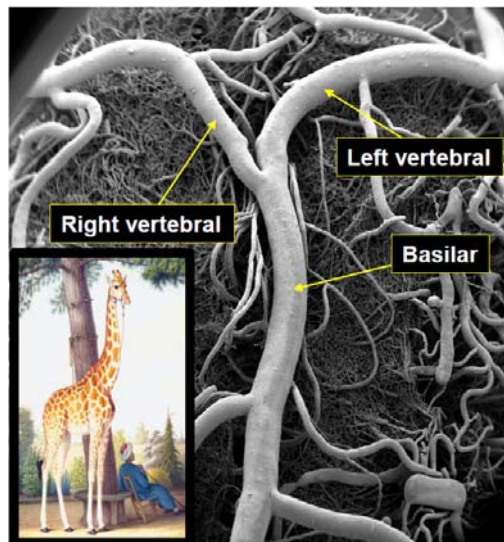




Brain blood flow as a determinant of arterial pressure
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Why is blood pressure 120/80 mmHg?
How is it maintained long term?

I will introduce the hypothesis that brain blood flow is a major determinant of systemic arterial pressure. I will show that chronic restrictions of brain blood flow trigger hypertension in conscious normotensive animals. This has led to the “selfish brain hypothesis of hypertension” by which hypoperfusion of the brain due to increased cerebral vascular resistance triggers systemic hypertension to maintain cerebral blood flow. I will provide data to support this hypothesis in animal models and human patients.



Tuesday the 1st of Nov. at 10.15, Room 234, Building 1135