



vis 2013
VAST • INFOVIS • SCIVIS
BIOVIS • LDAV

Visualizing Networks and Interactions

Primer Talk

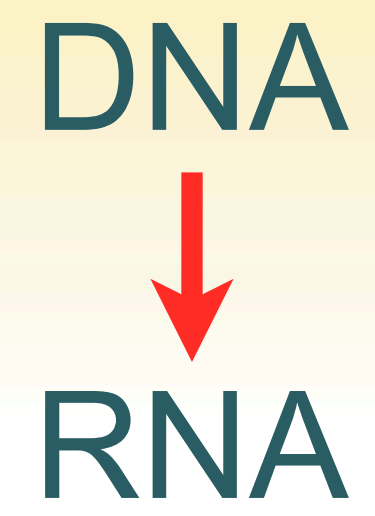
Seán O'Donoghue

CSIRO & Garvan Institute for Medical Research, Australia

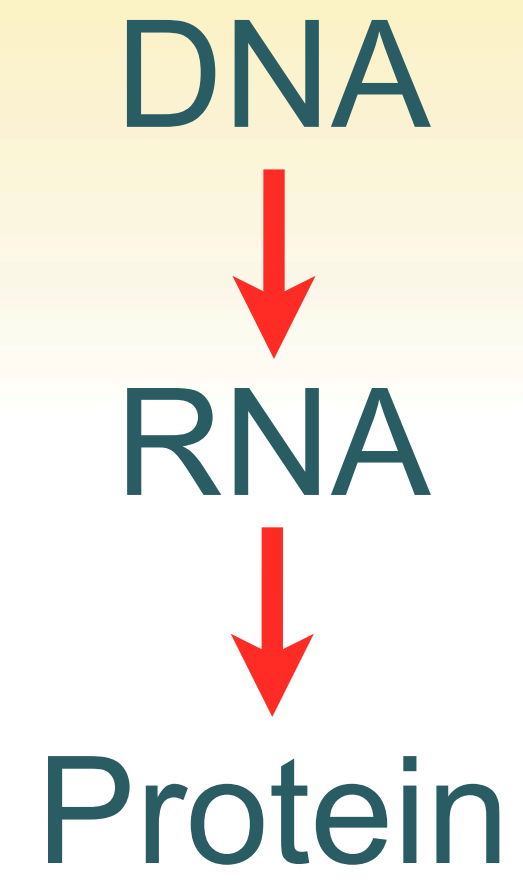
Central dogma

DNA

Central dogma



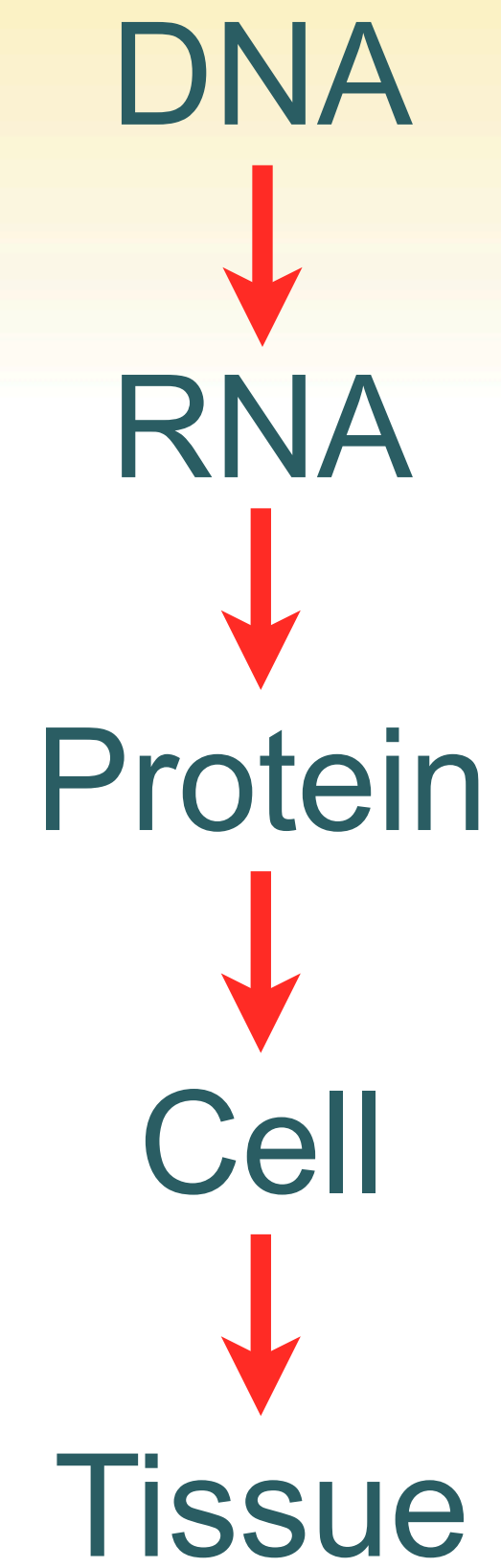
Central dogma



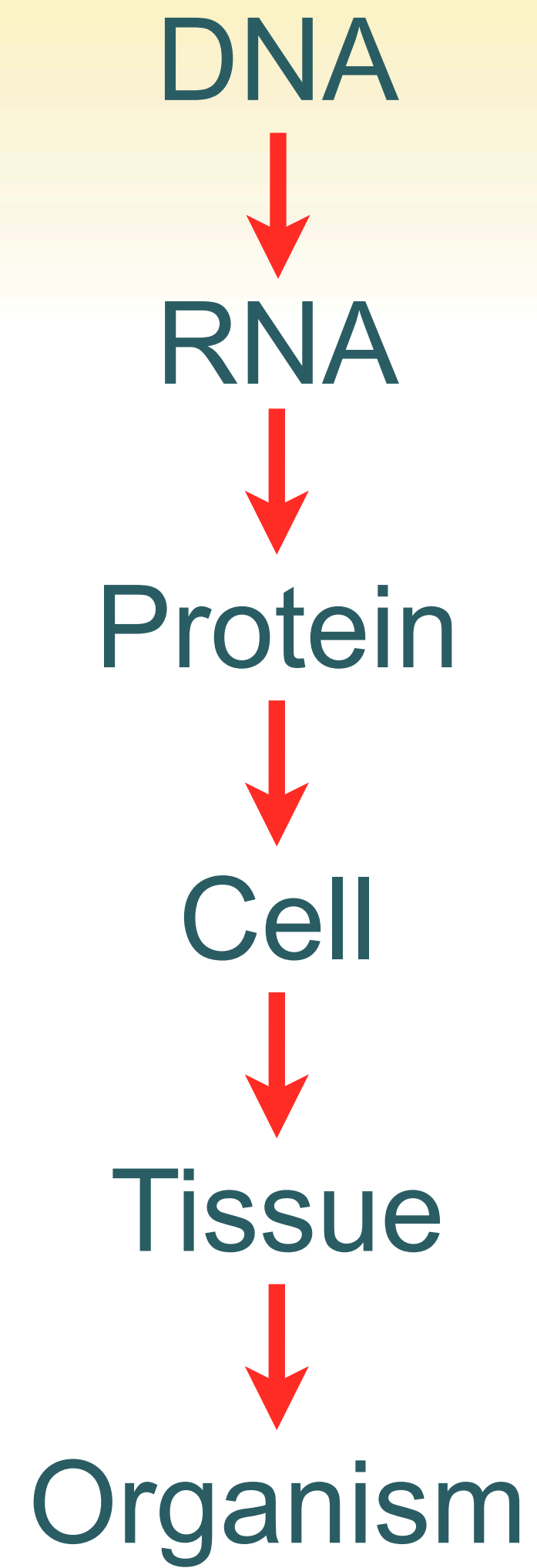
Central dogma



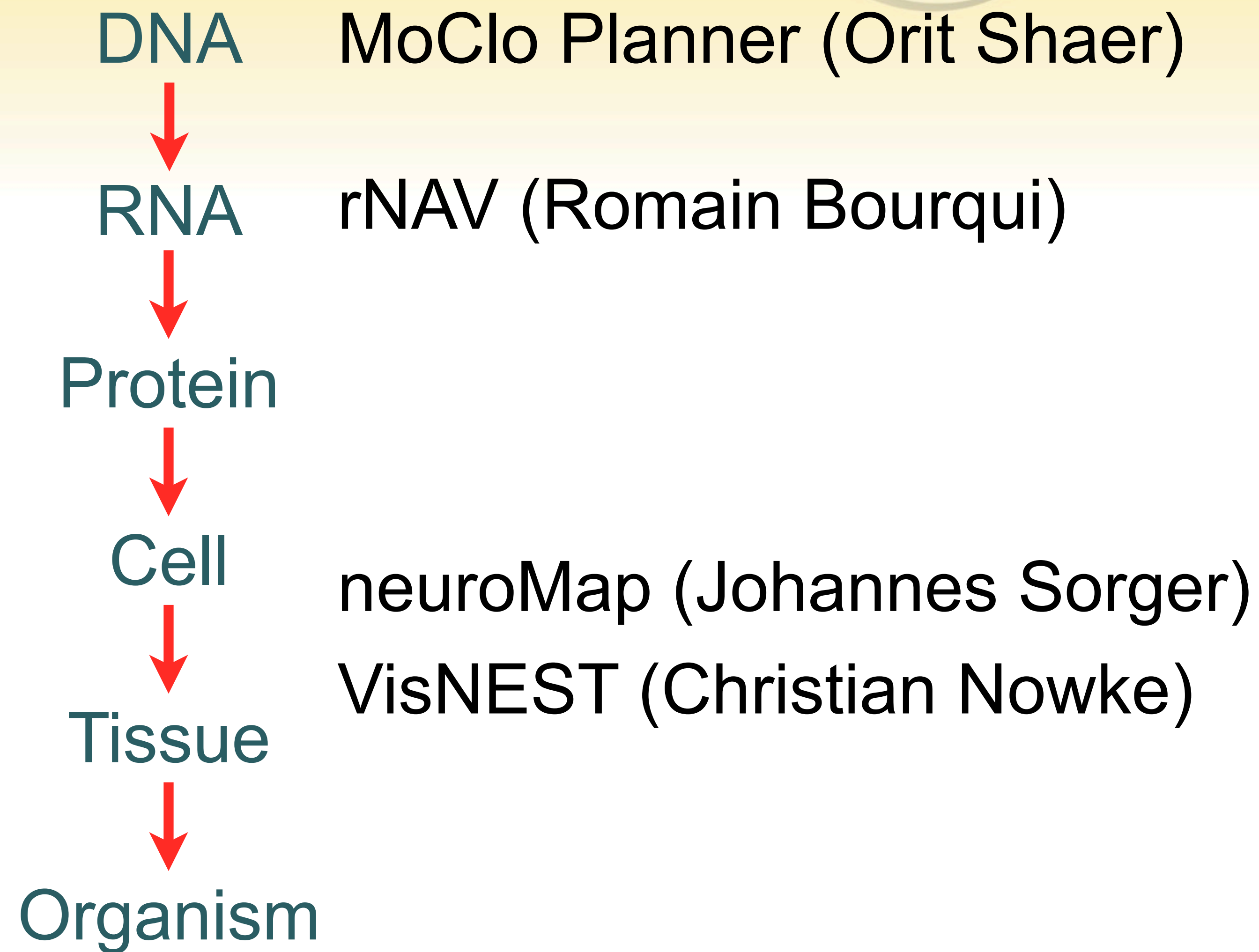
Central dogma



Central dogma



Session papers

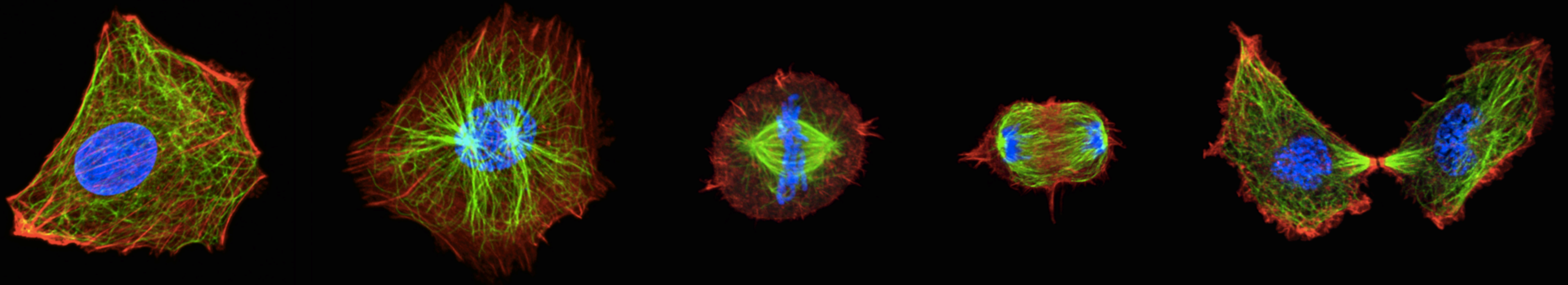


DNA

wehi.edu.au



restriction enzymes



www.mitocheck.org.

Synthetic biology

Modify *E. coli* to fight cancer

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

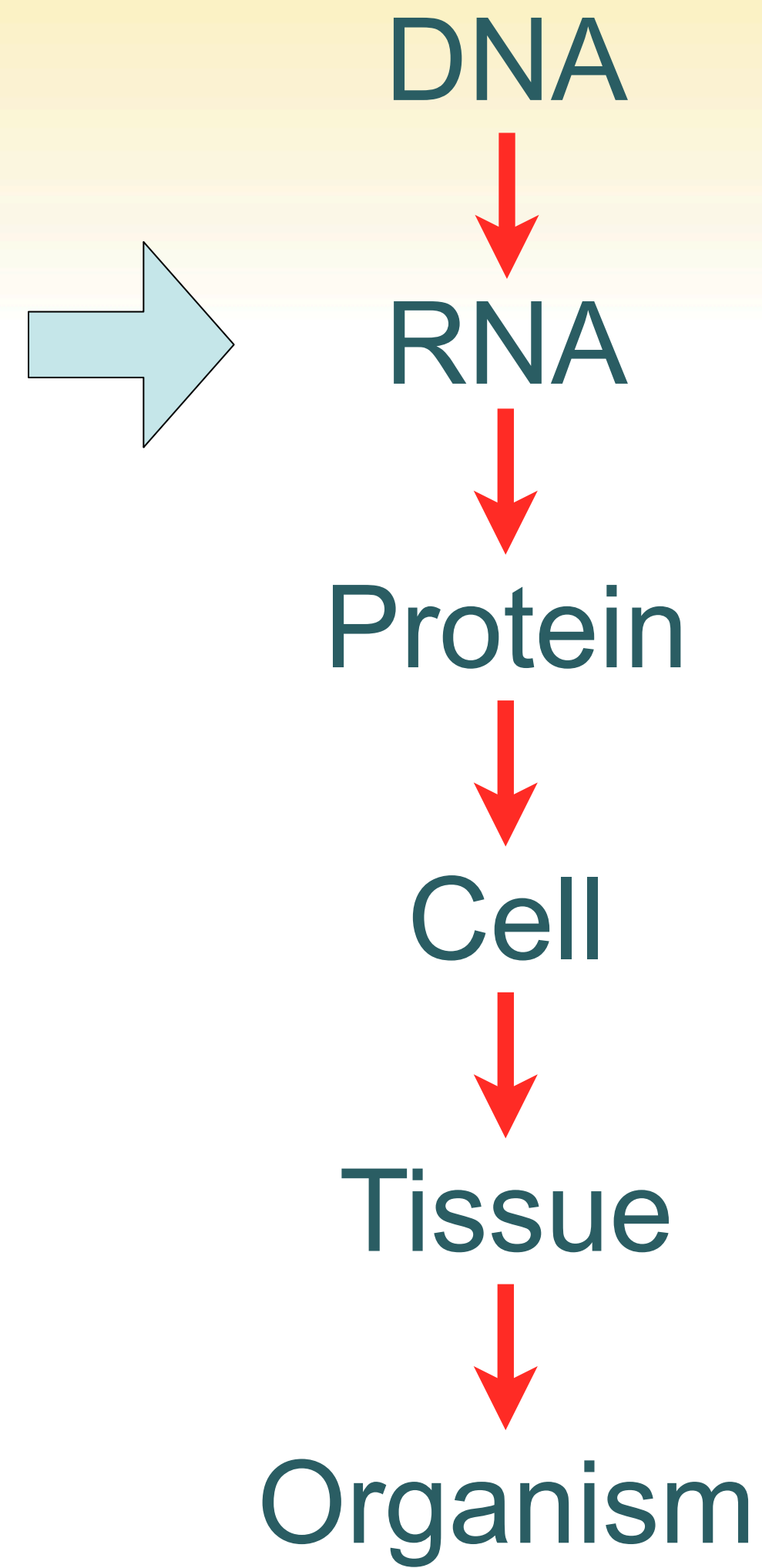


Animation: C. Hammang - O'Donoghue Lab

Modular Cloning

MoClo Planner (Orit Shaer)

Central dogma

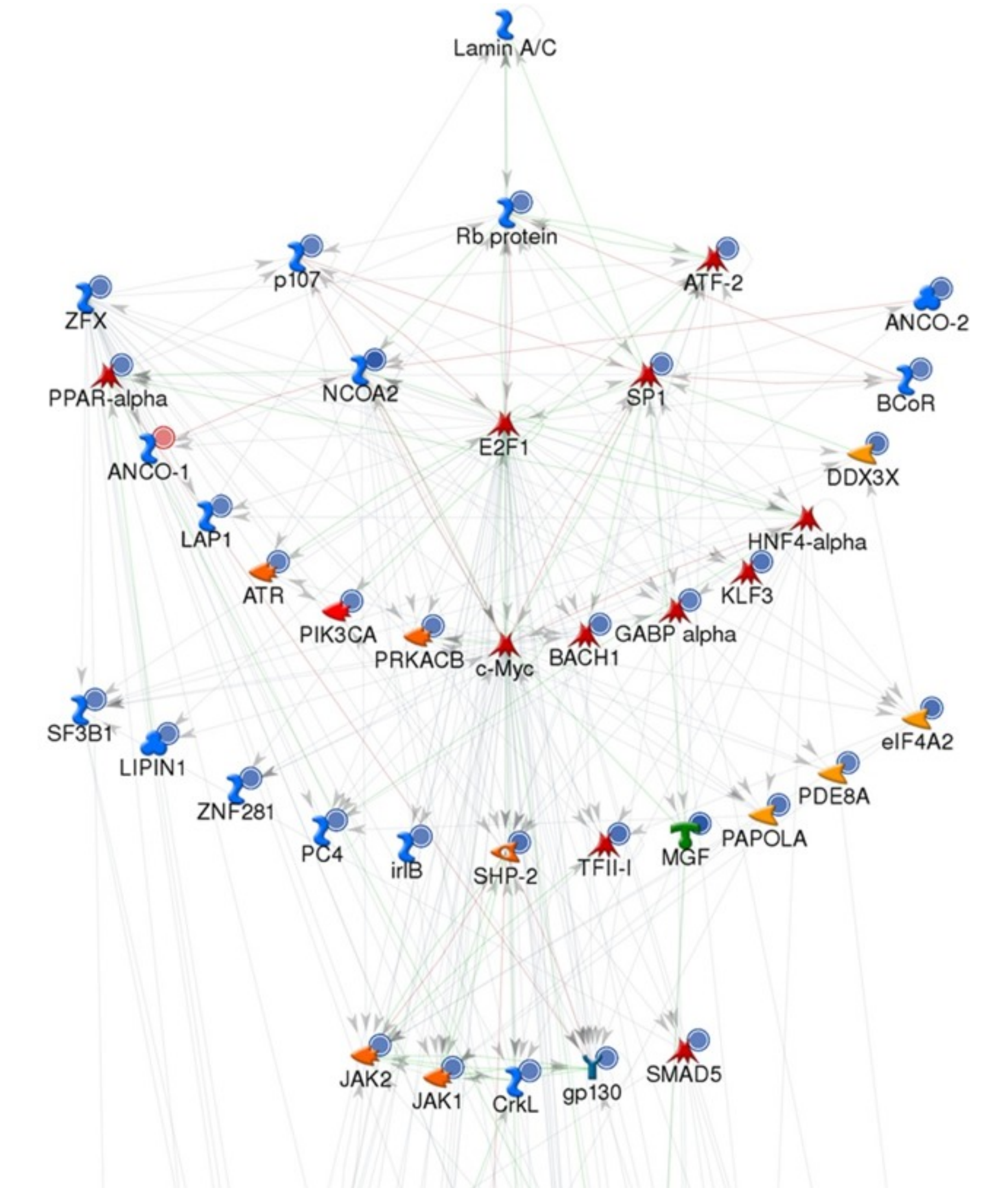
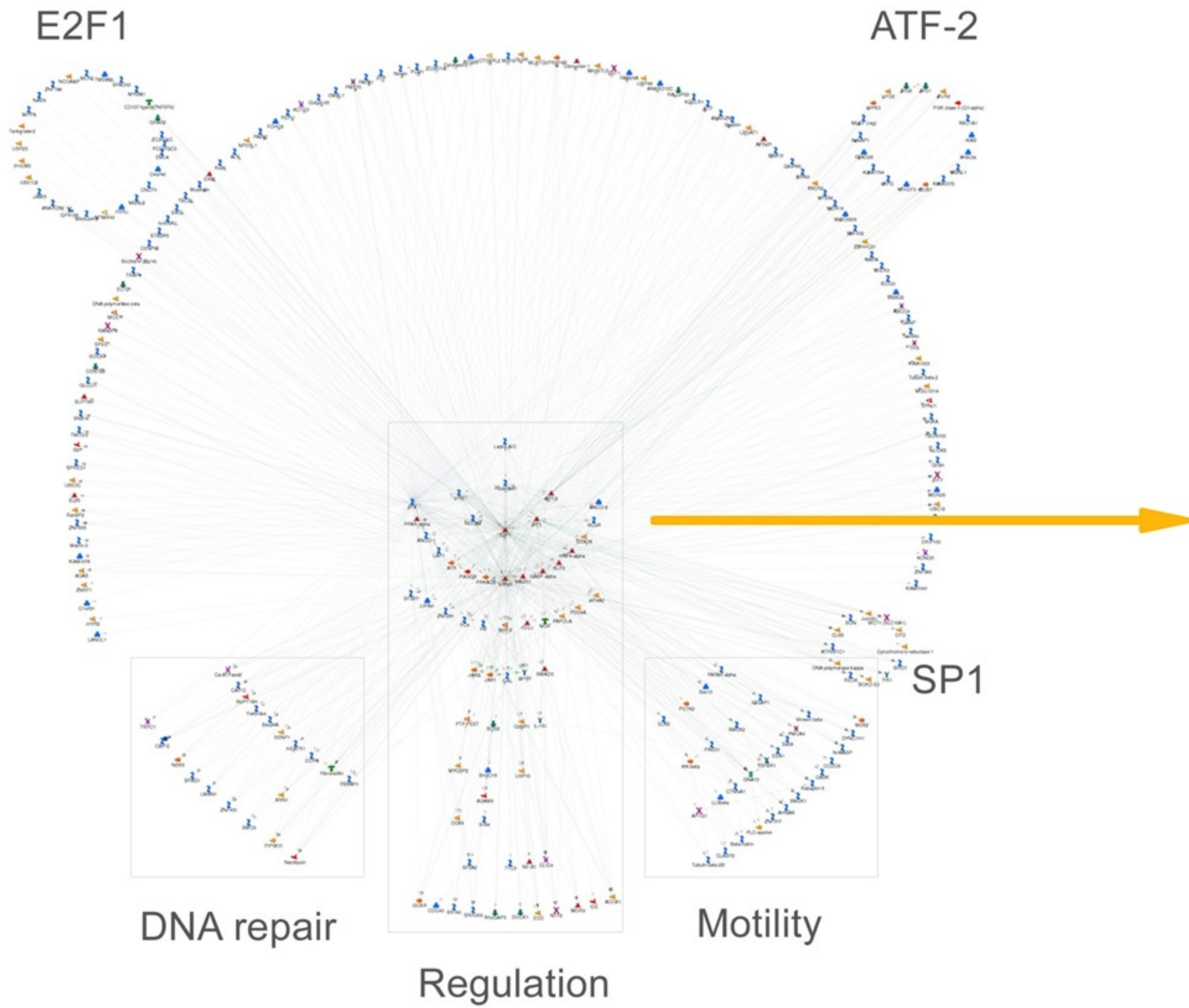


wehi.edu.au

RNA

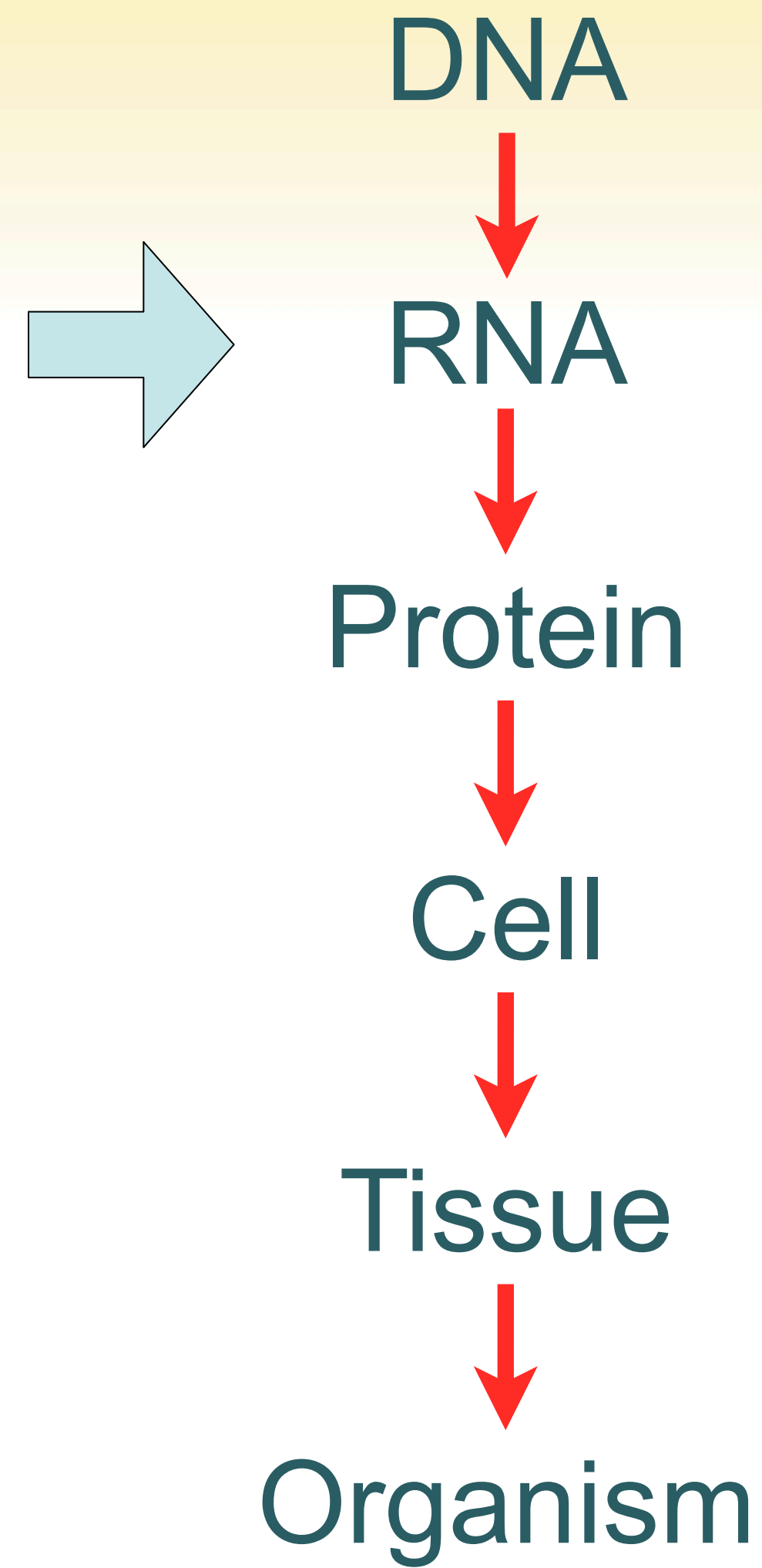


transcription



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

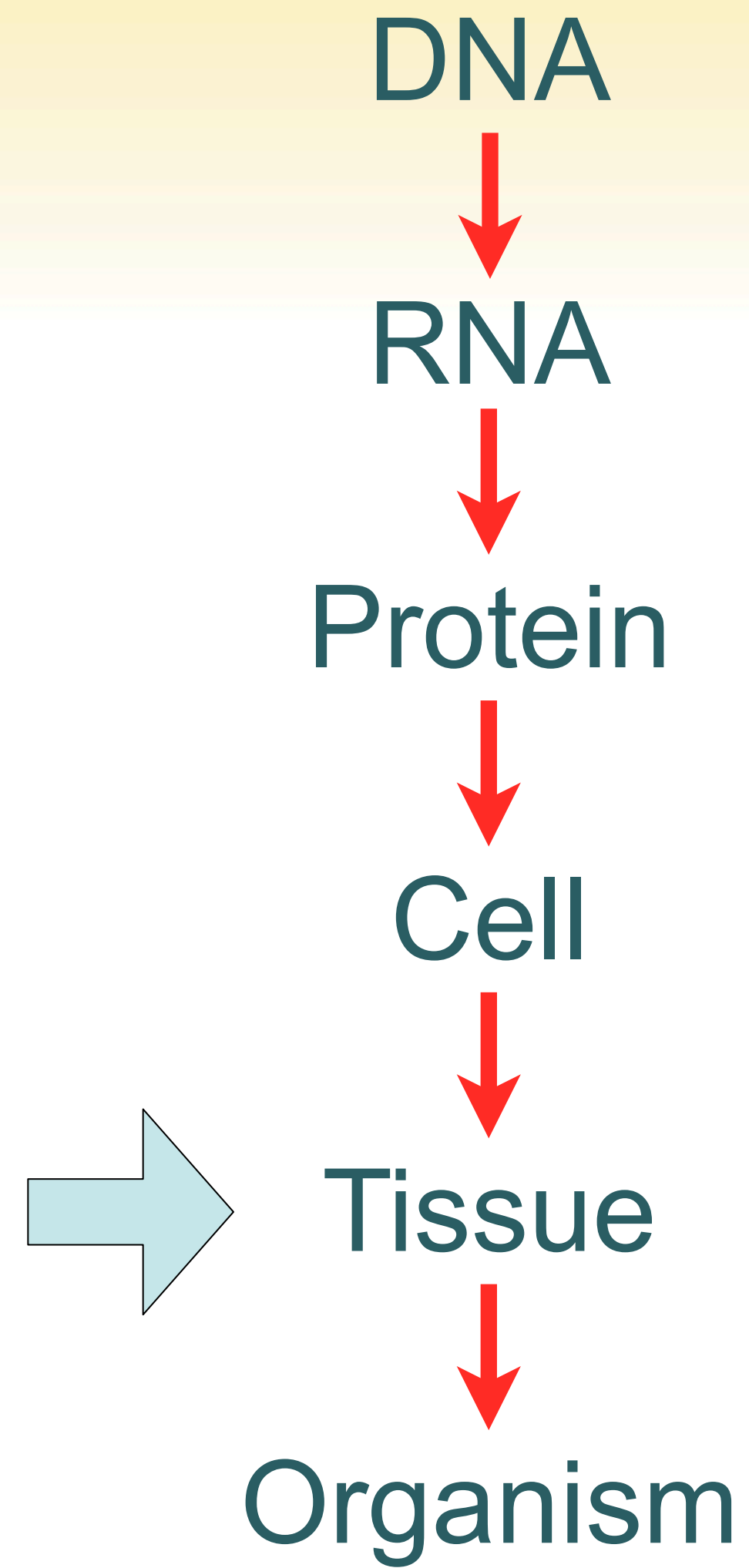
Central dogma

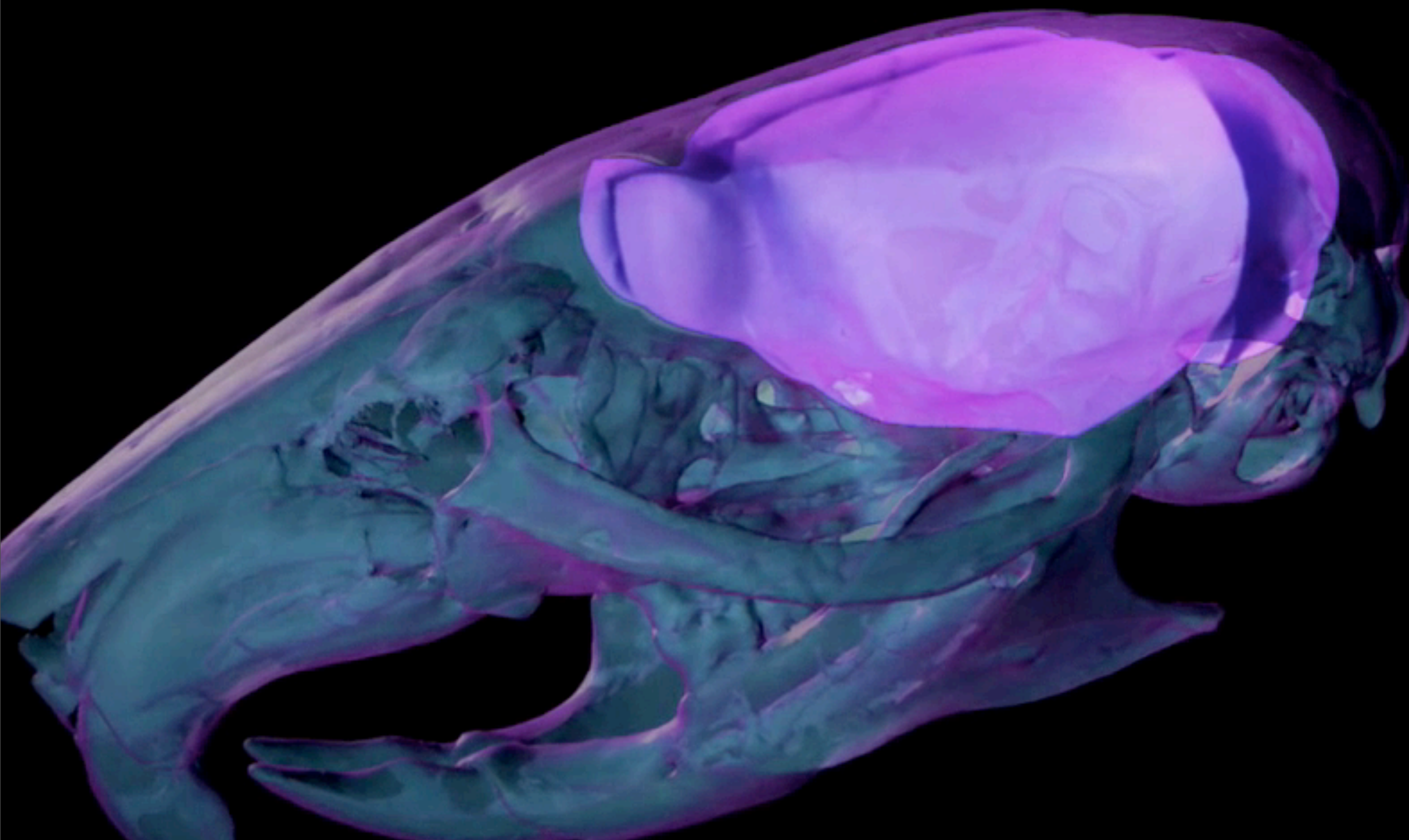


sRNA

rNAV (Romain Bourqui)

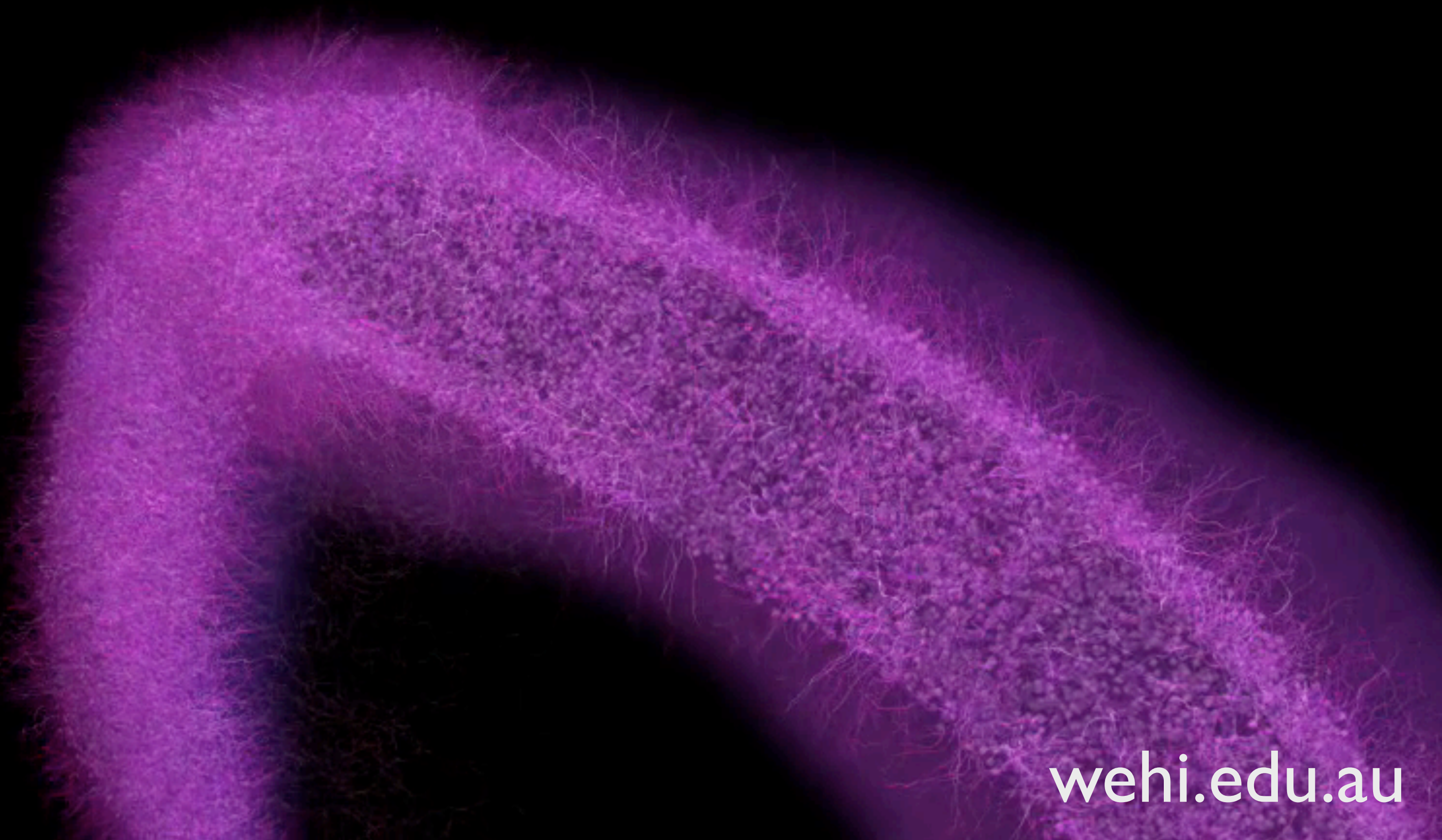
Central dogma





Brain

wehi.edu.au

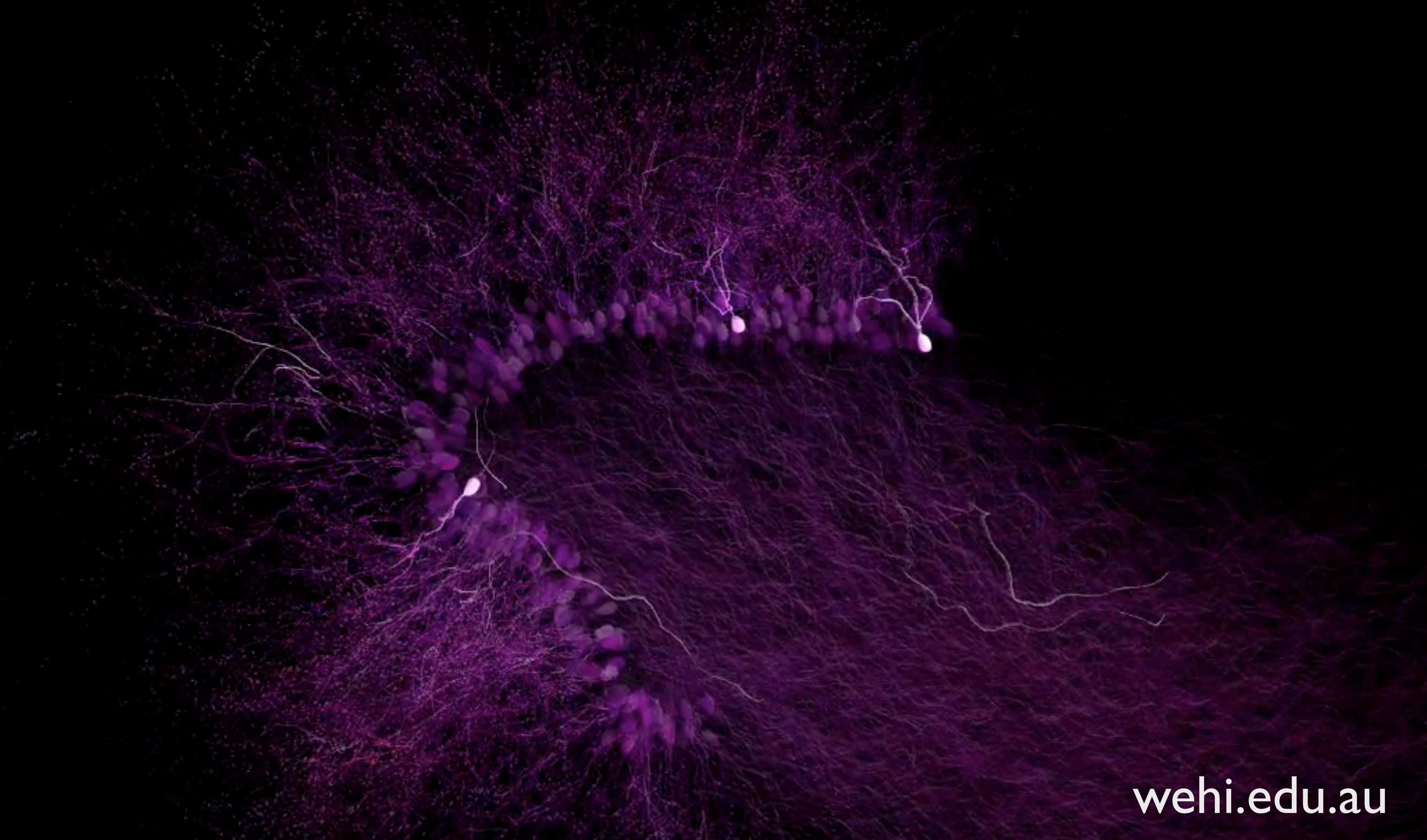


wehi.edu.au

Neural Activity

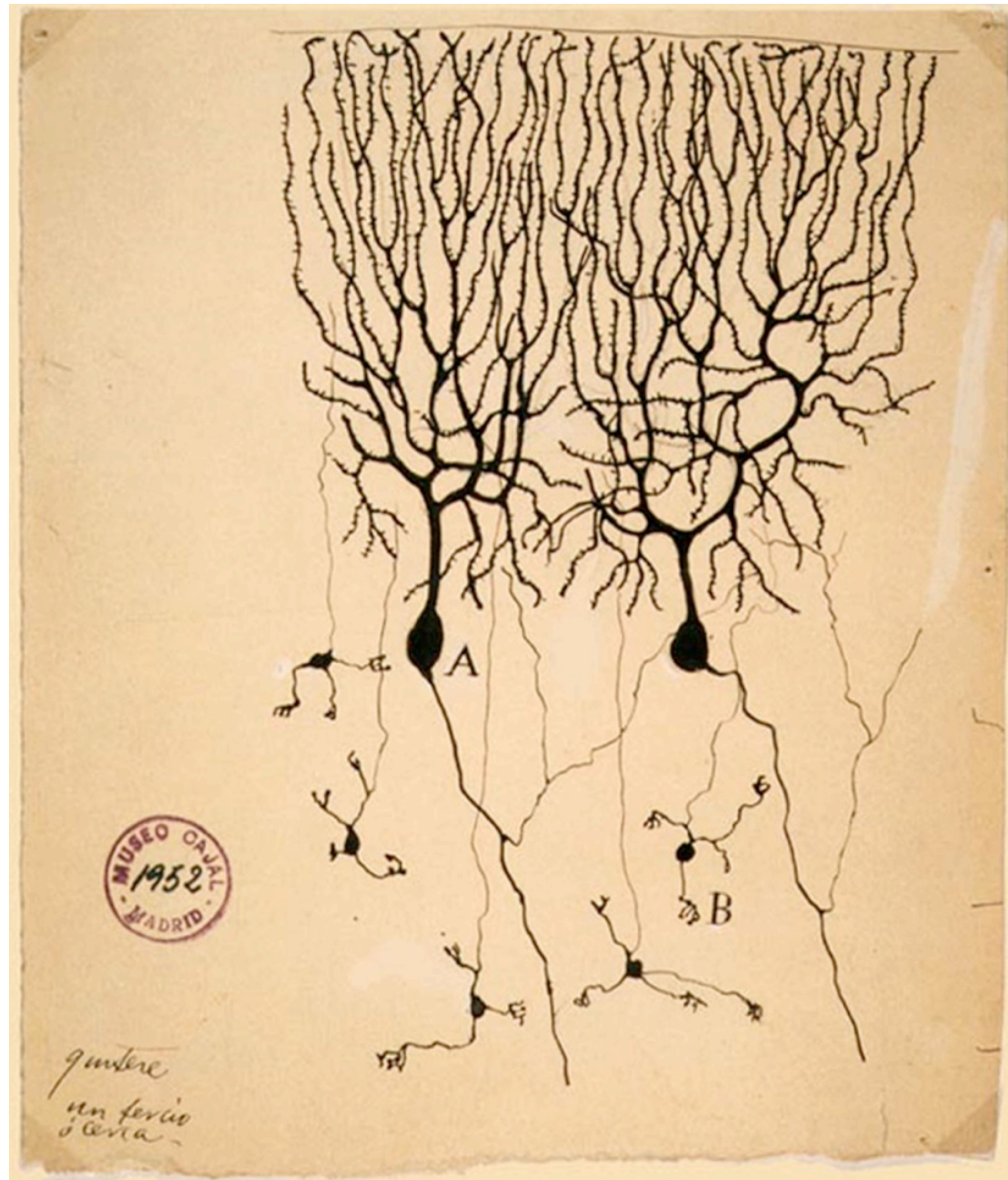
VisNEST (Christian Nowke)

Granule neurons



Neural Connectivity

neuroMap (Johannes Sorger)



<http://wehi.tv>

<http://vizbi.org/vizbiplus>

<http://molecularmovies.org>