

Research group: Nathalie KIRSCHVINK



Molecular Physiology
Research Unit (URPhyM)

Vascular physiology

- Glycocalyx
- Endothelium
- Vascular muscle tone

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Our expertise

Animals
and animal
models

Lung
function

Kidney
function

Vascular
function

Endothelial
function

Our translational projects

Pig model of brain death

Arteries and arterioles of
patients undergoing
coronary bypass

Impact of microbiome on
mesenteric vascular
function

Mouse model of ischemia -
reperfusion

Impact of brain death
and tacrolimus
treatment on kidney
function ?

Impact of glycocalyx
preservation on
vascular function in
patients ?

Our investigations

Characterisation
of glycocalyx
function

Visualisation of
glycocalyx
integrity/damage

Ex vivo vascular
tone investigated
by pressure
myography

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Group leader

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Scientific collaborator

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