



Sir Richard Faull

Professor and Director
Centre for Brain Research
University of Auckland

Saturday, August 10, 2019

(Plenary)

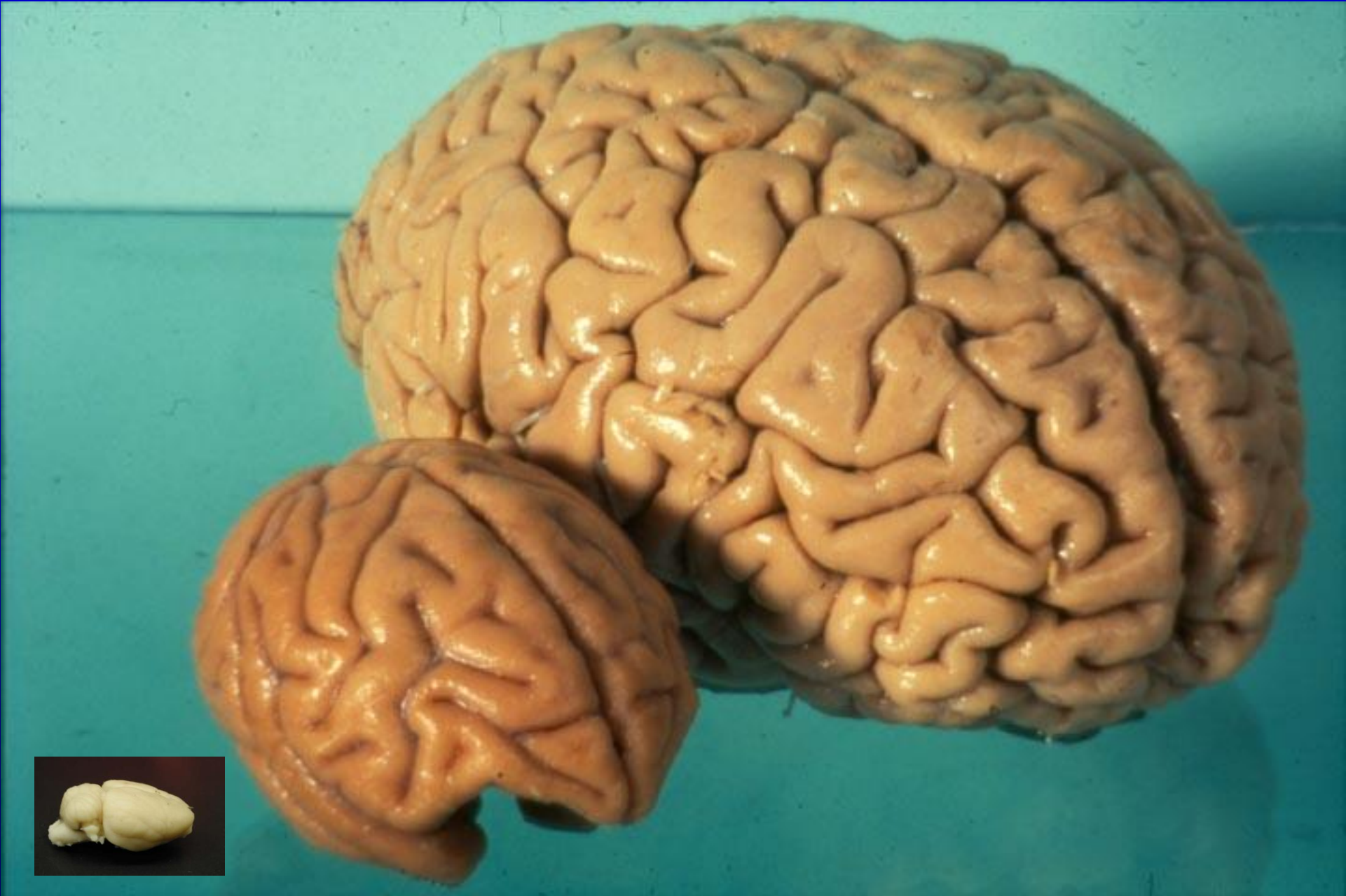
8:00 - 8:20 Neurogenesis and New Brain Cell Pathways in the Human
Brain - Fact and Fantasy

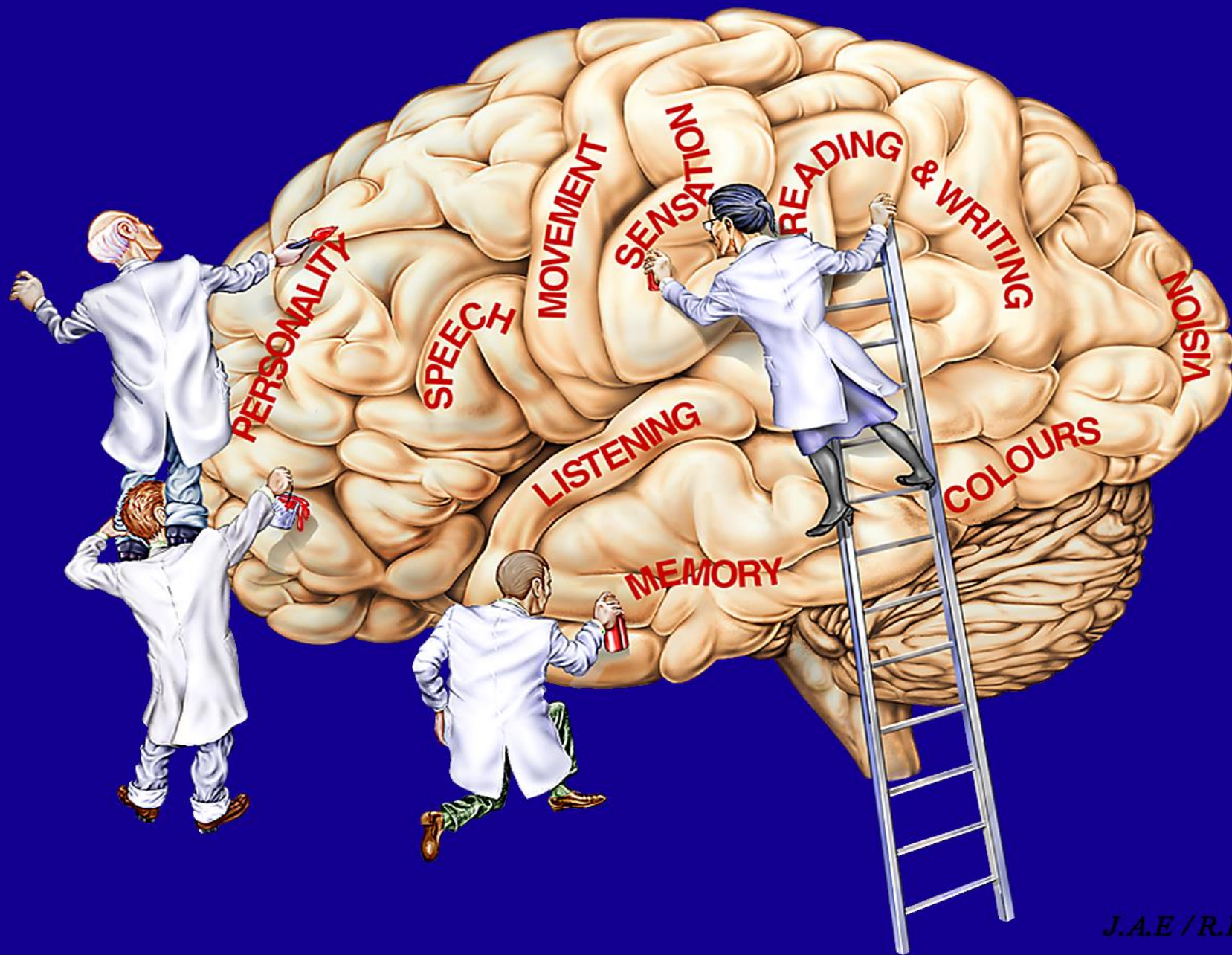
Neurogenesis and New Brain Cell Pathways in the Human Brain – Fact and Fantasy

Richard Faull

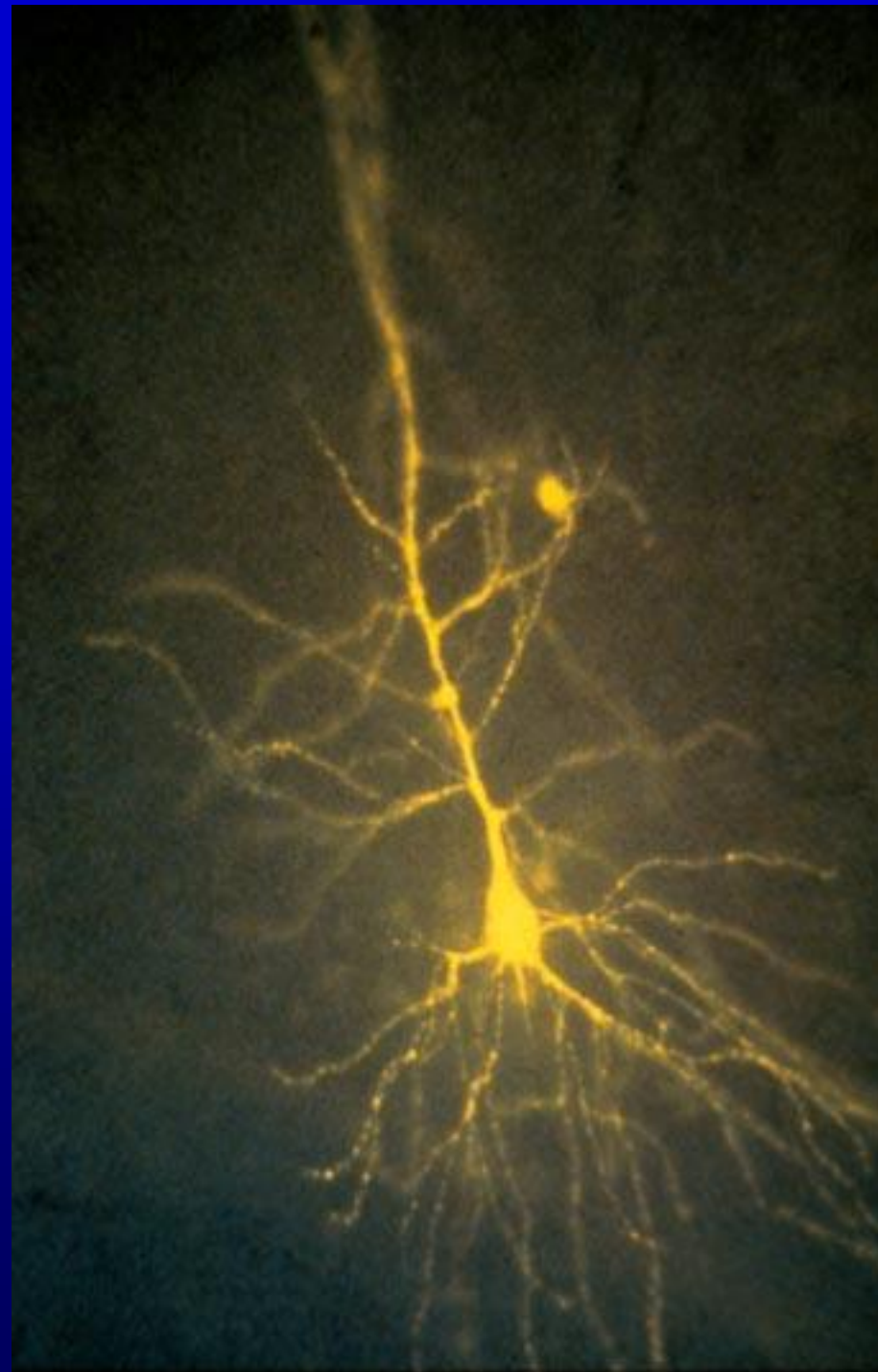
Director
Centre for Brain Research
The University of Auckland



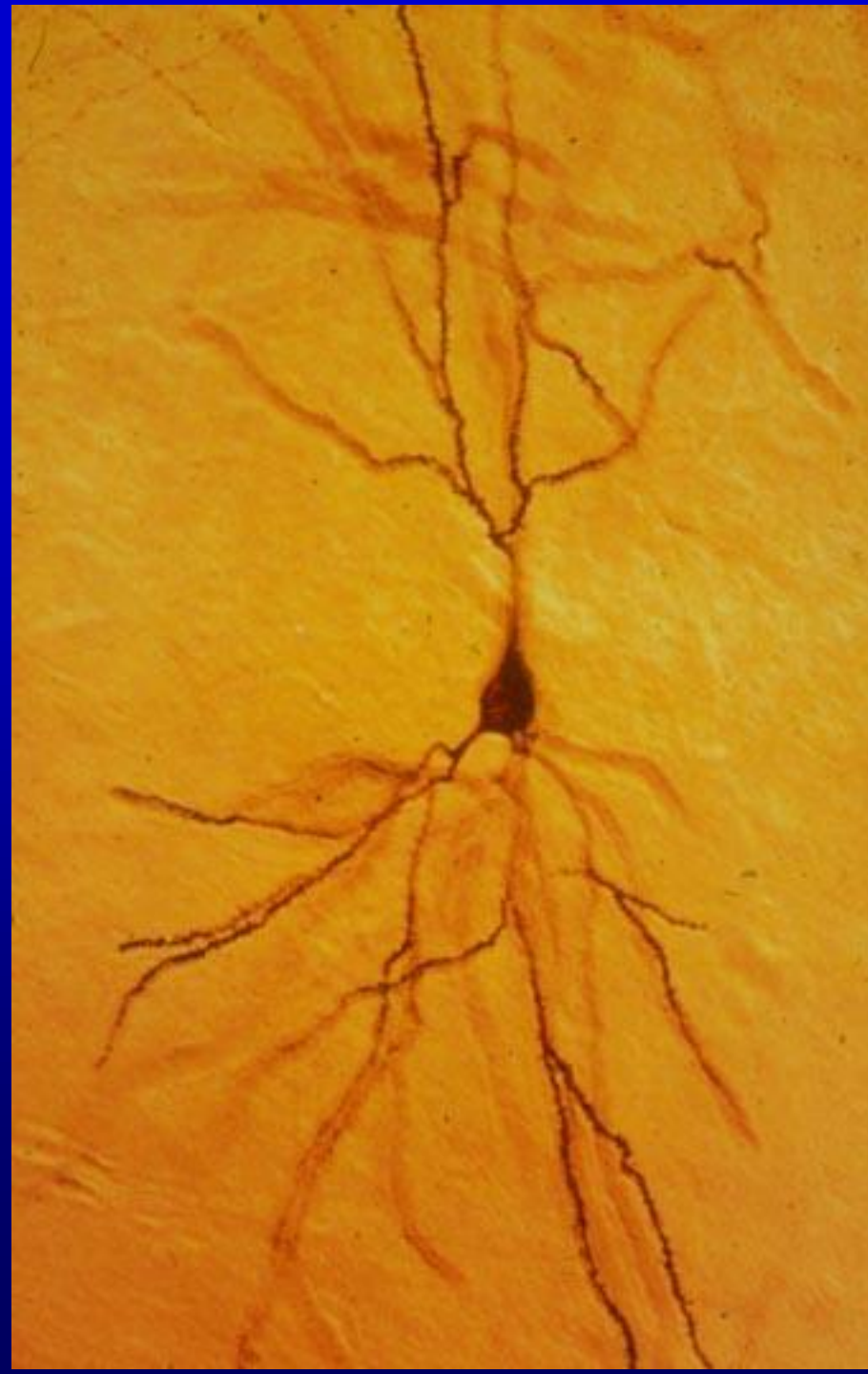


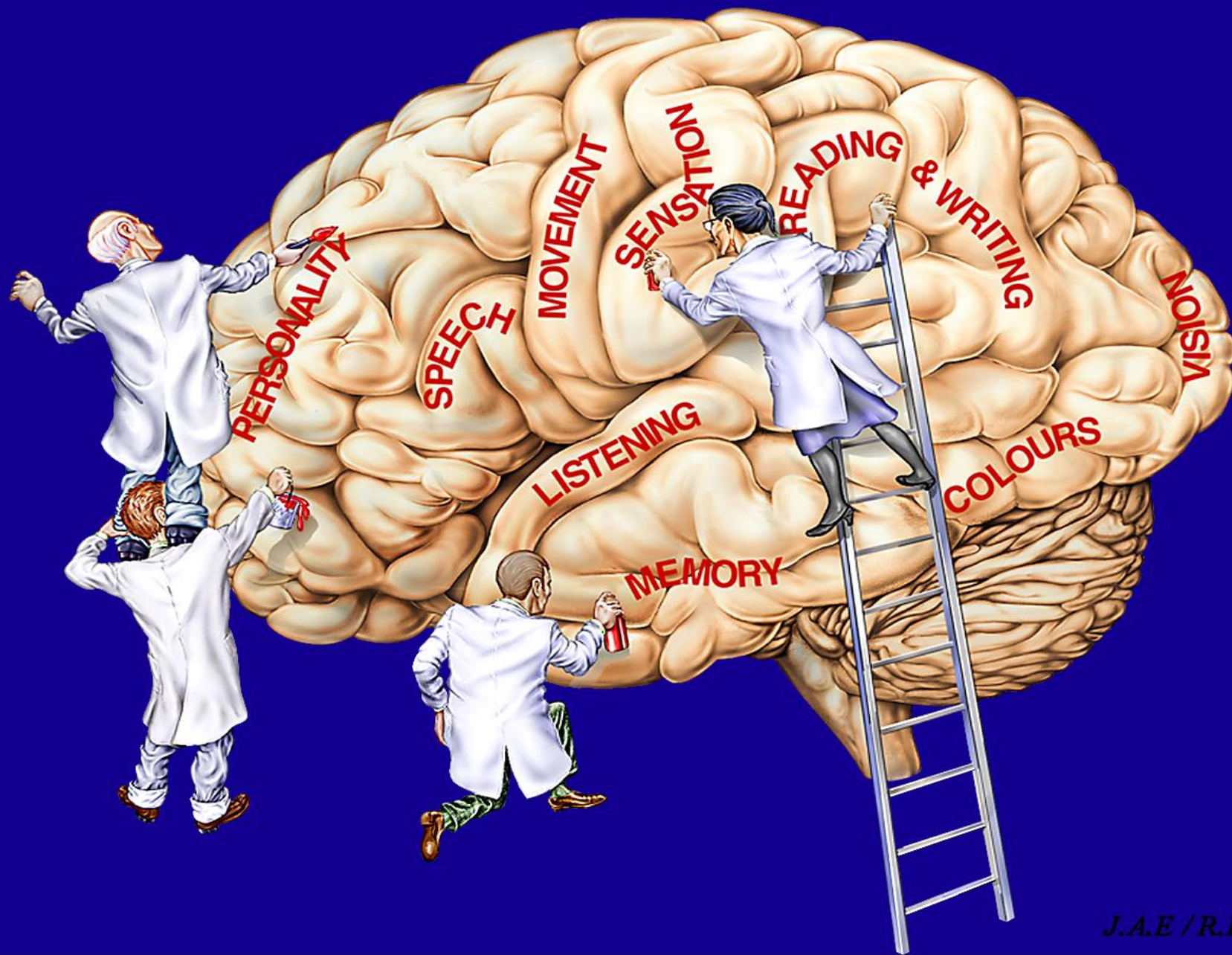


J.A.E / R.L.M.F

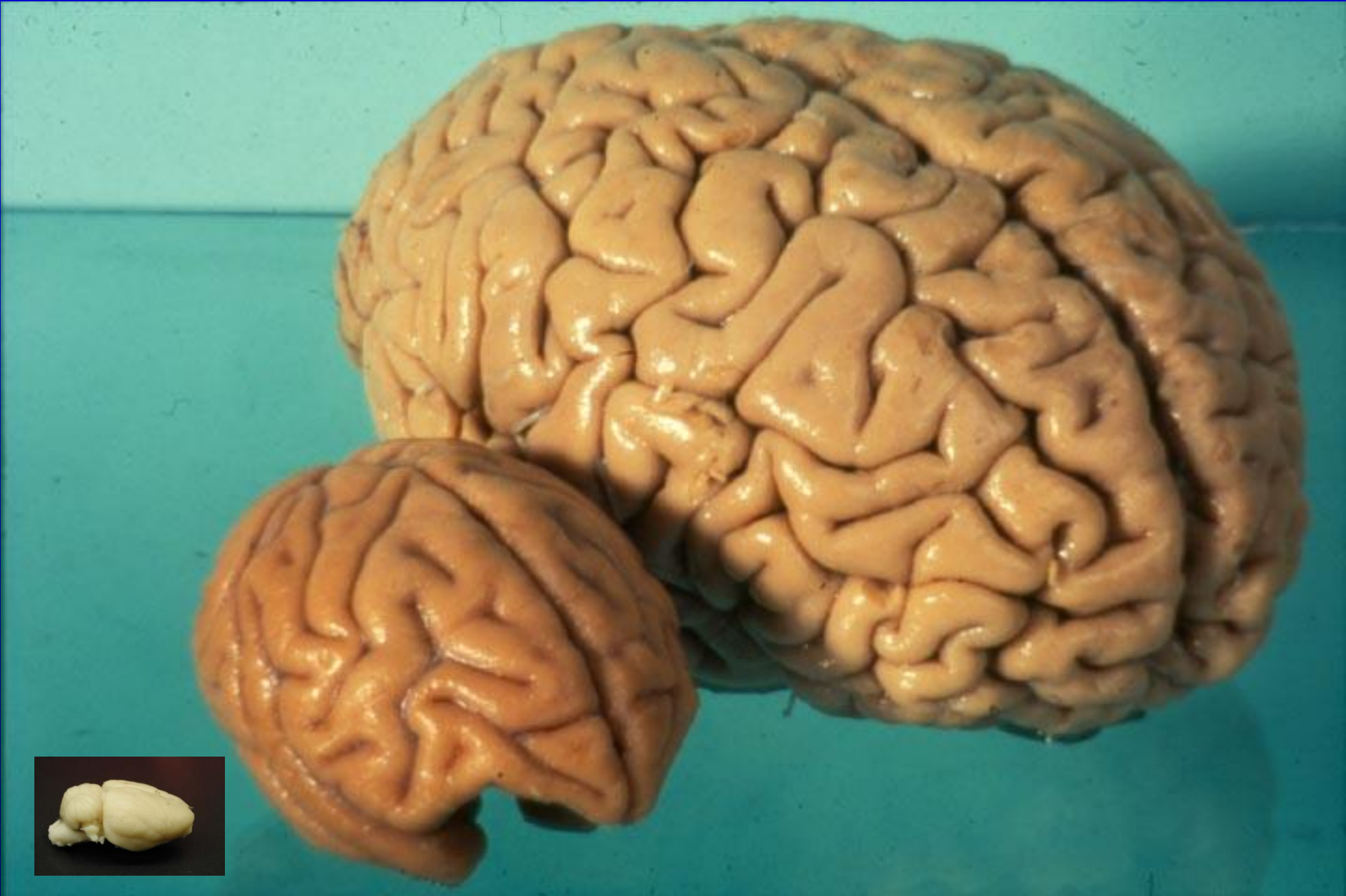


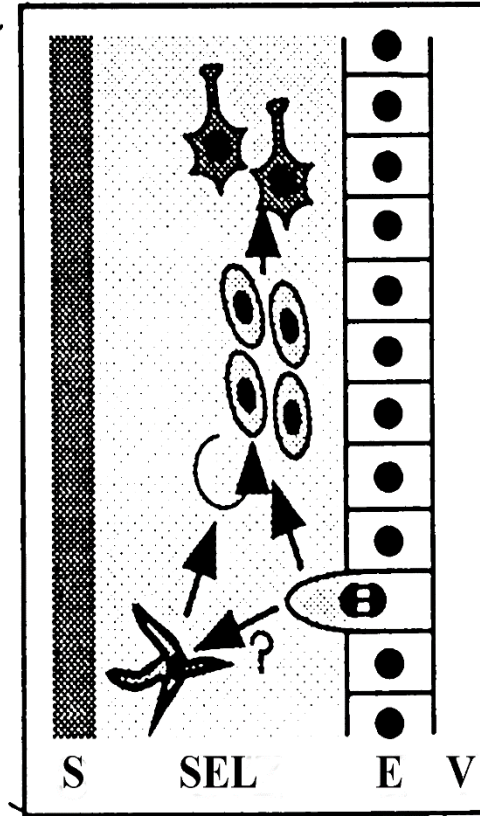
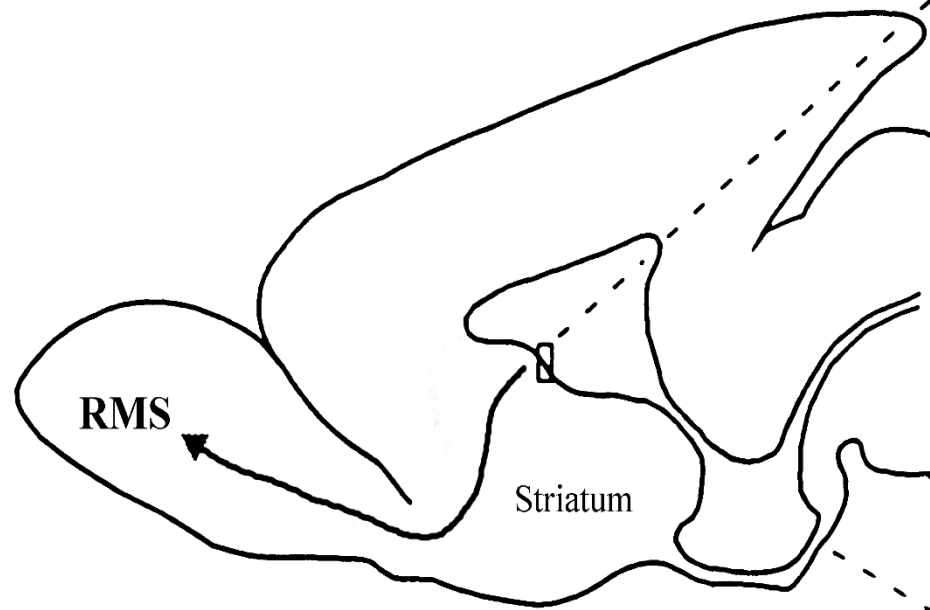




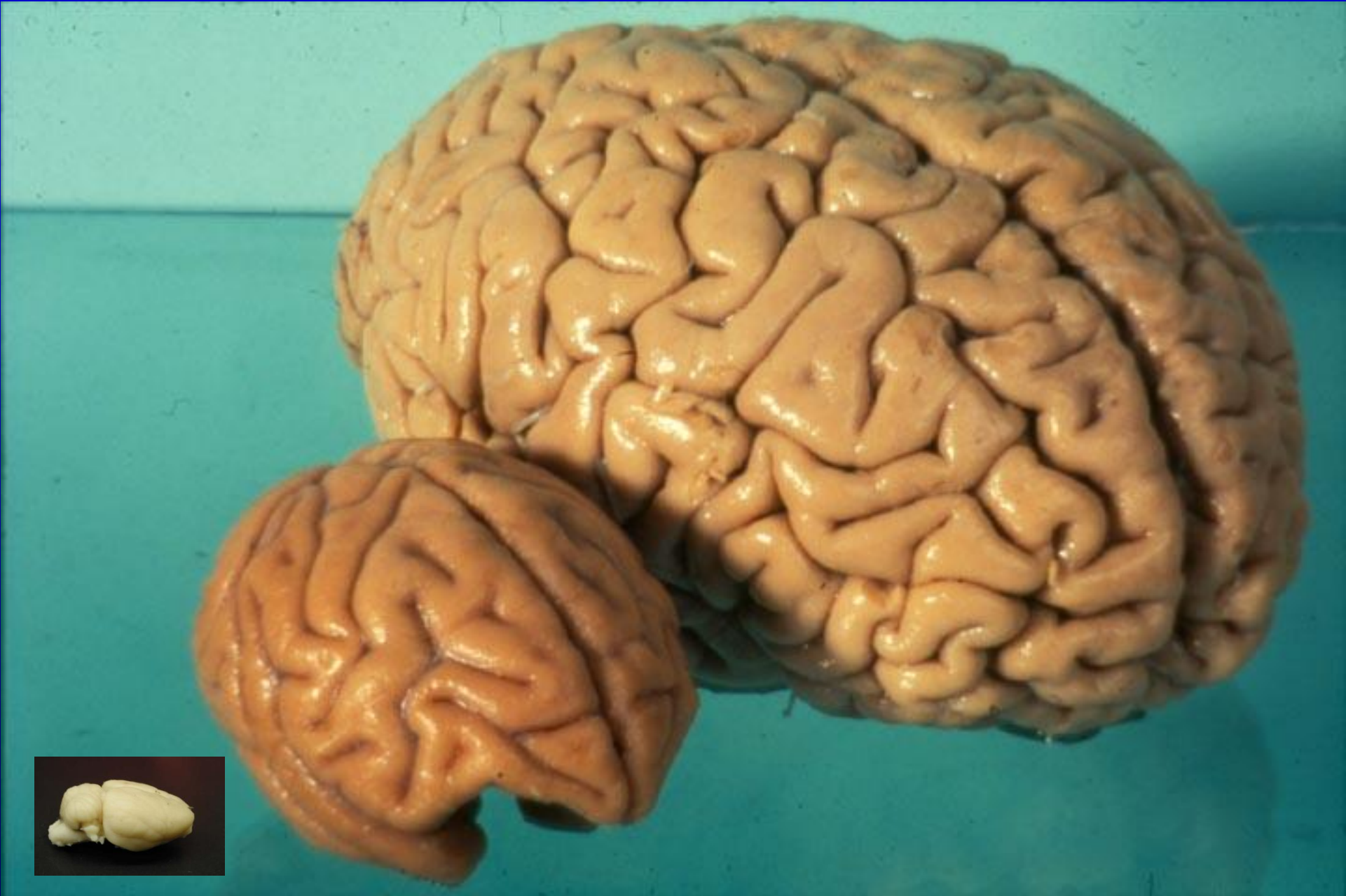


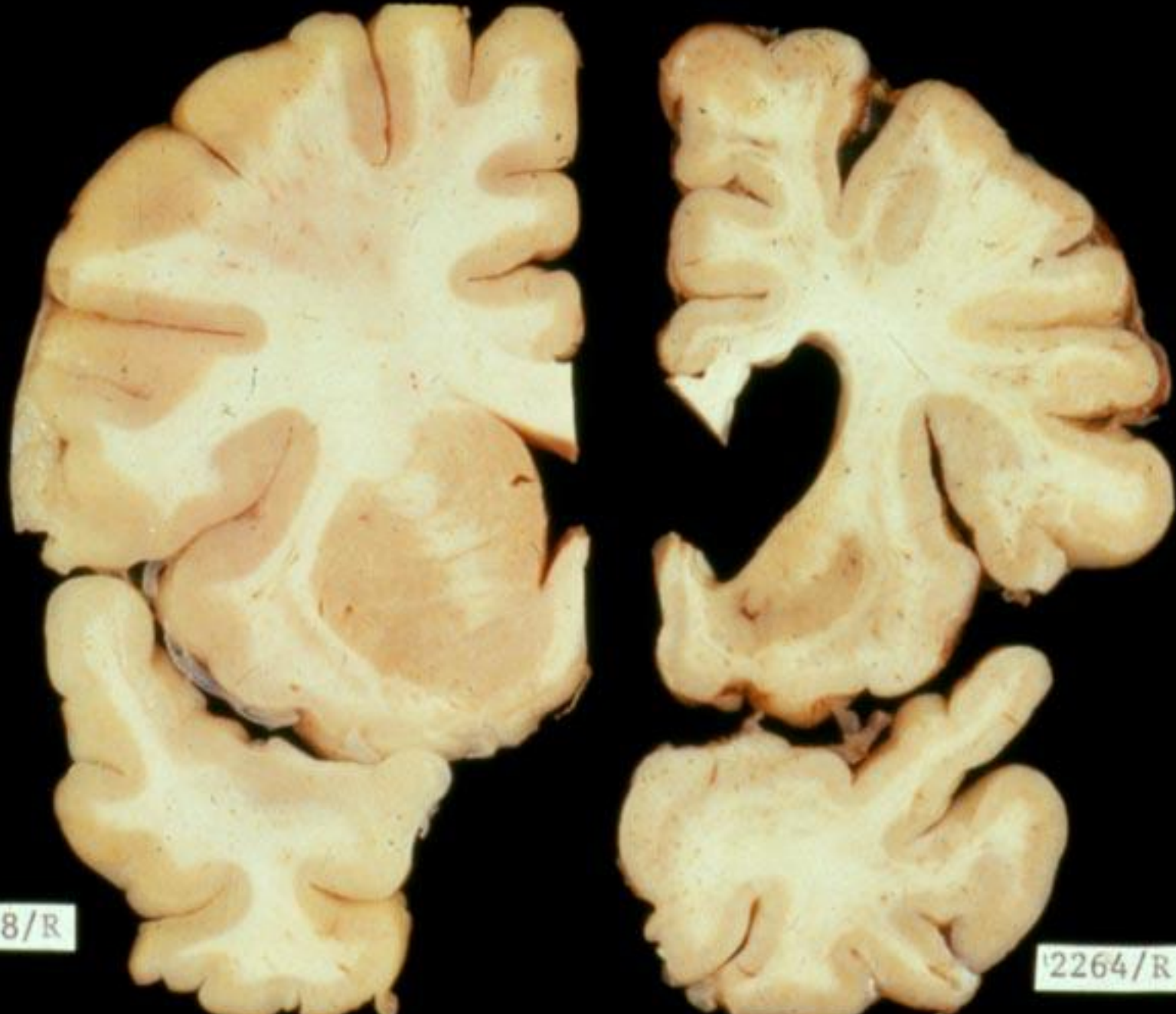
J.A.E / R.L.M.F











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HD HUMAN BRAIN BEQUESTS



The Neurological Foundation of NZ Human Brain Bank

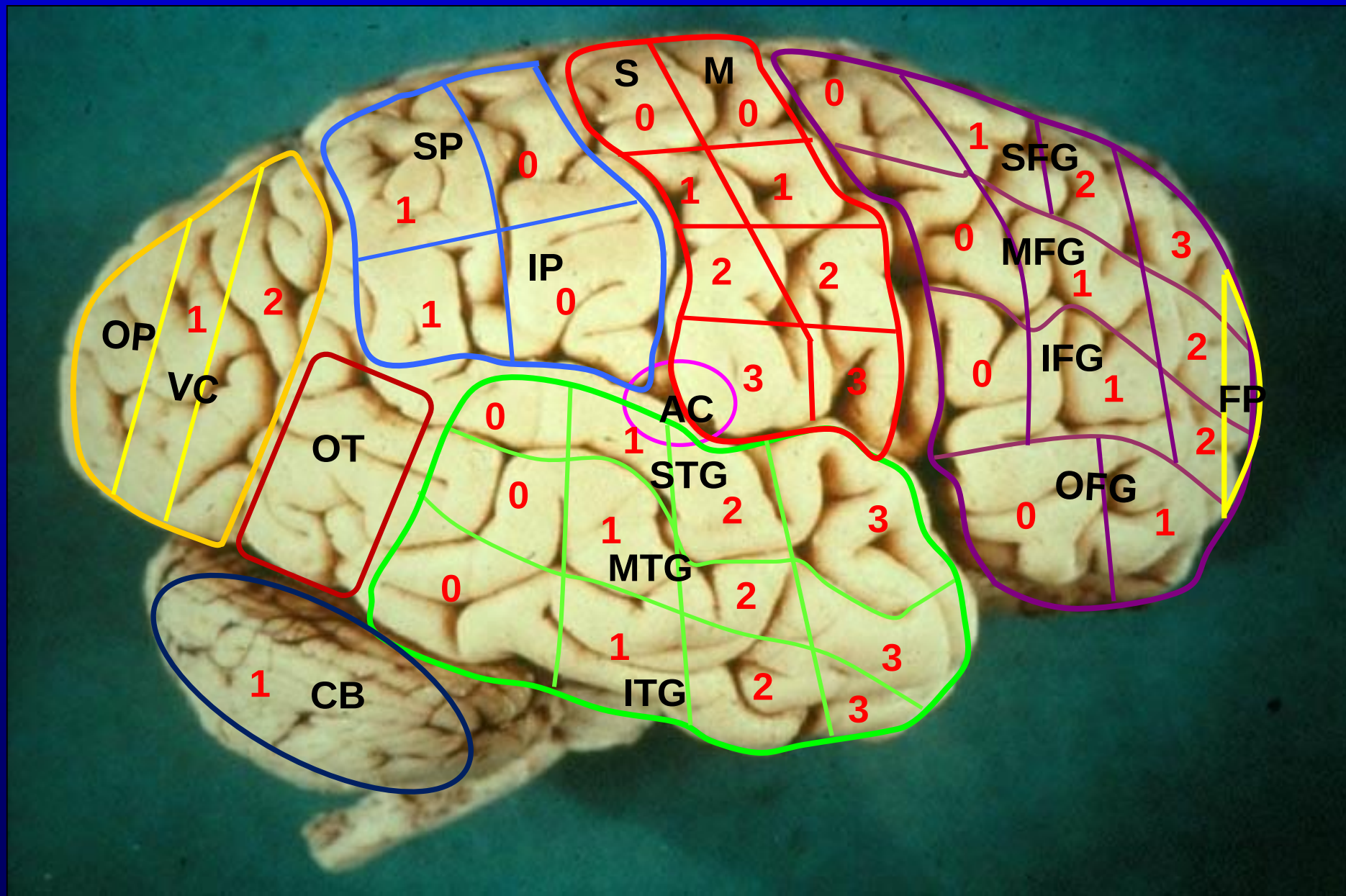
- Huntington's Disease
- Parkinson's Disease
- Alzheimer's Disease
- Epilepsy
- Motor Neuron Disease
- Multiple Sclerosis
- Glioblastoma tumours

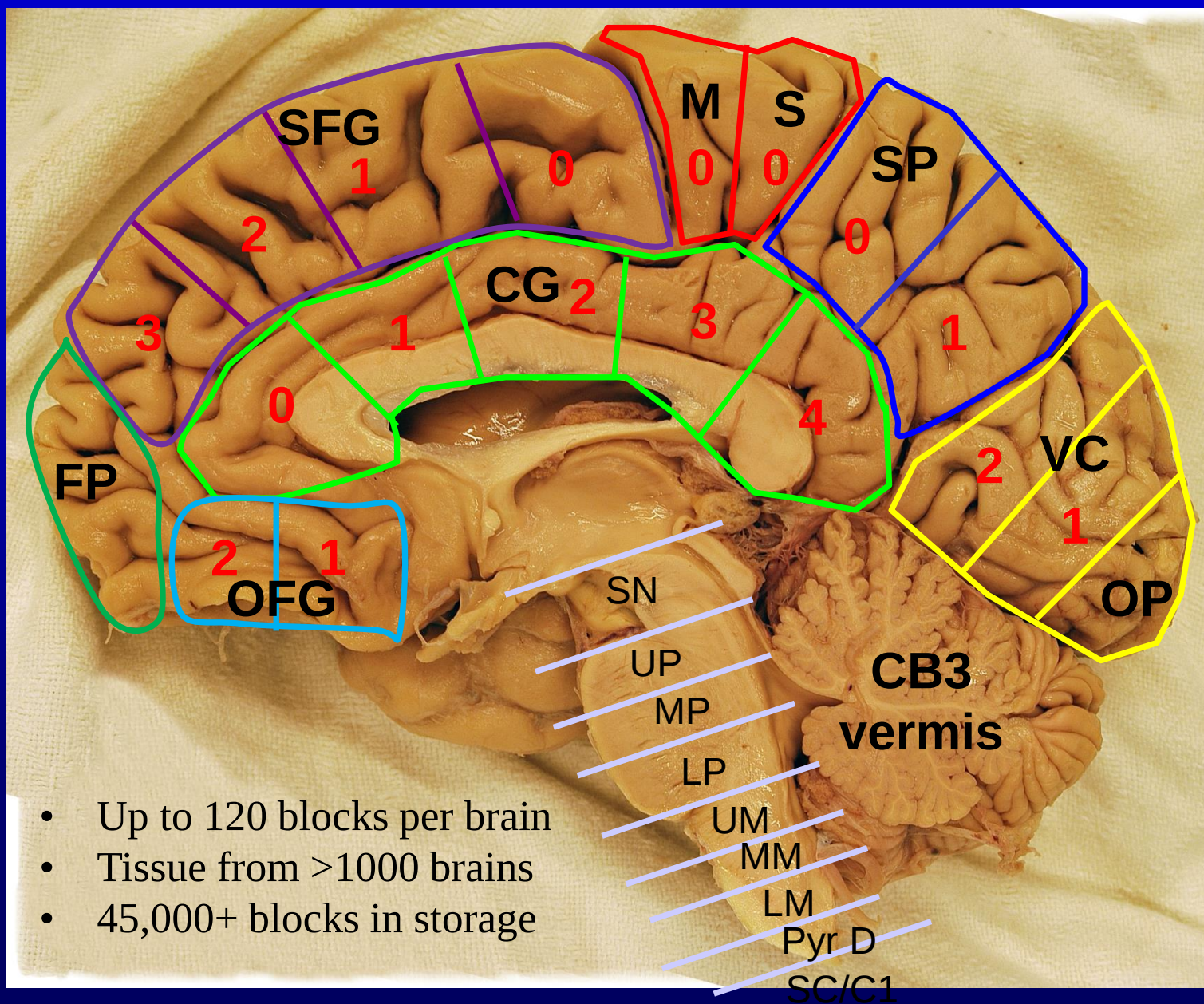
SUPPORTED BY:

- Alzheimers New Zealand
- Dementia New Zealand
- Parkinsons New Zealand
- Huntington's Disease Association
- Epilepsy Association of New Zealand
- Motor Neuron Disease Association of New Zealand

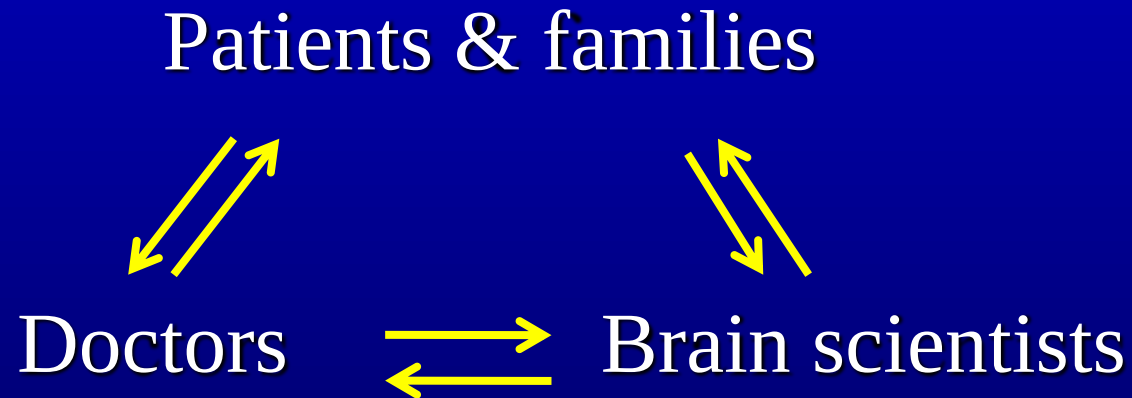
The Neurological Foundation Human Brain Bank: *A World-Class Resource—Centre for Brain Research*



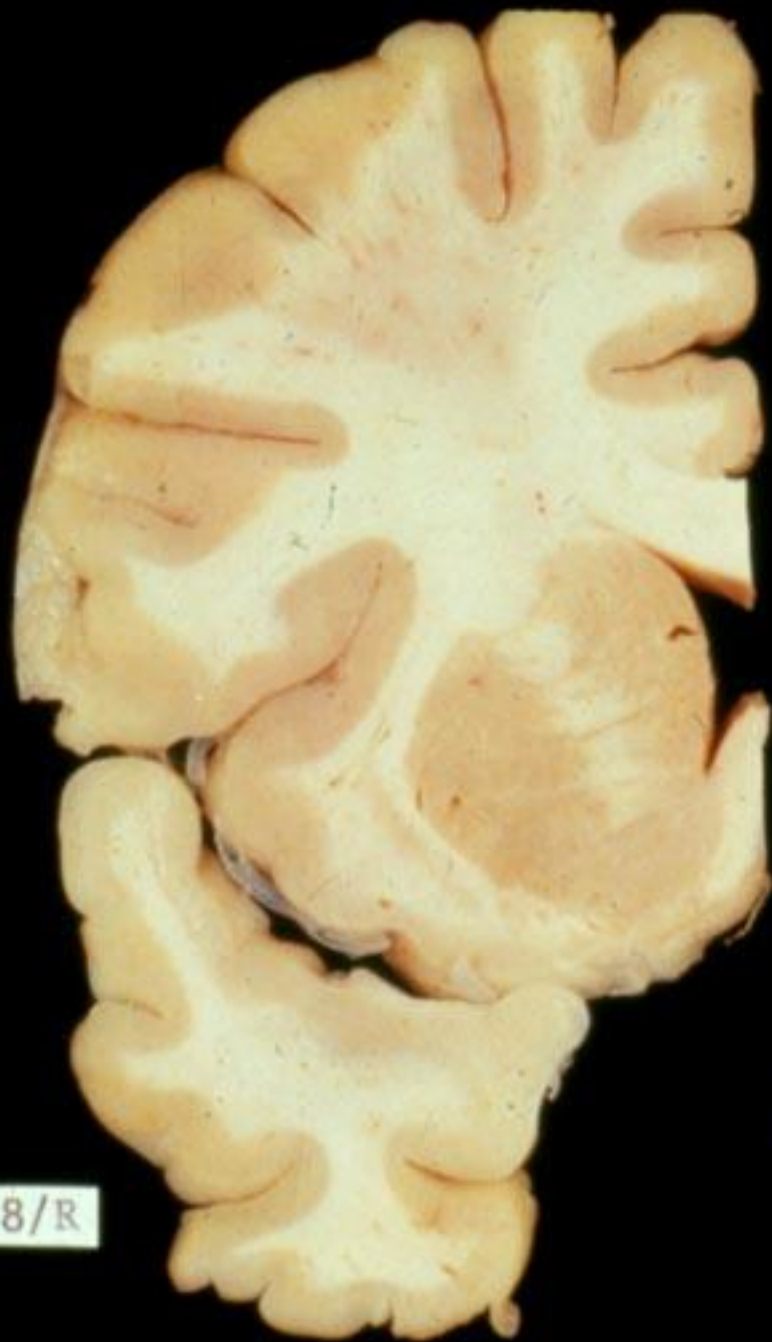




RESEARCH in PARTNERSHIP with the COMMUNITY



Unexpected exciting findings from human brain research

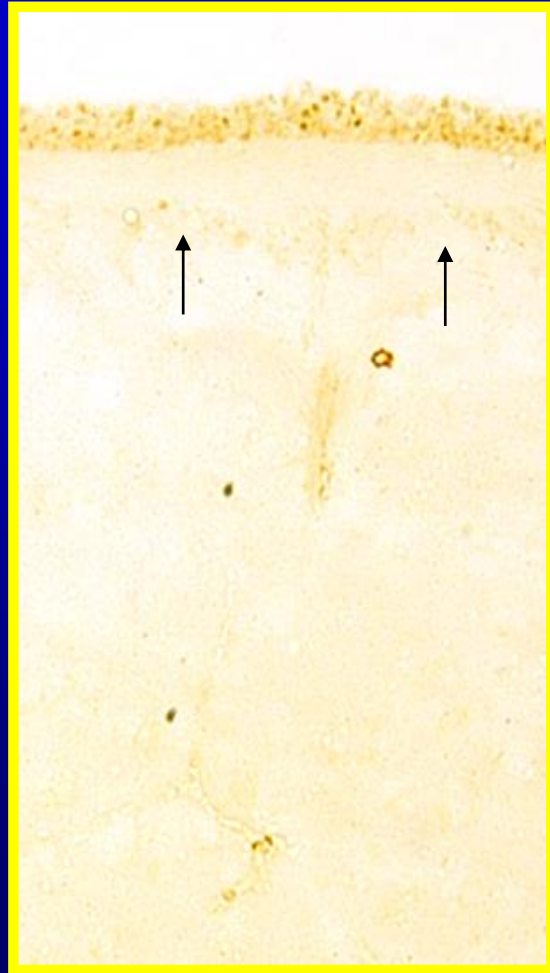


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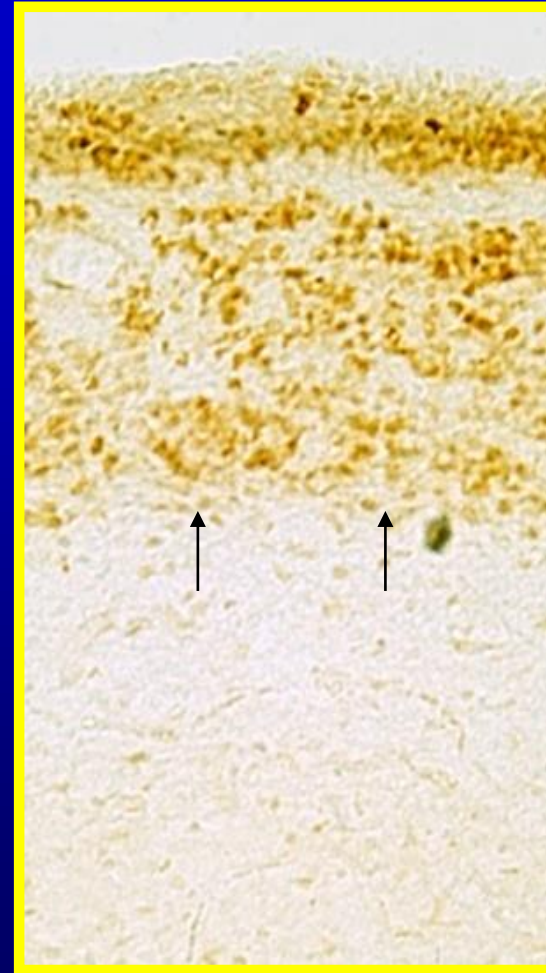


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Unexpected new findings – EUREKA!!
New brain cells in Huntington's Disease



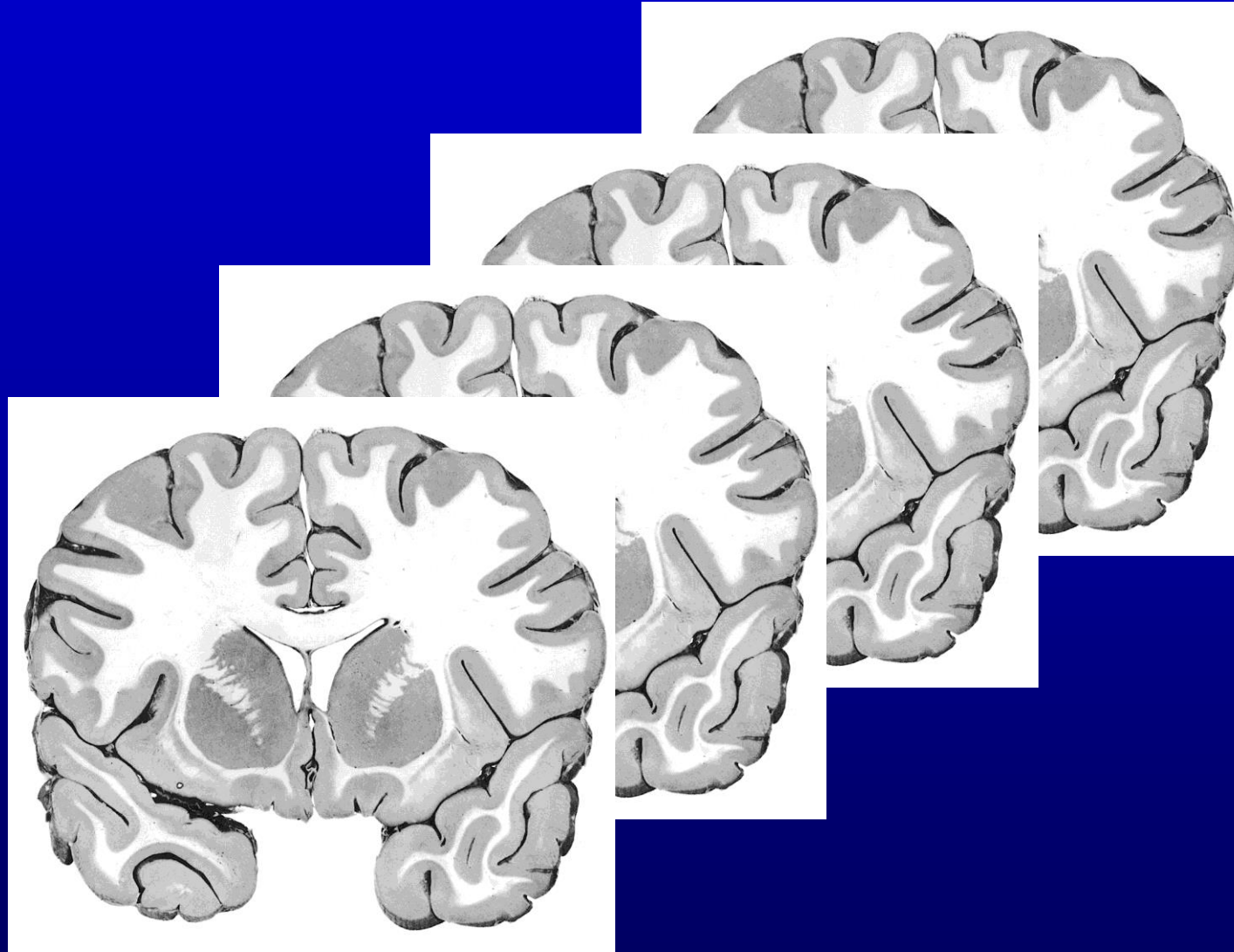
Normal



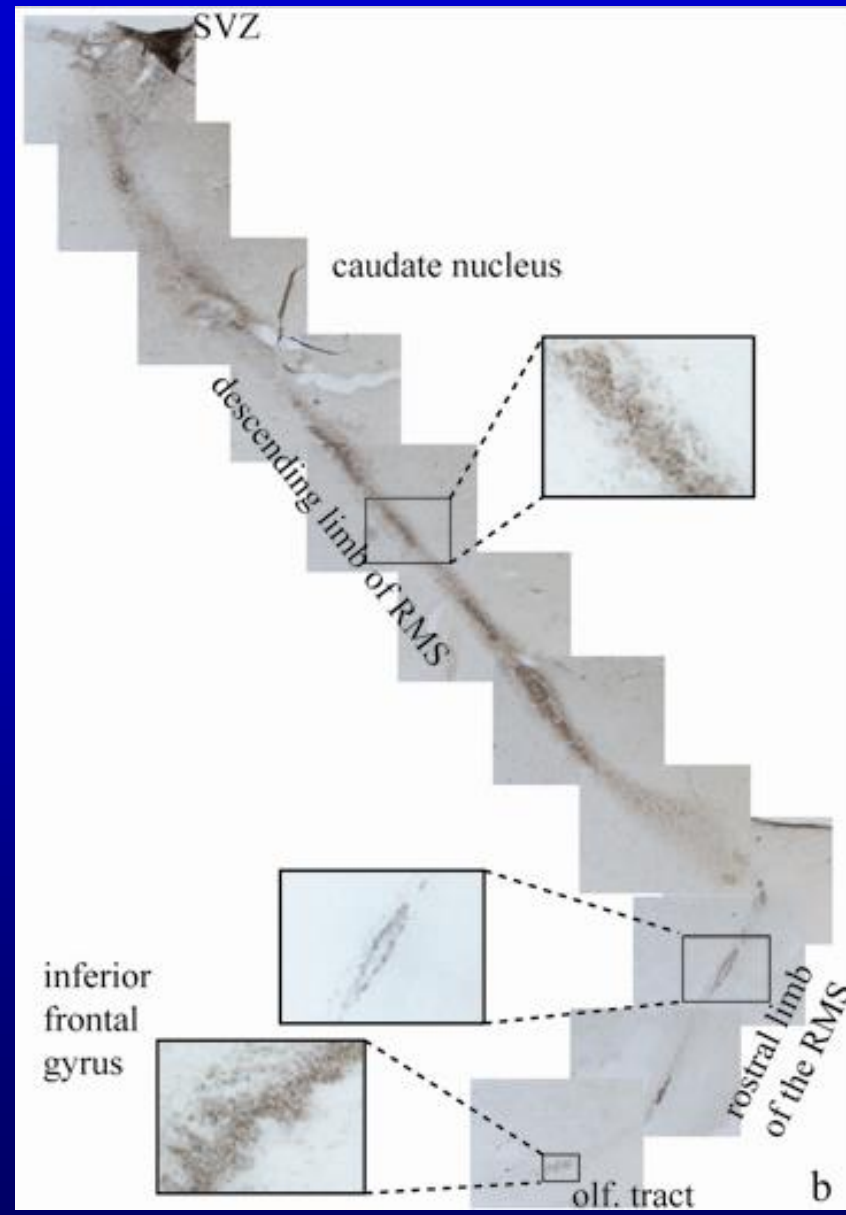
Huntington's Disease

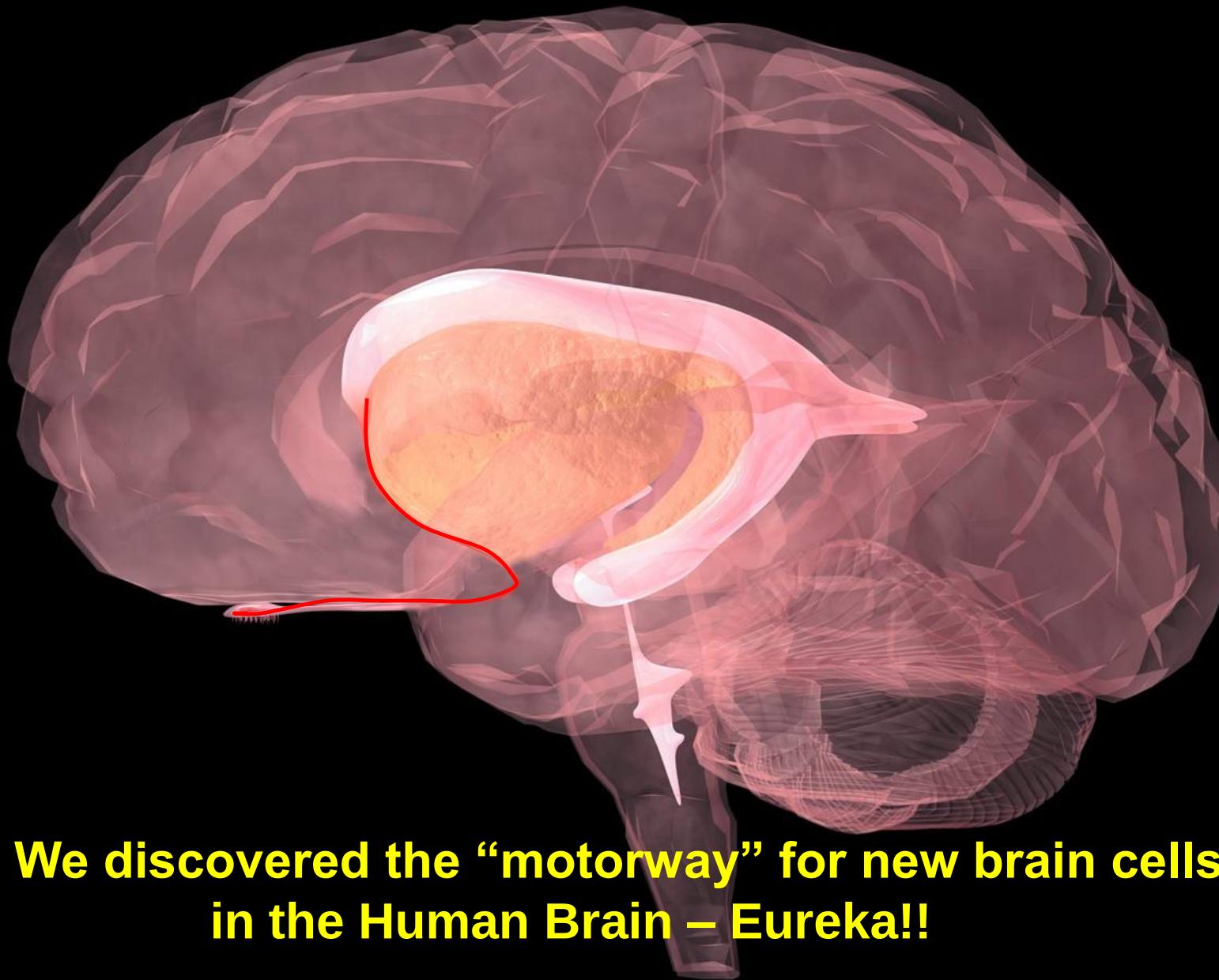


Where is the motorway in the human brain?

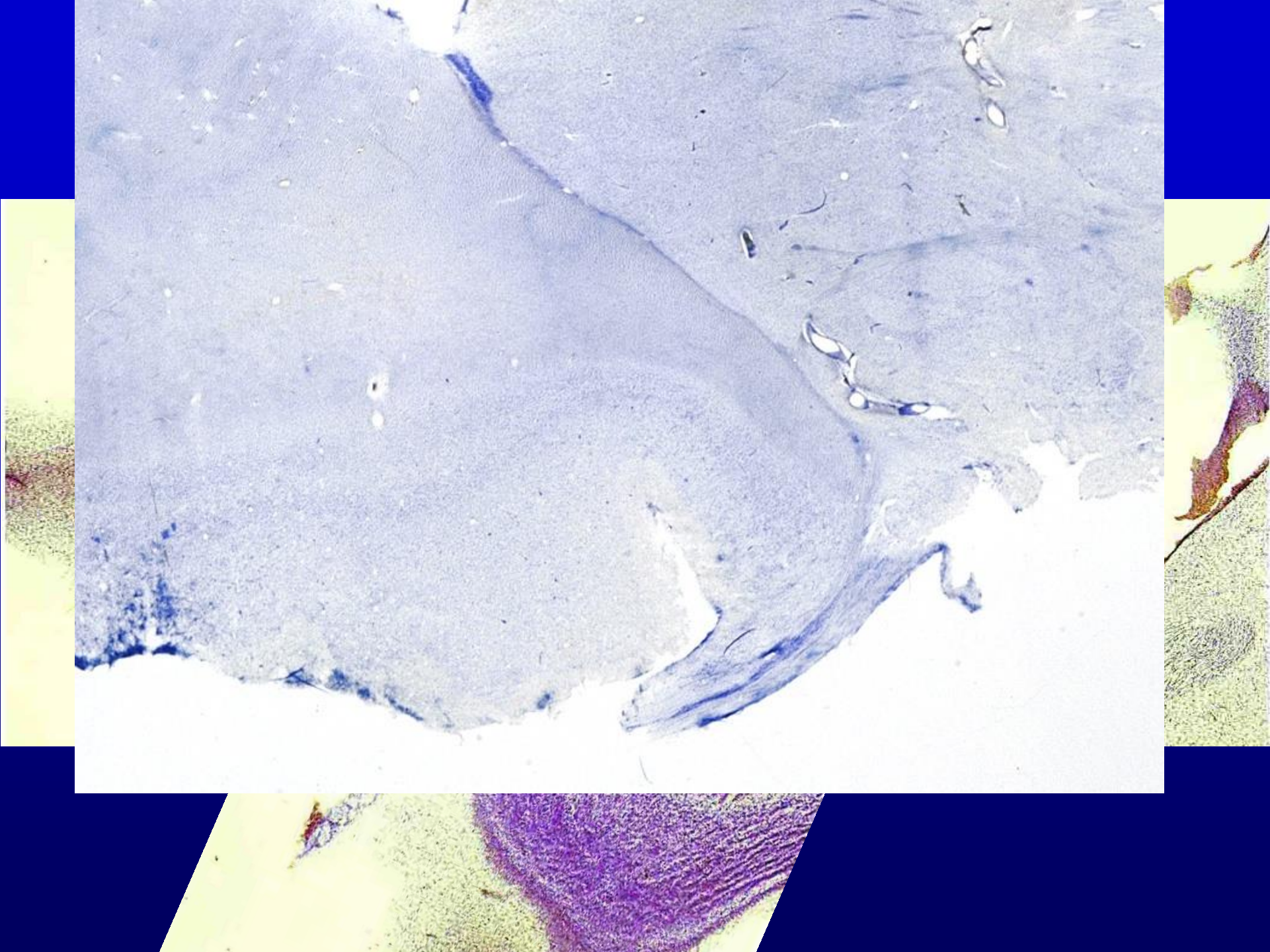


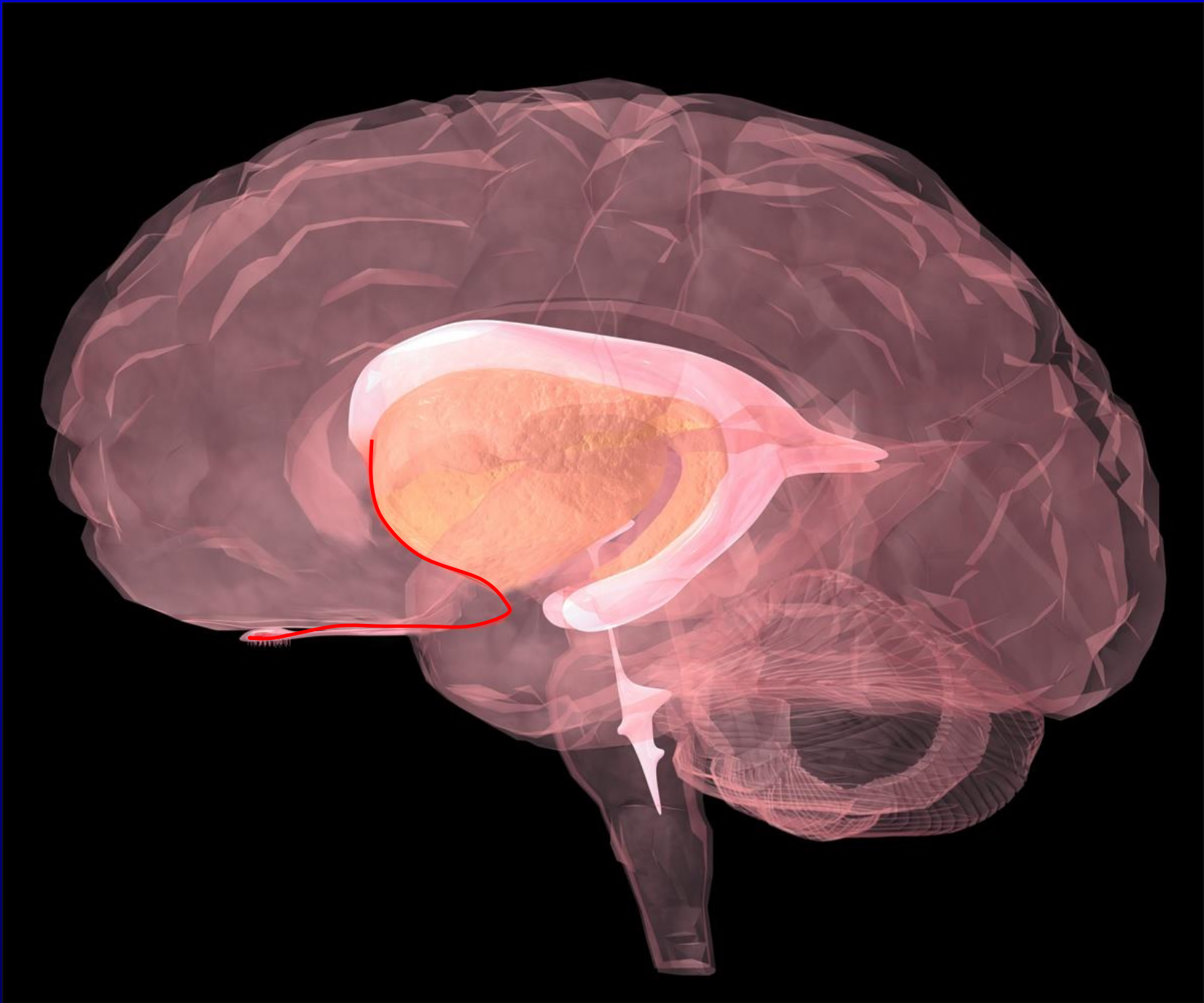






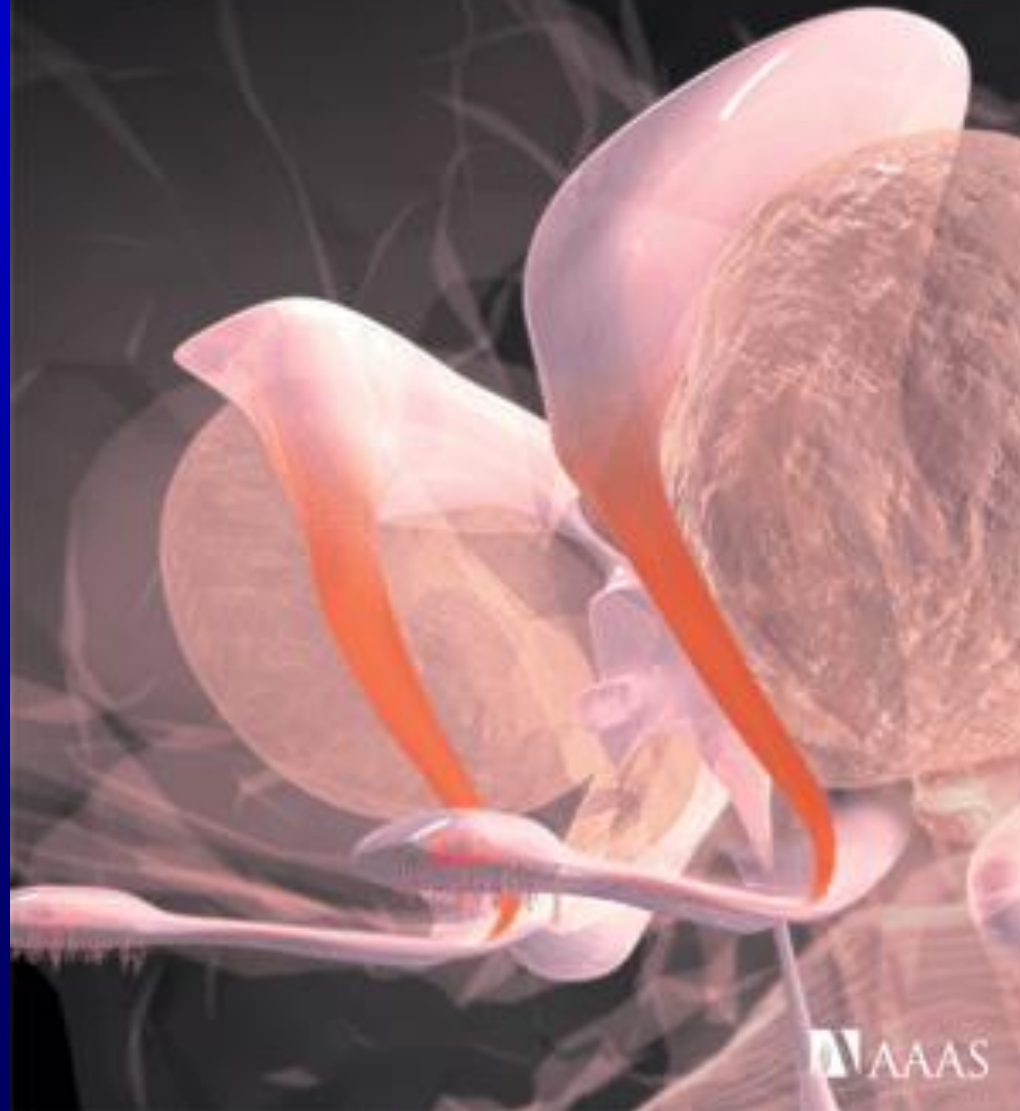
**We discovered the “motorway” for new brain cells
in the Human Brain – Eureka!!**





Science

2 March 2007 | \$10



AAAS

CONCLUSIONS

- The Human Brain makes new brain cells
– this is revolutionary & controversial
- Animal studies show stimulation and exercise
result in increased new brain cells
- Creative thinking makes new brain cells
- “USE IT OR LOSE IT”

