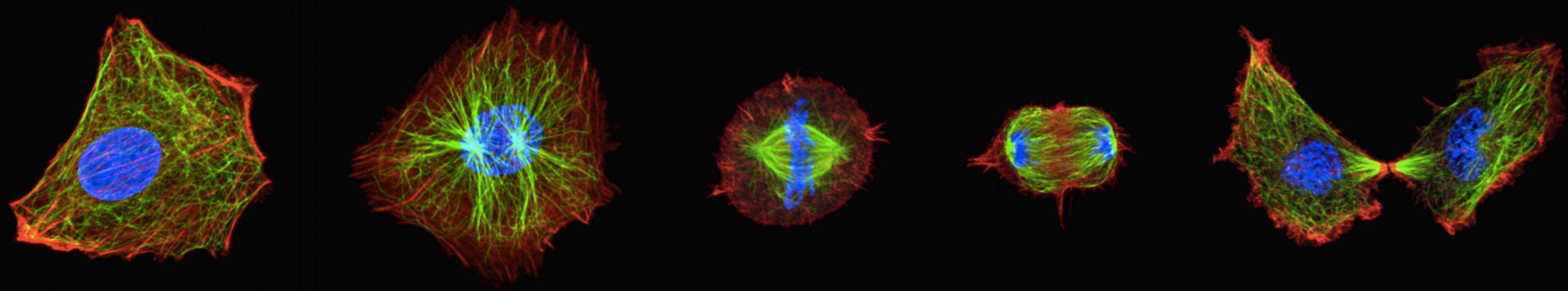


DNA

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restriction enzymes



www.mitocheck.org.

Synthetic biology

Modify *E. coli* to fight cancer

Anderson et al. J. Mol. Biol. (2006)

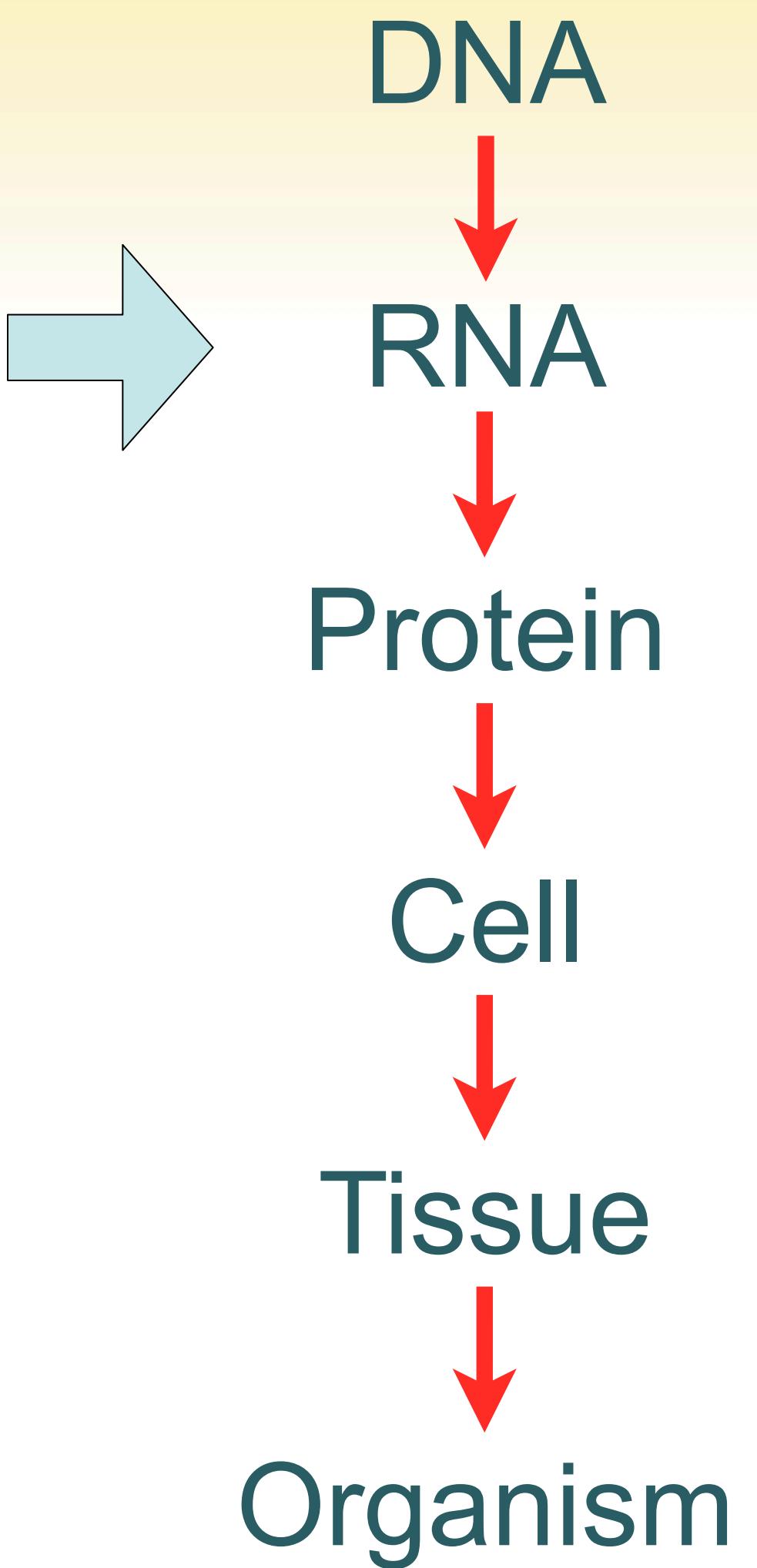


Animation: C. Hammang - O'Donoghue Lab

Modular Cloning

MoClo Planner (Orit Shaer)

Central dogma





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RNA

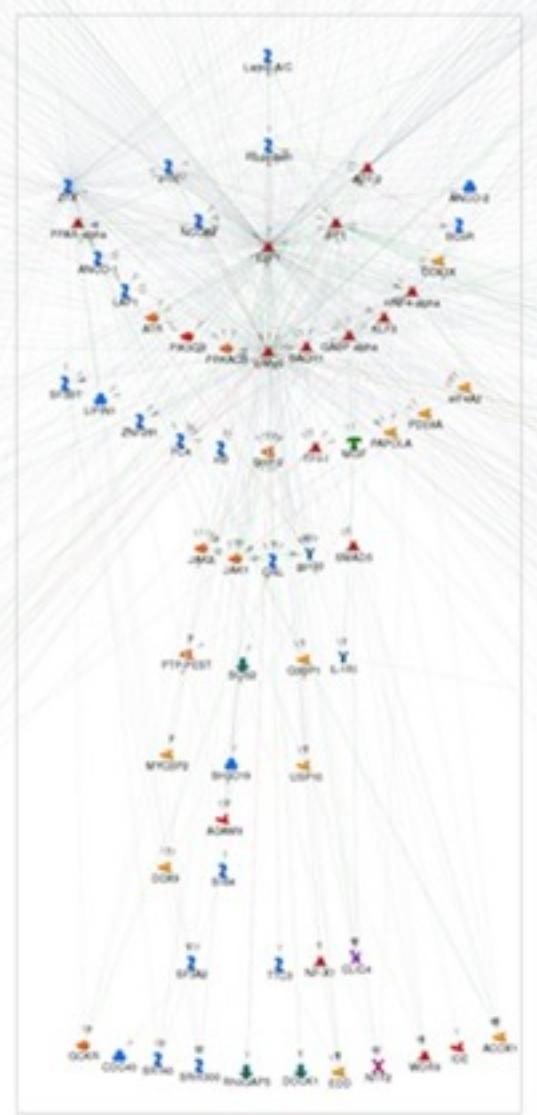
transcription

E2F1



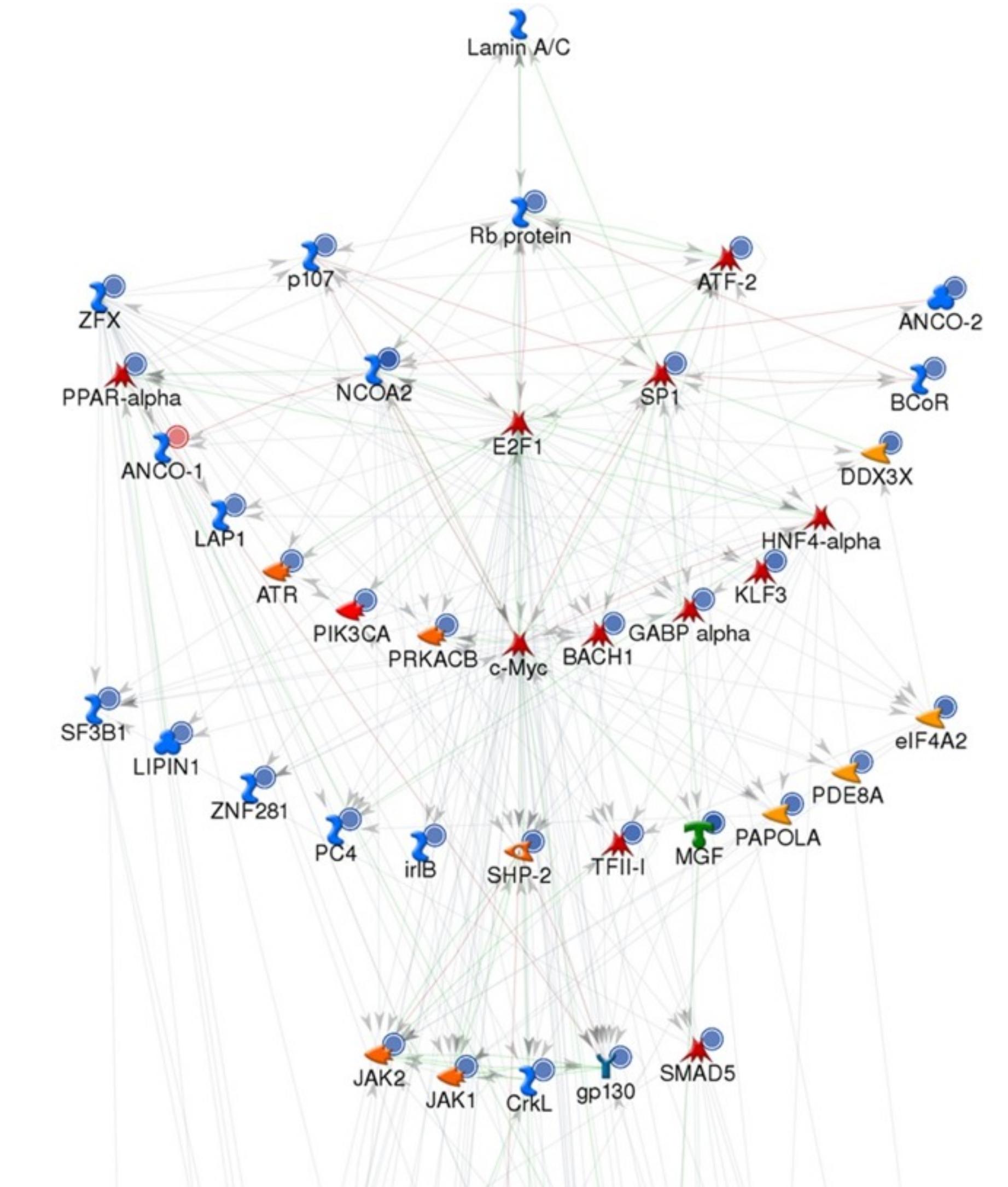
DNA repair

ATF-2



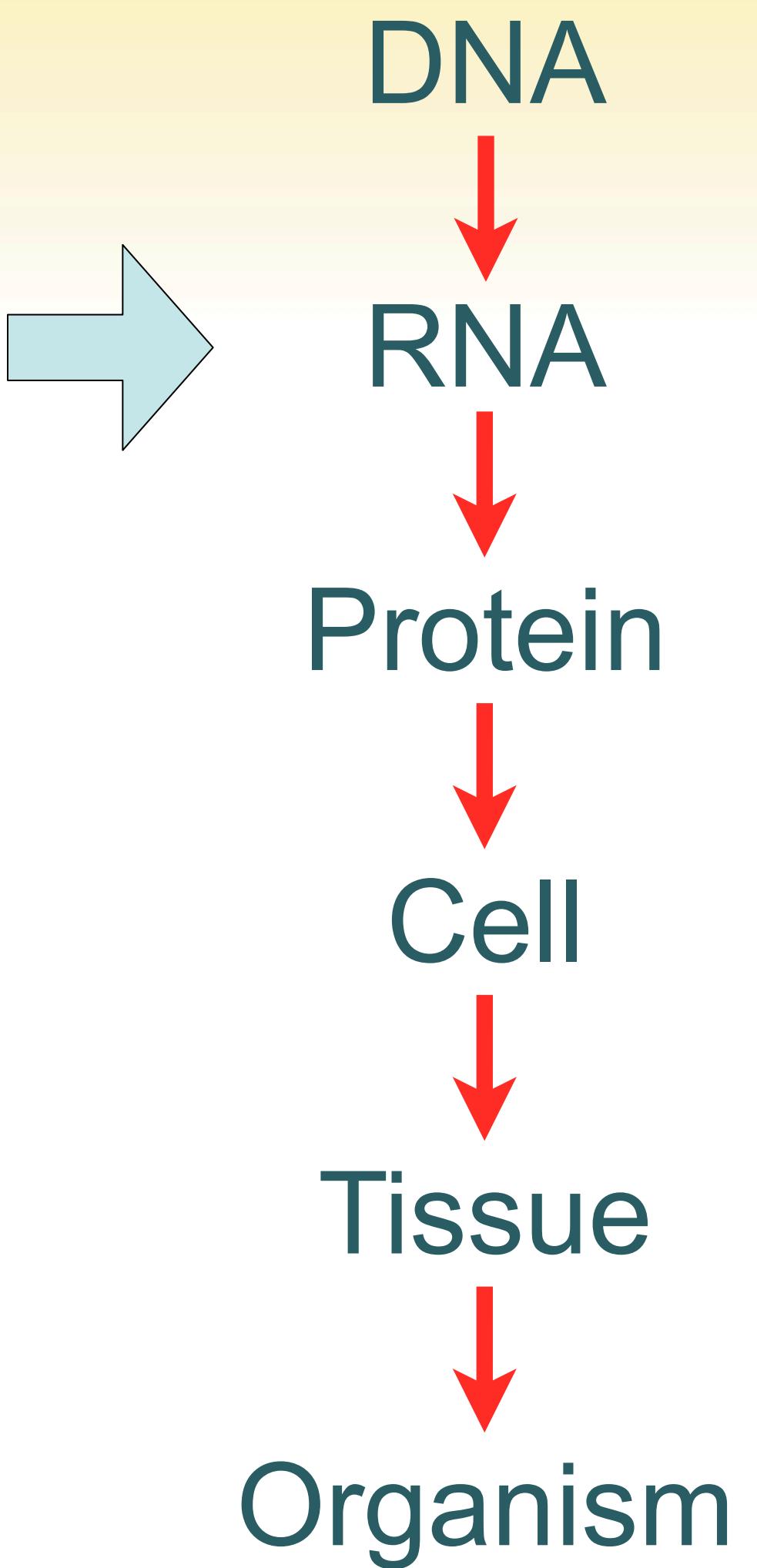
Motility

Regulation



Marji, O'Donoghue et al., PLoS One (2010)

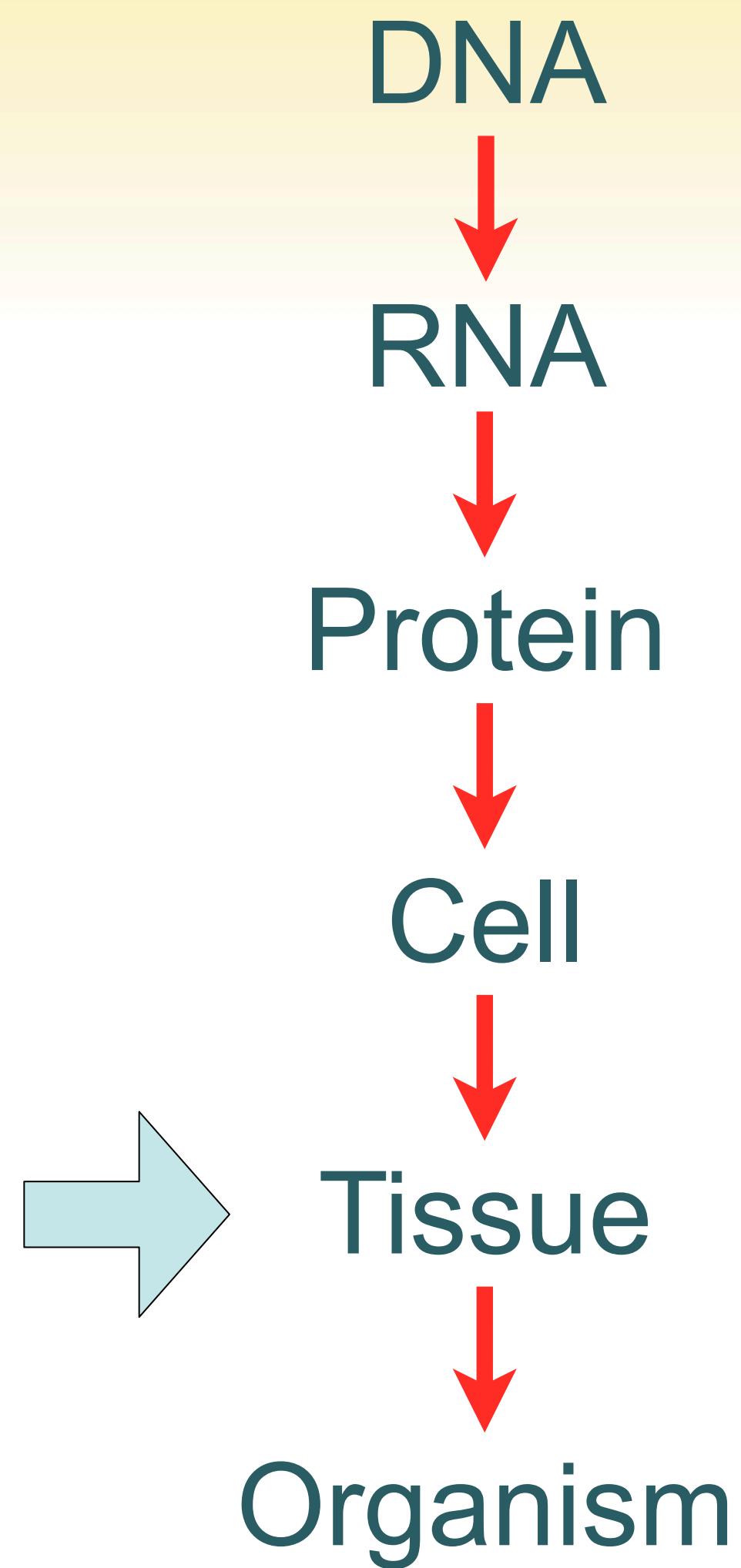
Central dogma

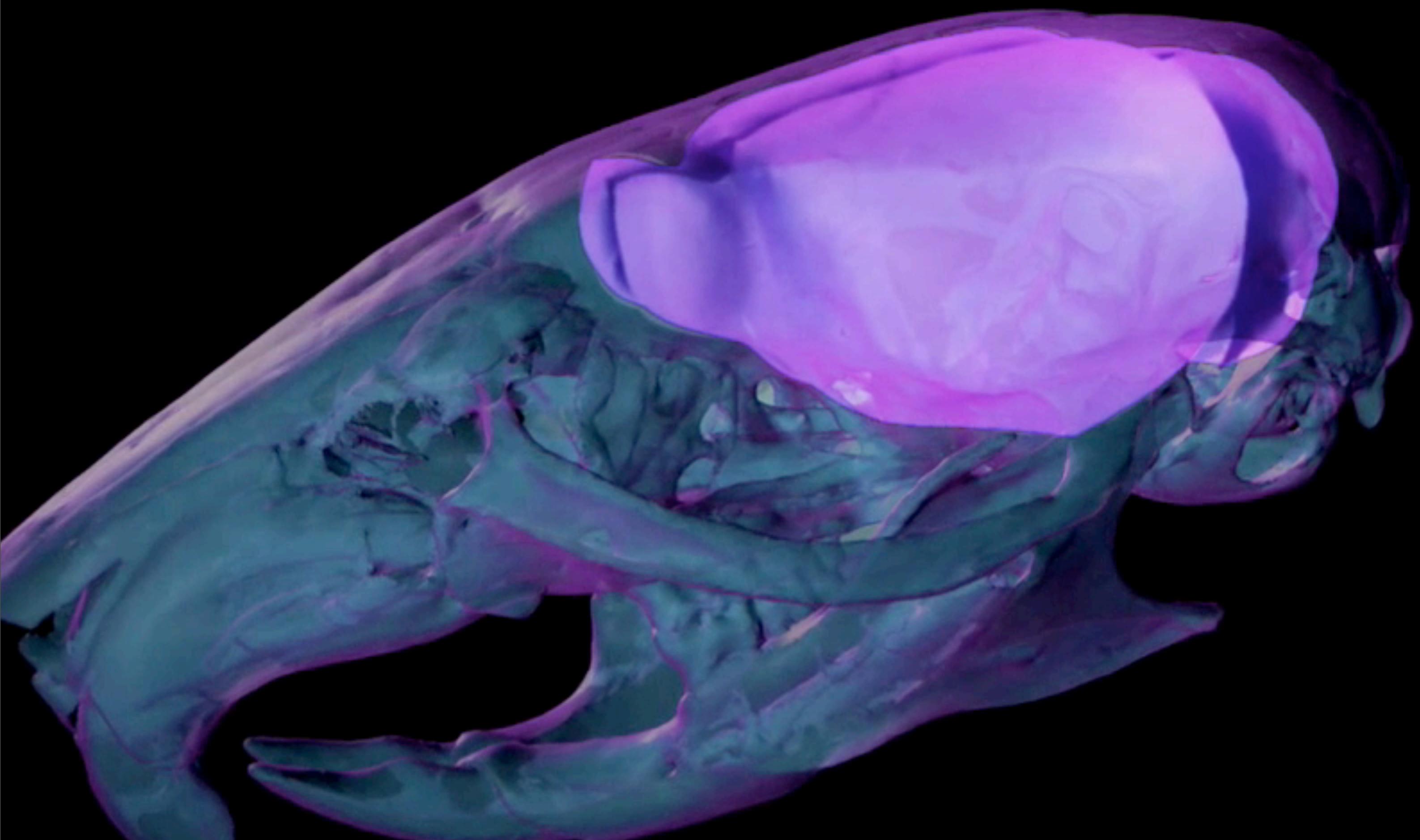


sRNA

rNAV (Romain Bourqui)

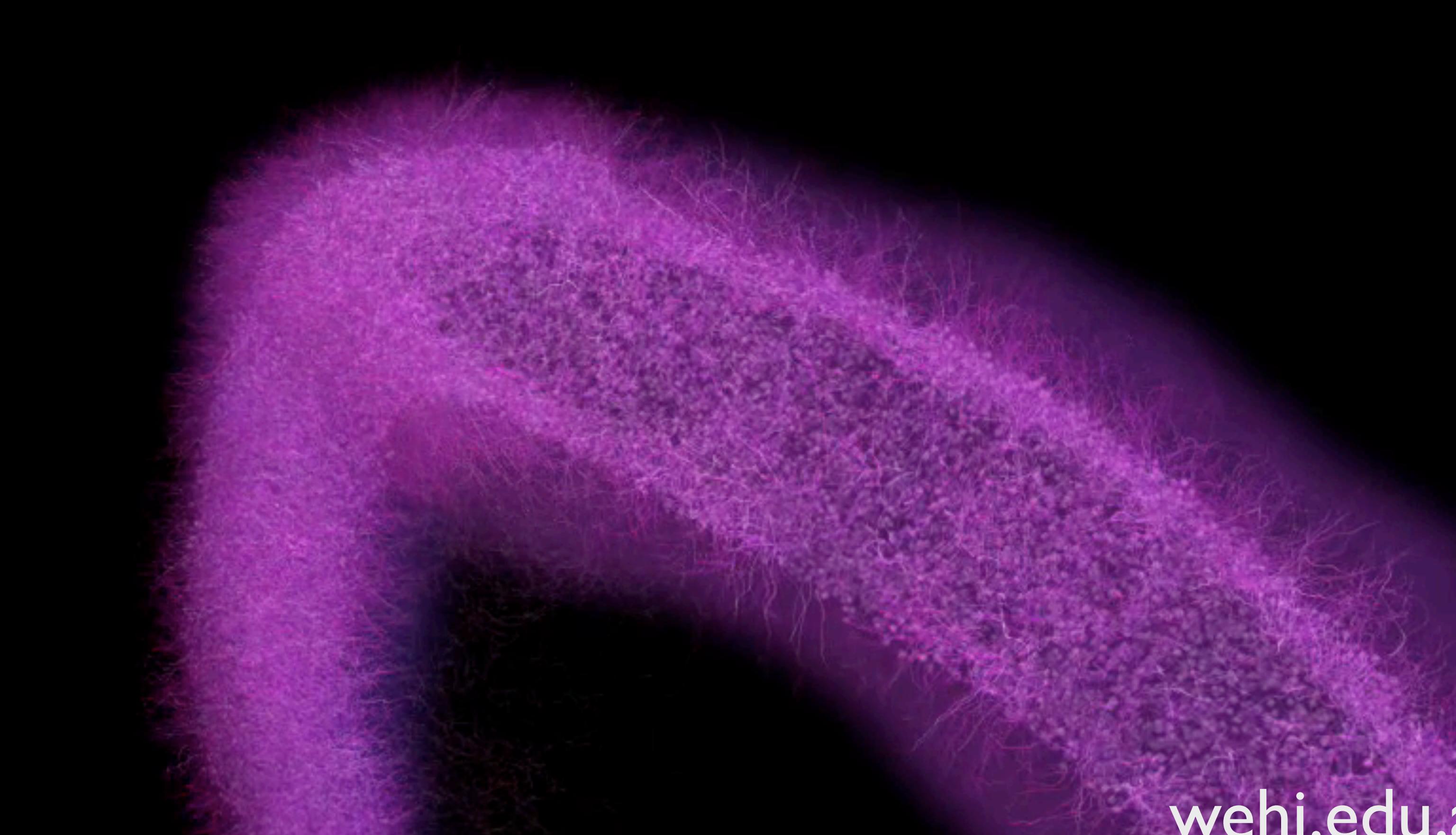
Central dogma





Brain

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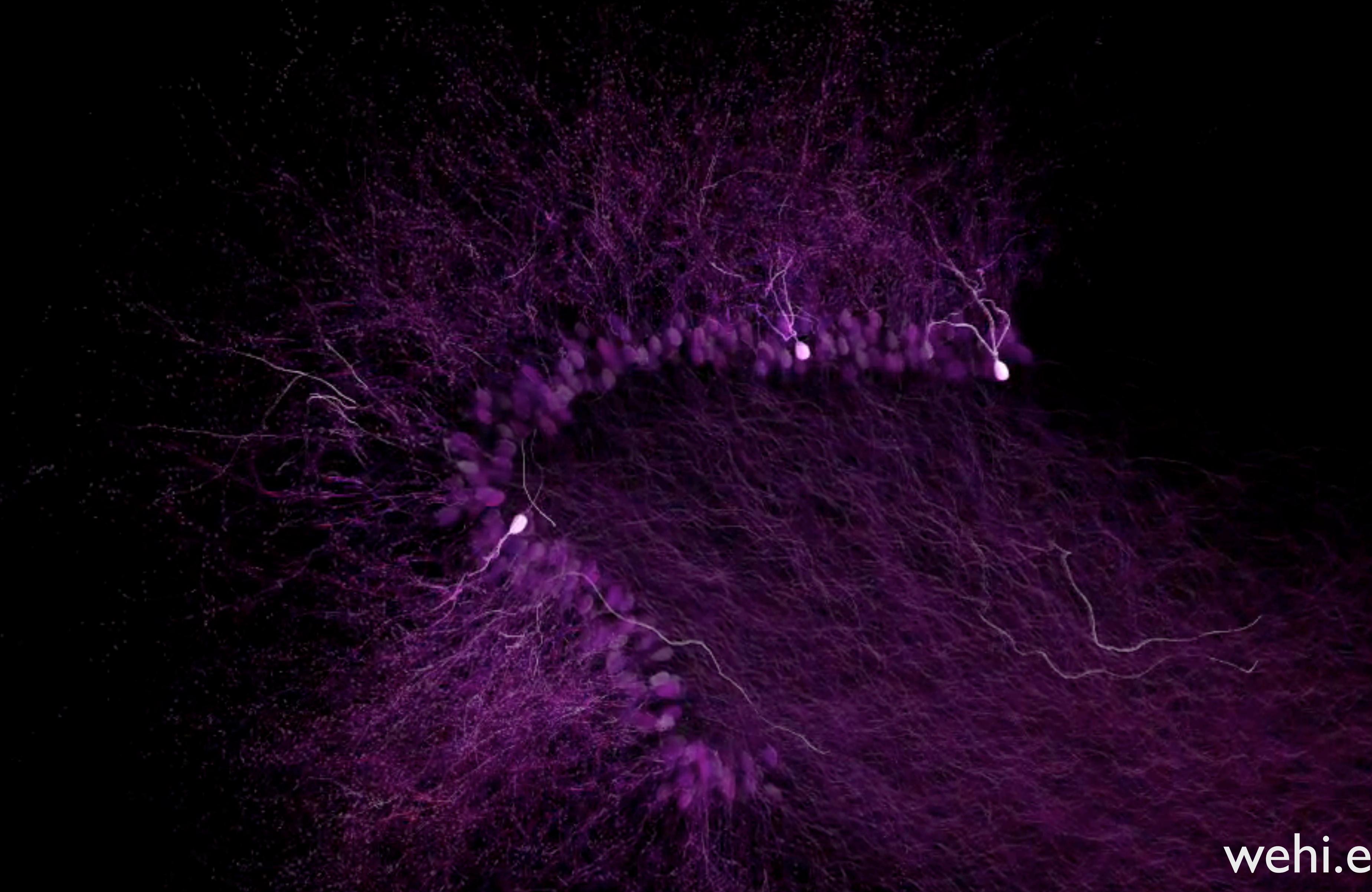


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Neural Activity

VisNEST (Christian Nowke)

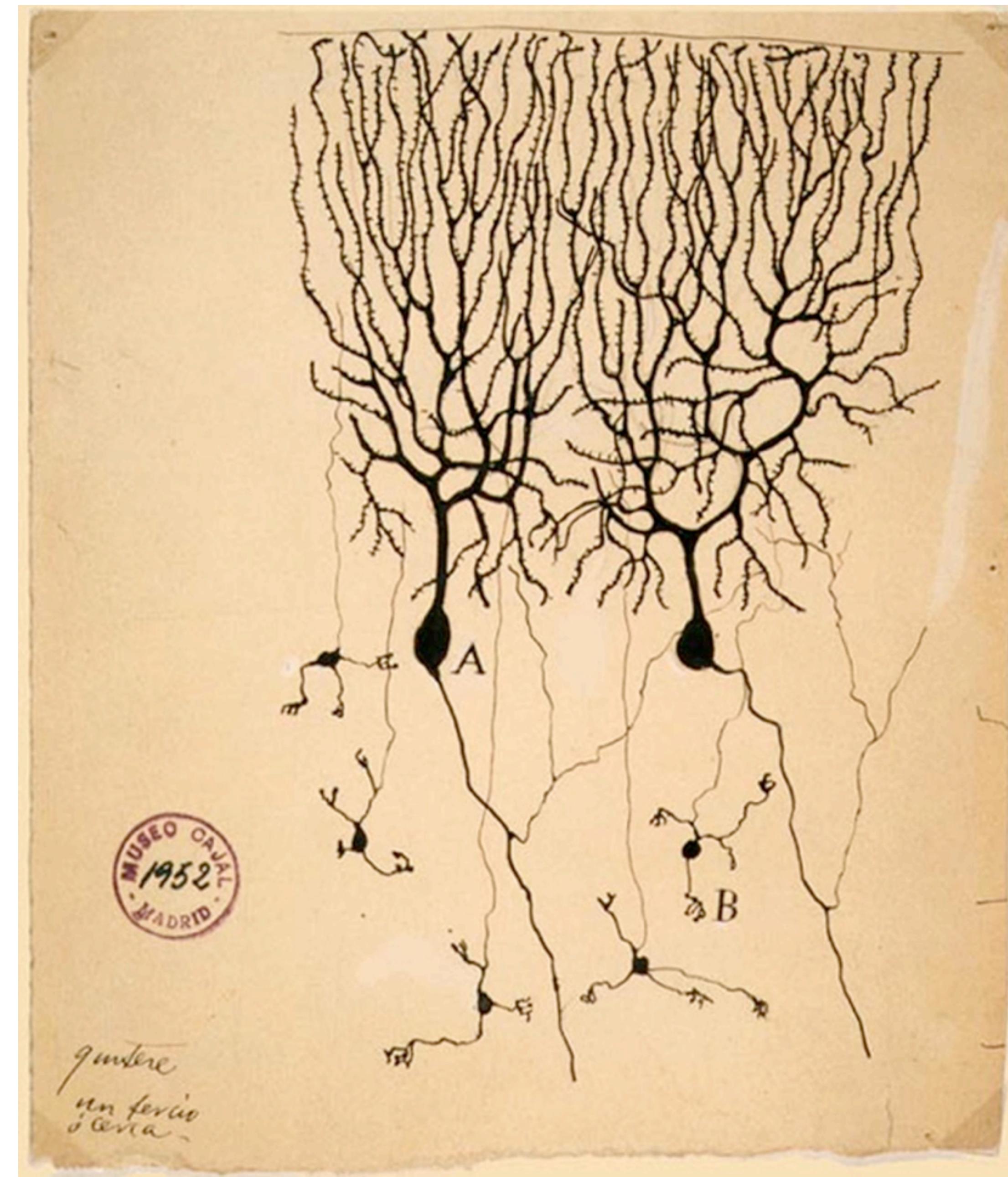
Granule neurons



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Neural Connectivity

neuroMap (Johannes Sorger)



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<http://vizbi.org/vizbiplus>

<http://molecularmovies.org>