



RICORS-ICTUS



I Reunión anual RICORS - ICTUS
7-8 Junio 2022 | Madrid

Instituto de Investigación Biomédica de Salamanca (IBSAL)

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RD21/0006/0005
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European Union**
NextGenerationEU





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PLATAFORMAS →



Genómica y Proteómica



Microscopía



Unidad de Diagnóstico
Molecular y Celular



Unidad de Bioinformática
y Bioestadística



Desarrollo de fármacos



Biobanco



Animalario



Unidad de Producción
Celular



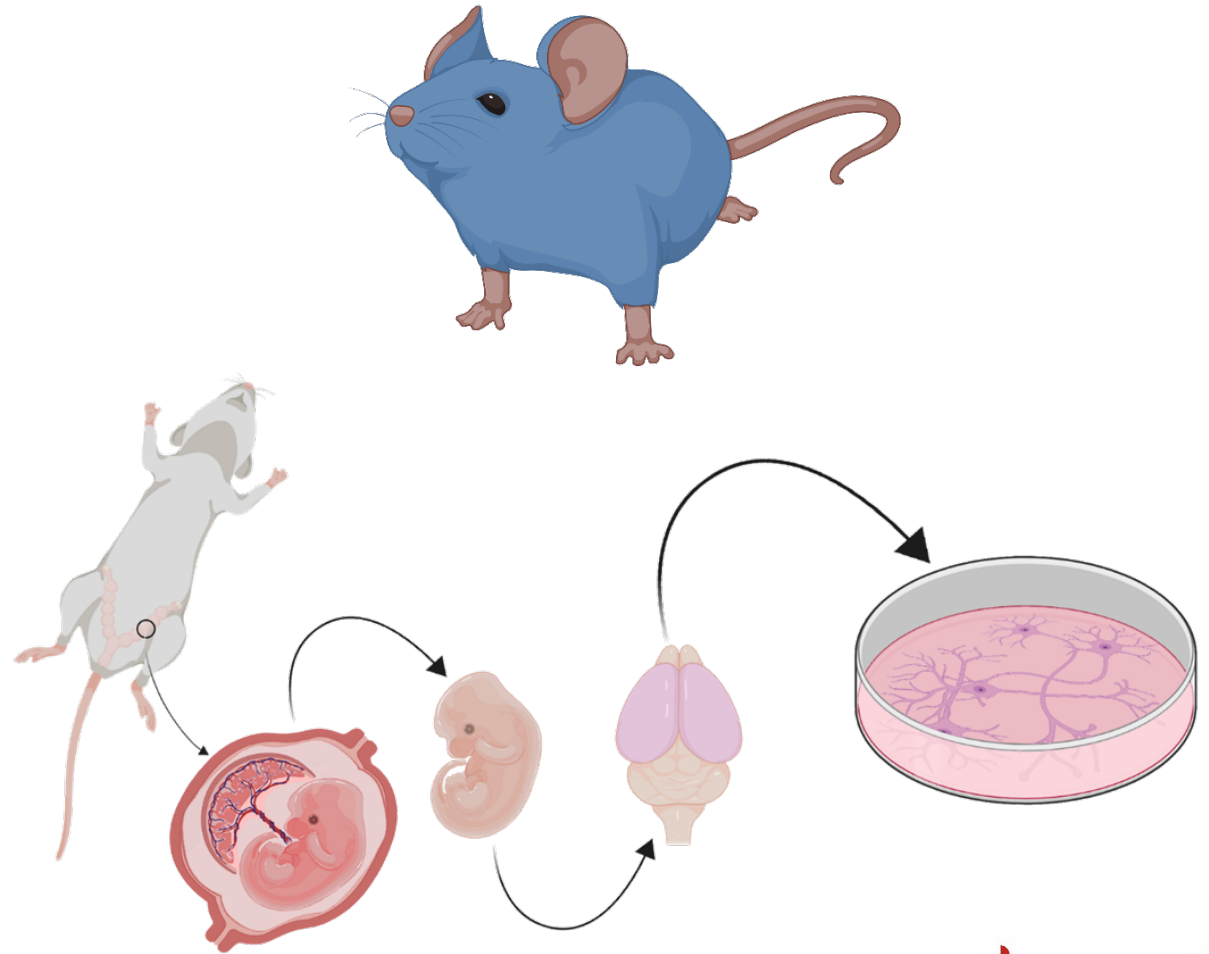
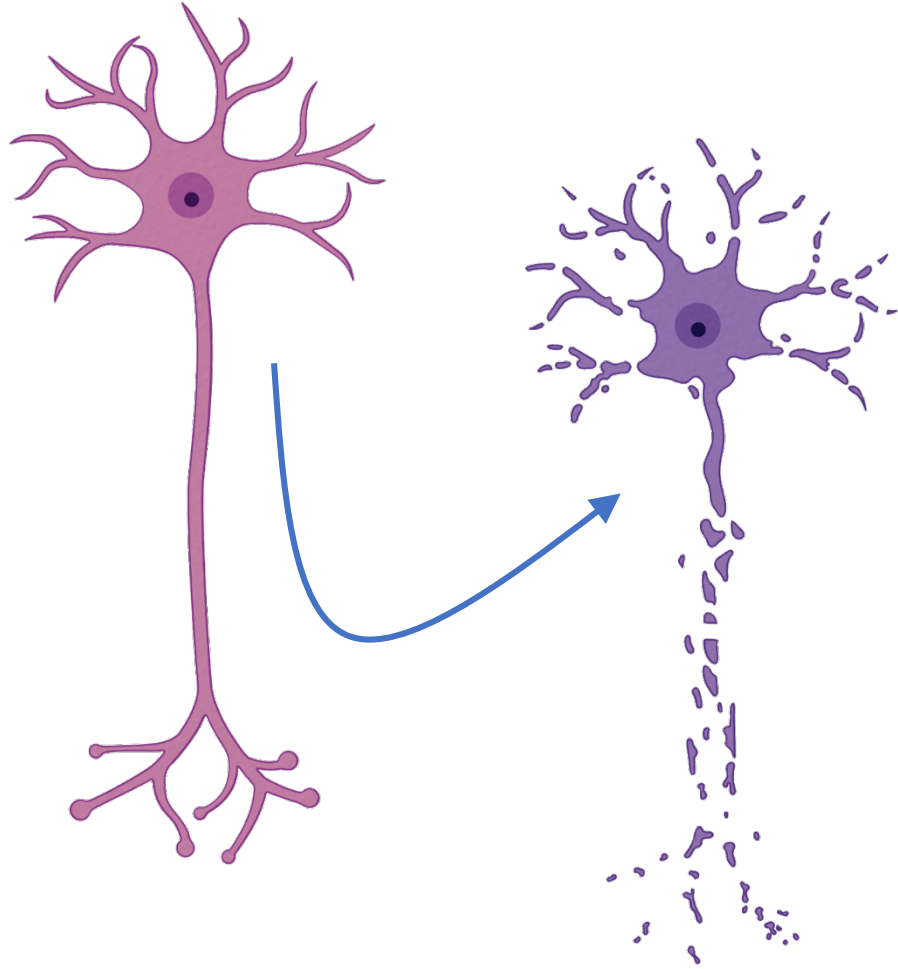
Comunicación y Salud



SCReN

RD06/0026/1008

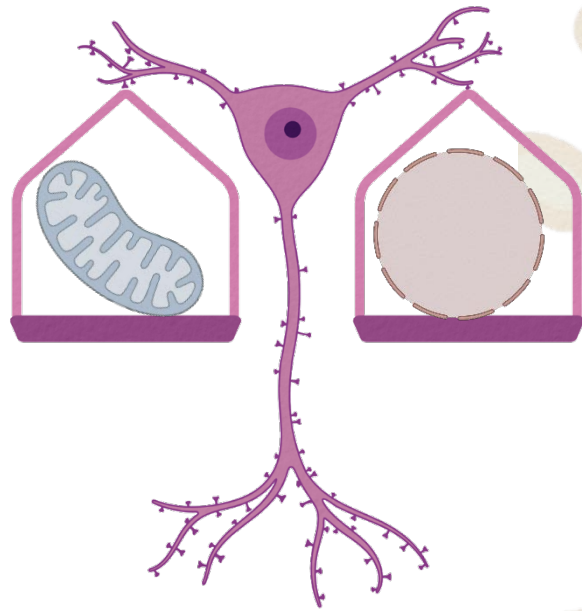
Neuronal survival/death



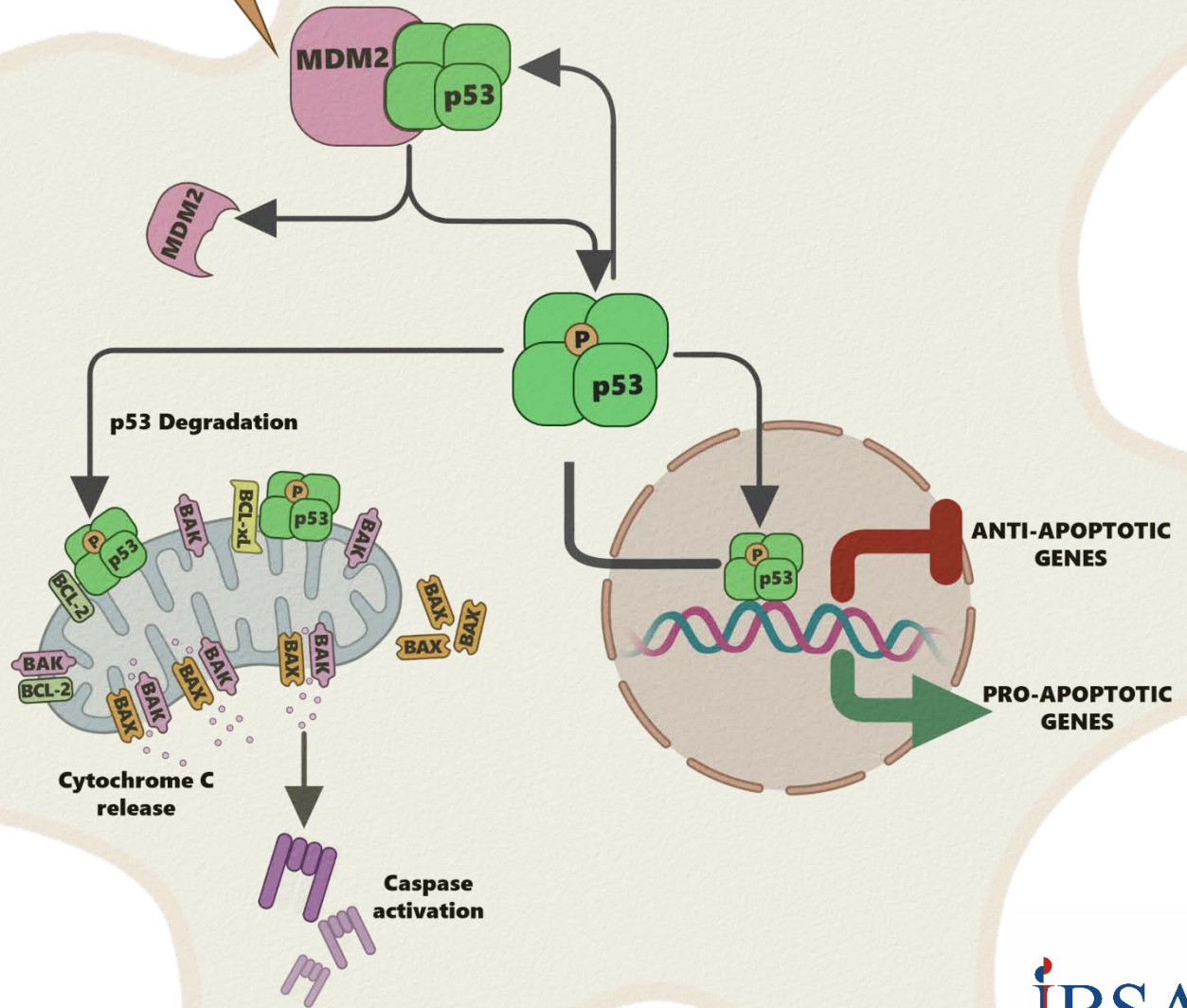
RD06/0026/1008

Ischemia

MDM2/p53



Neuronal death/survival

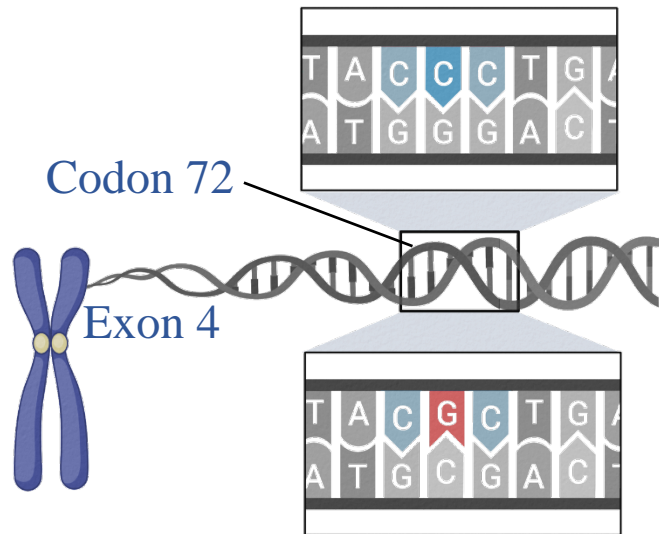


SNP Tp53 Arg72Pro

Tp53

Chr17p13.1

SNP Tp53 Arg72Pro

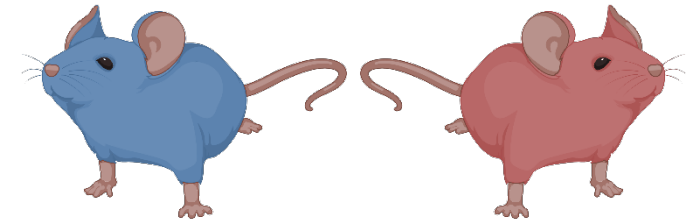


CCC (Pro72-p53) **PRO**
CGC (Arg72-p53) **ARG**

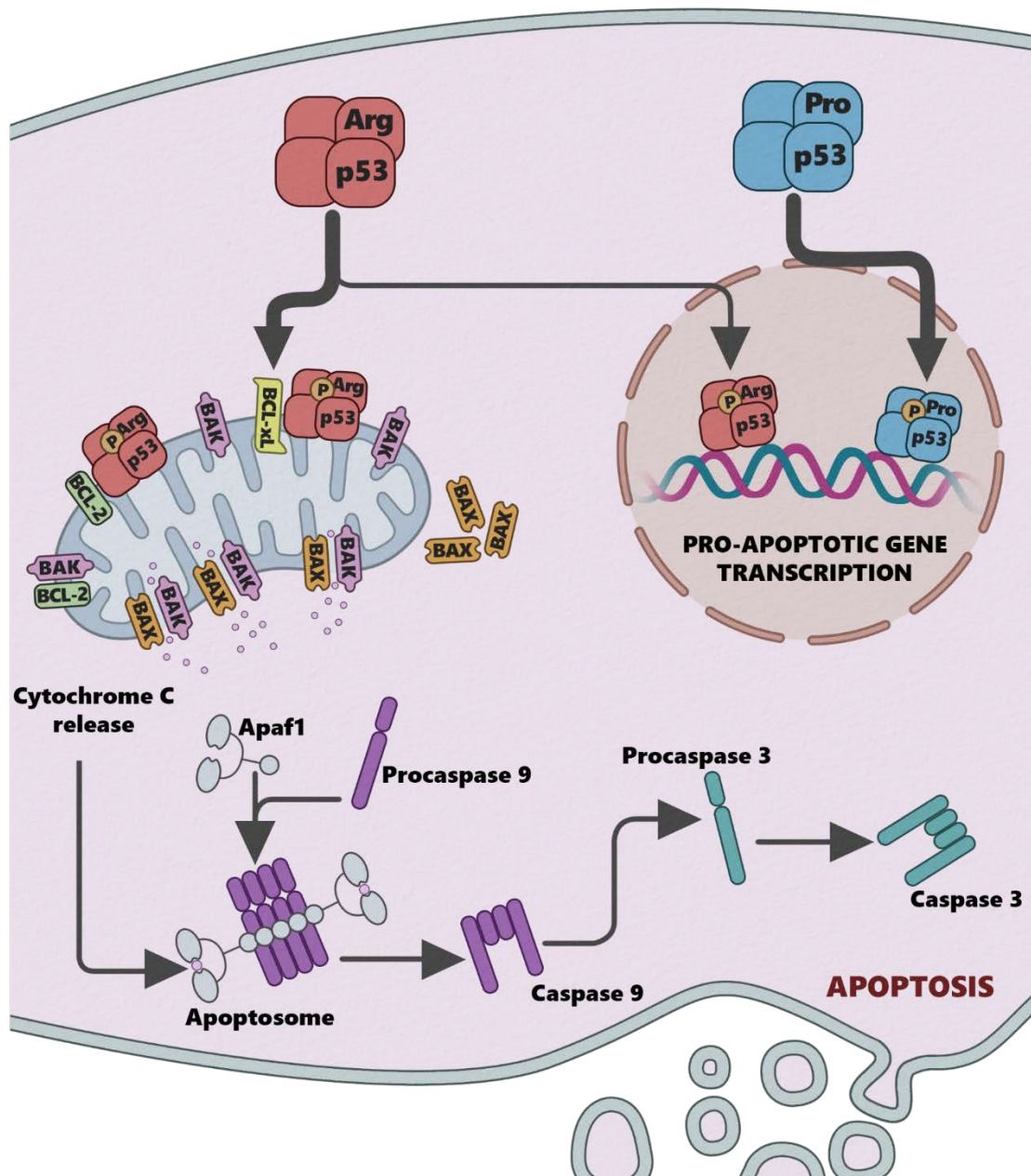
Proapoptotic role of p53

KI Pro⁷²-p53

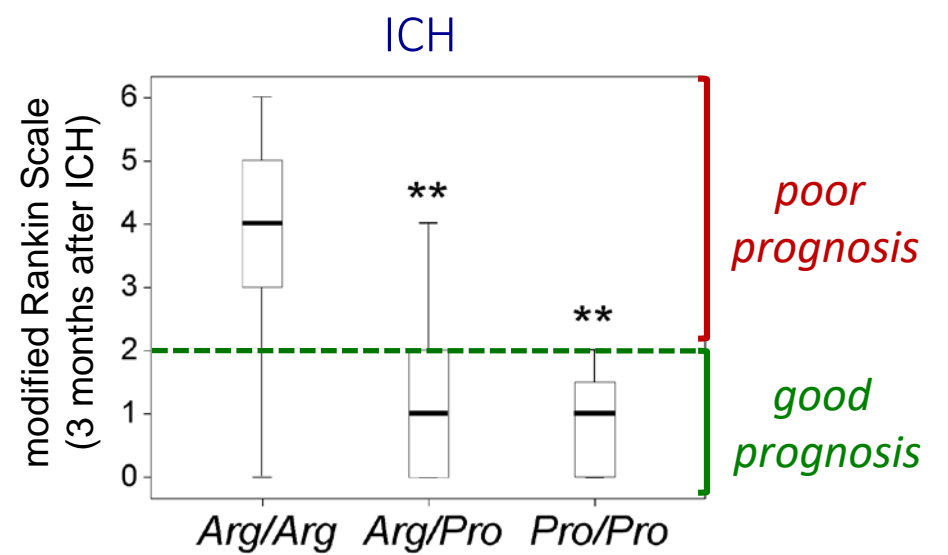
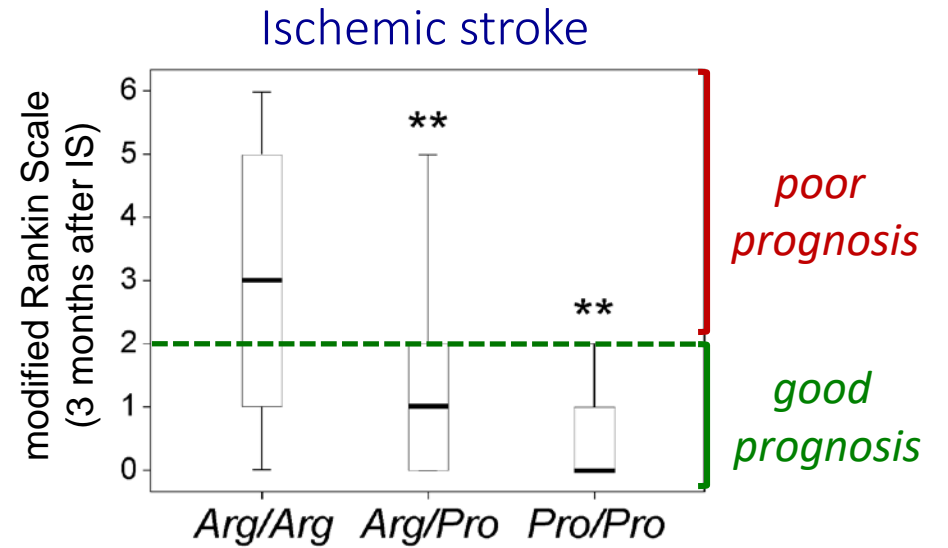
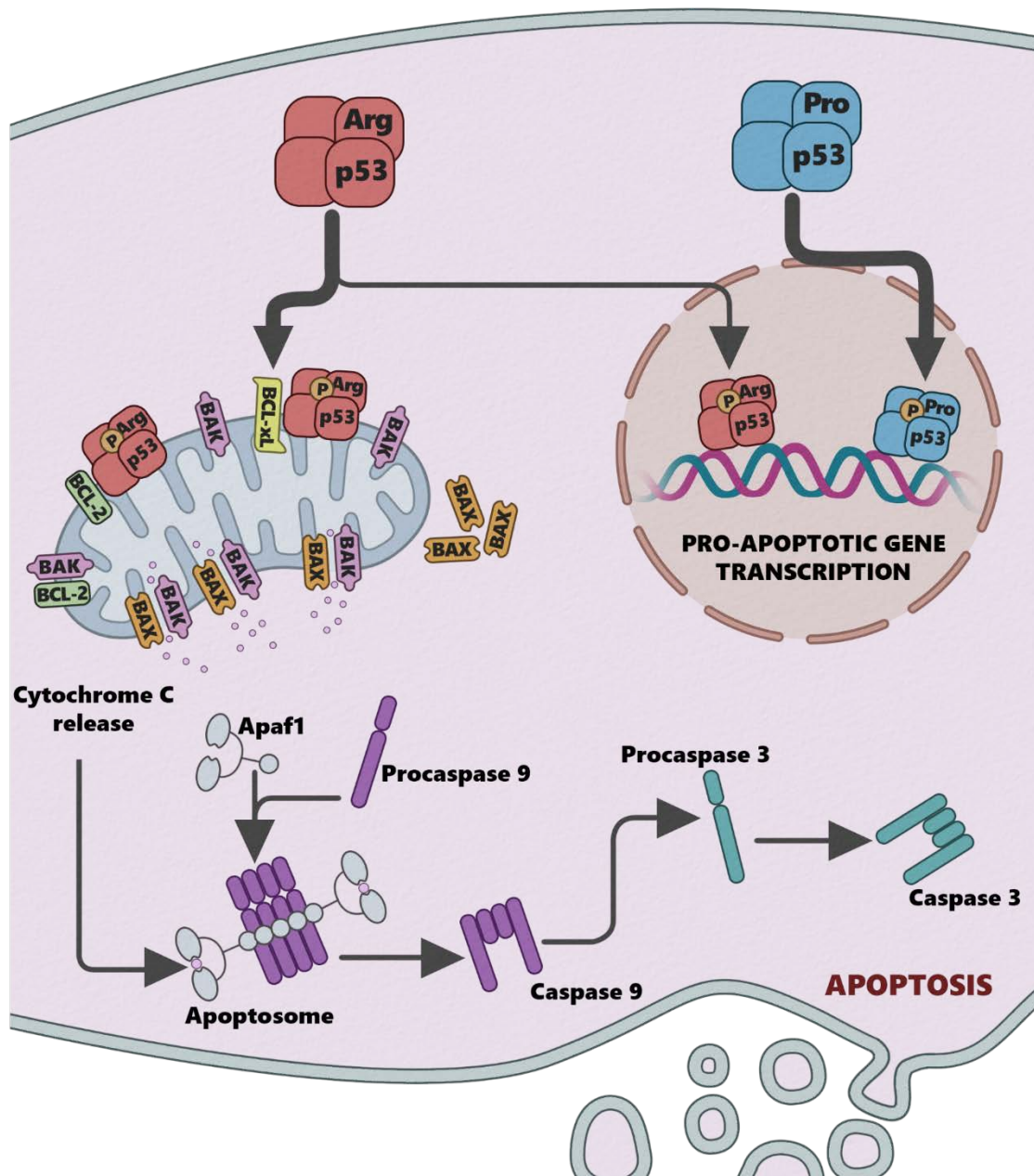
KI Arg⁷²-p53



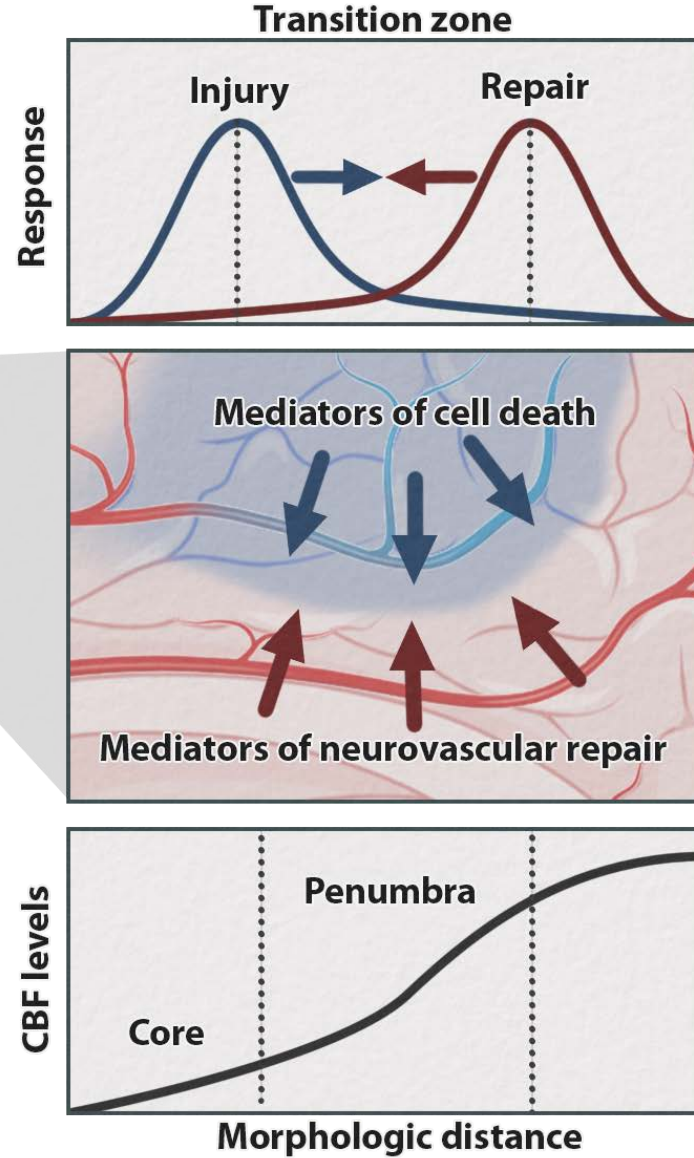
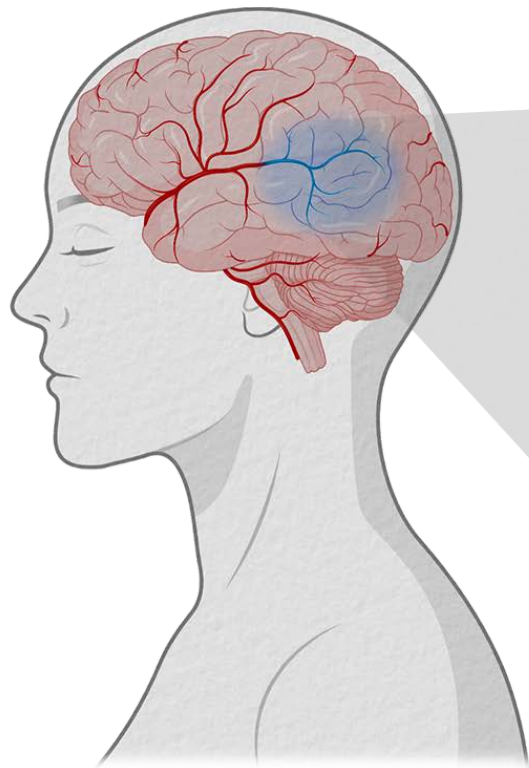
The Arg72-p53 variant, but not Pro72-p53, interacted with mitochondrial Bcl-xL and activated the intrinsic apoptotic pathway



The Arg/Arg genotype is a genetic marker of poor functional outcome after stroke



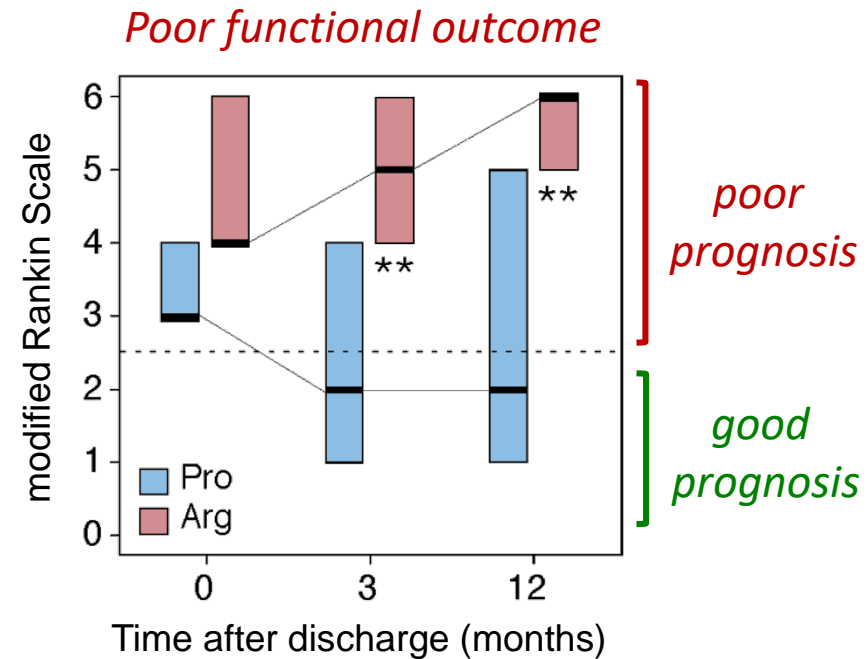
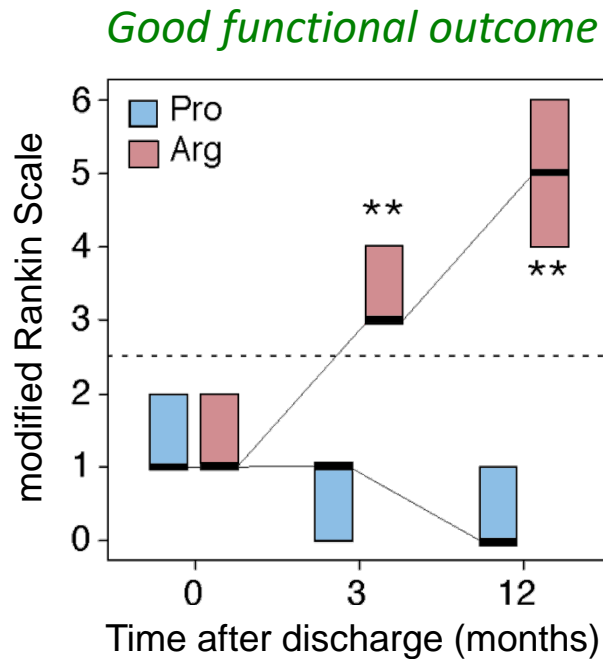
Brain damage/repair



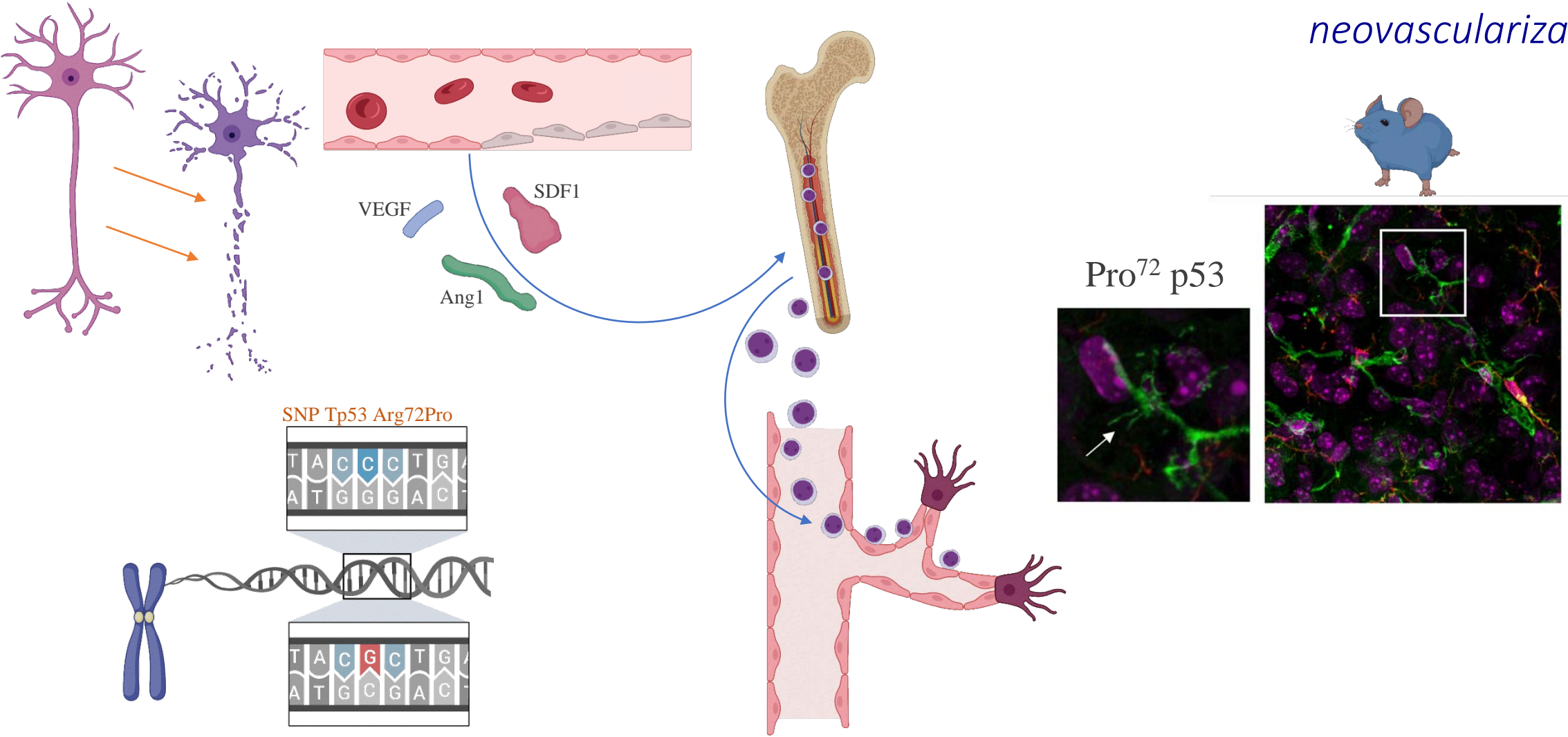
Functional recovery of patients

Tp53-codon 72 Pro allele-carrying subjects are protected against long-term poor functional outcome after ICH, whereas the homozygous Arg allele is associated to poor prognosis

ICH

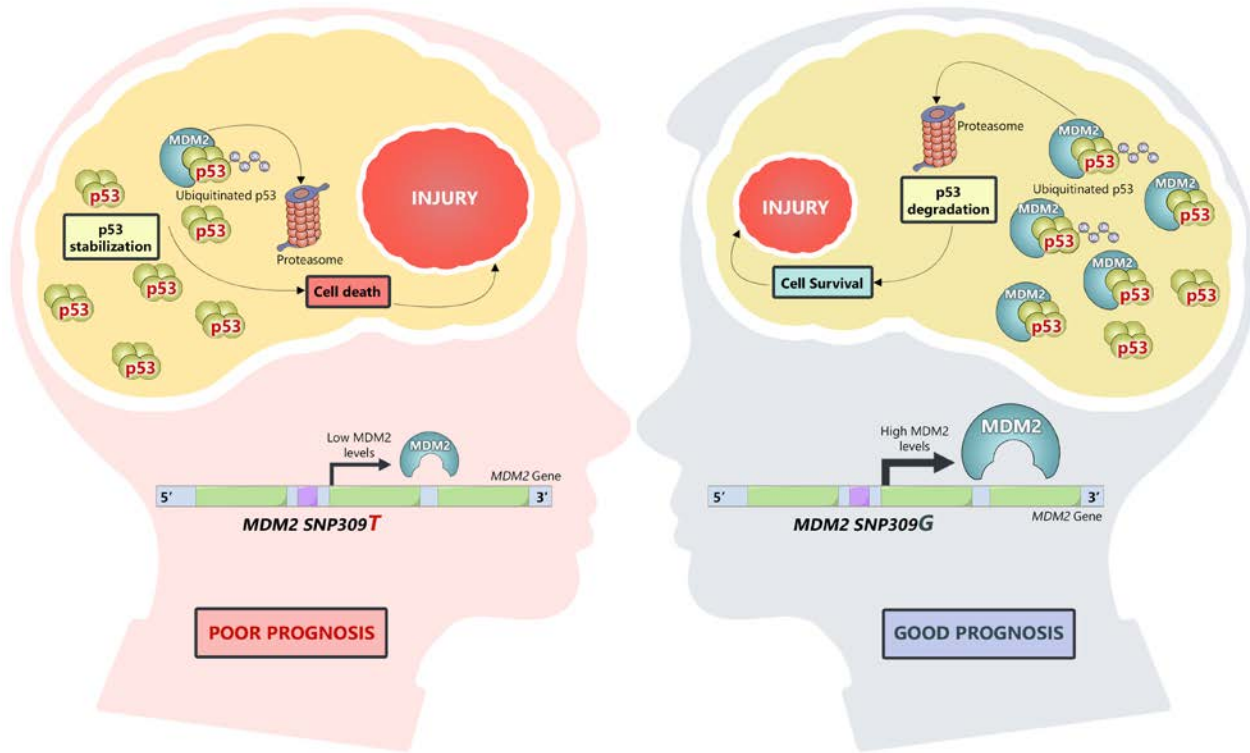


The *Tp53* Arg72Pro SNP modulates endothelial cell survival, which promotes EPC mobilization and neovascularization



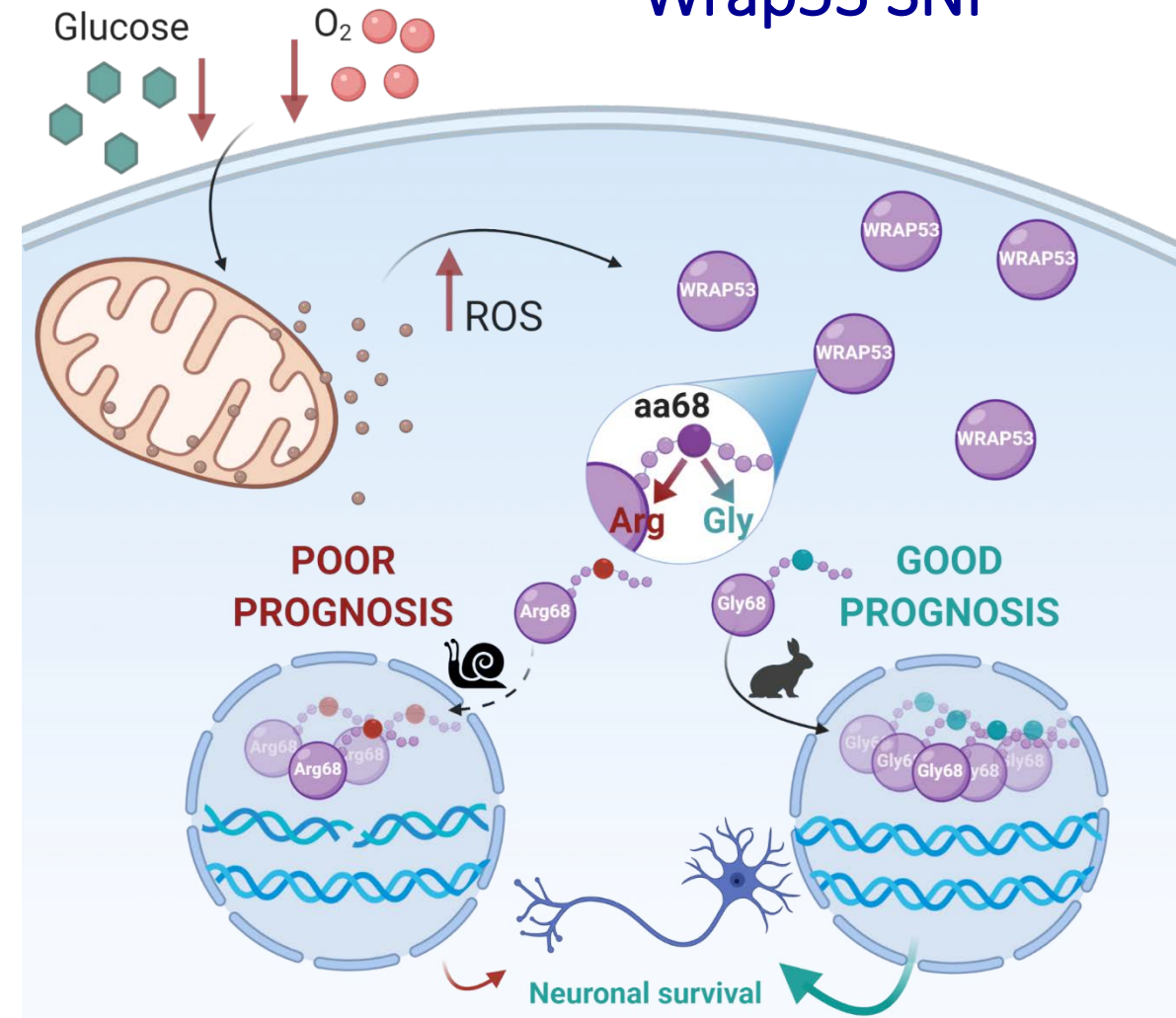
RD016/0019/0018

MDM2 promoter SNP

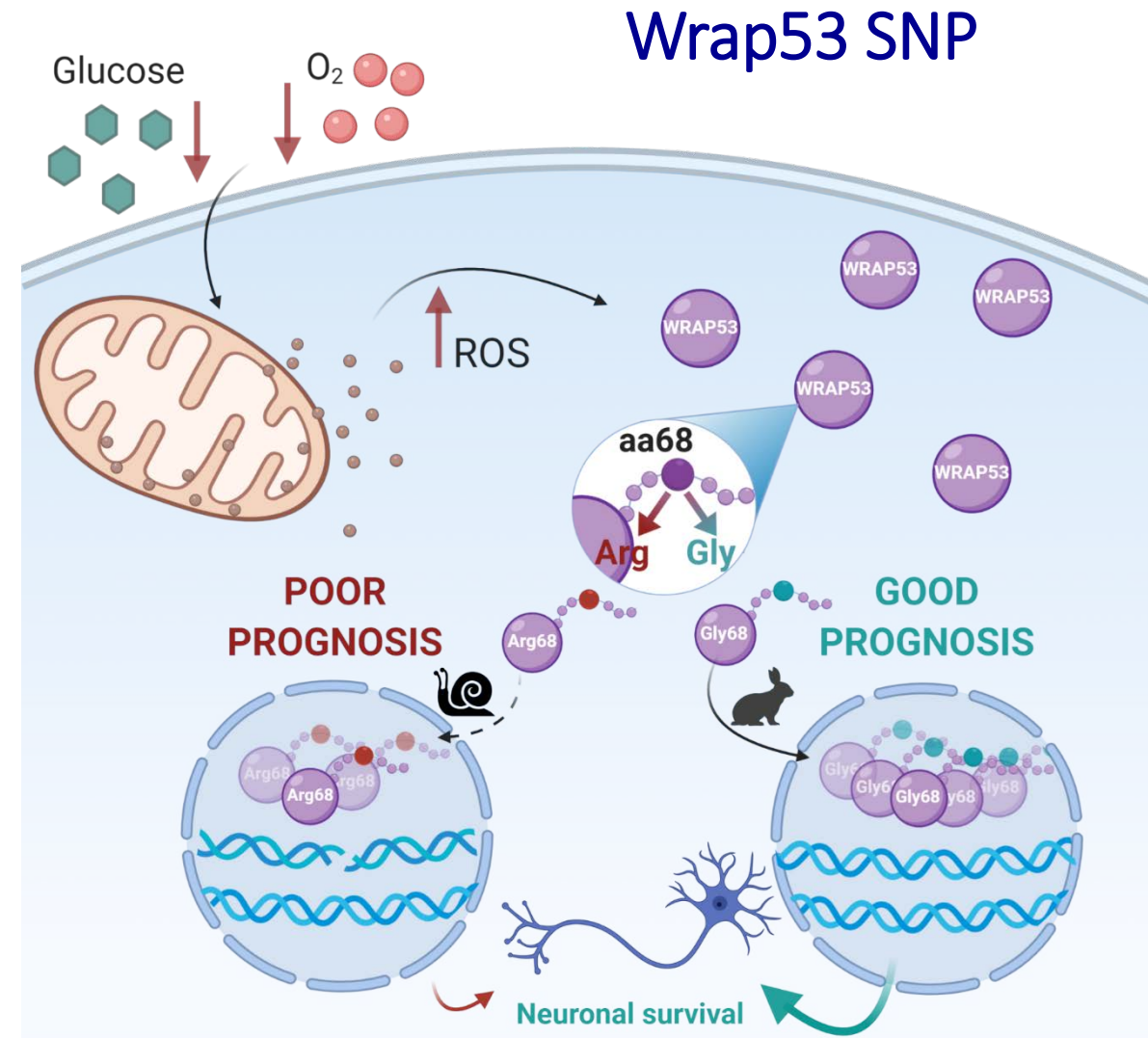
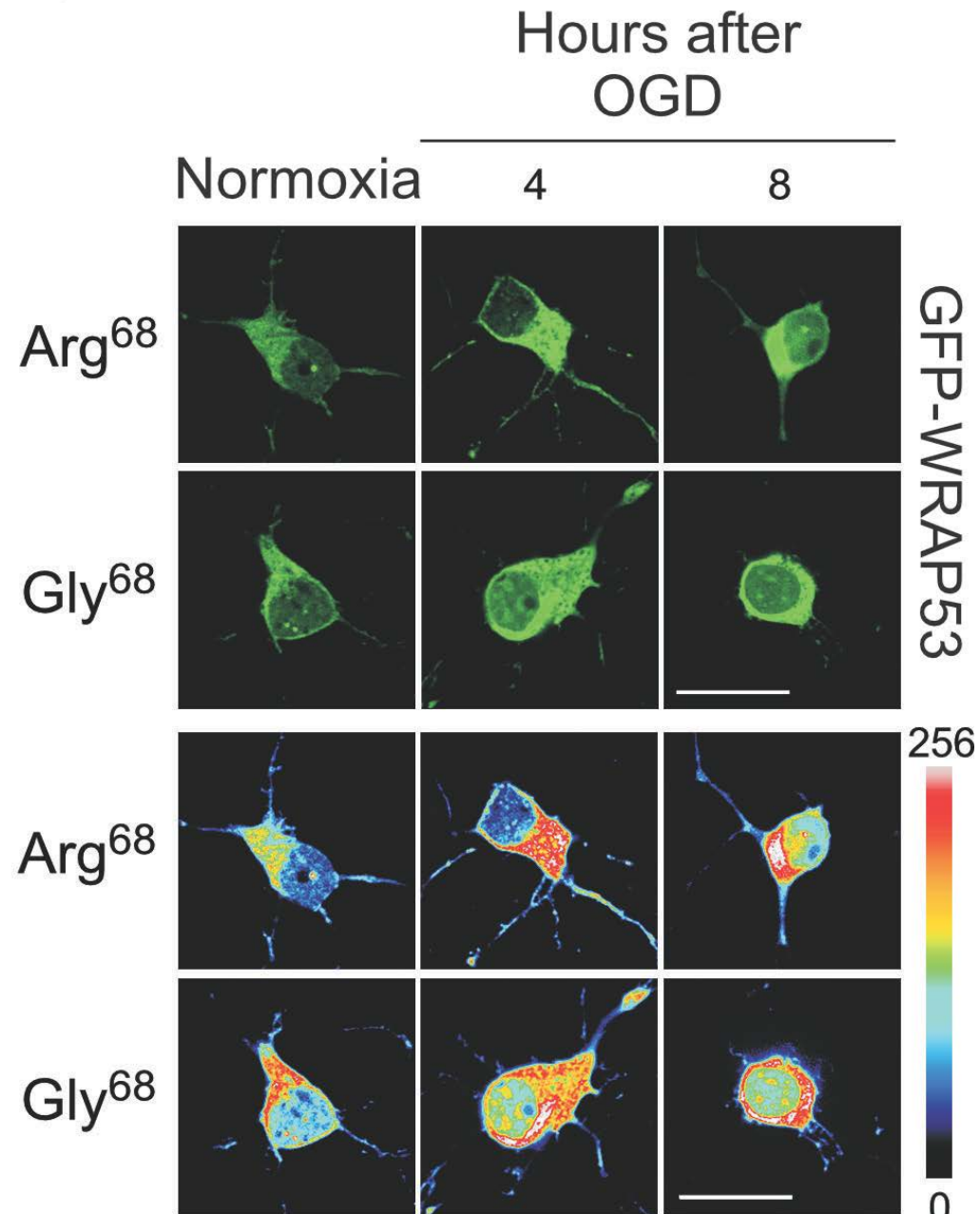


Rodriguez *et al* (2018) *Stroke* 49: 2437

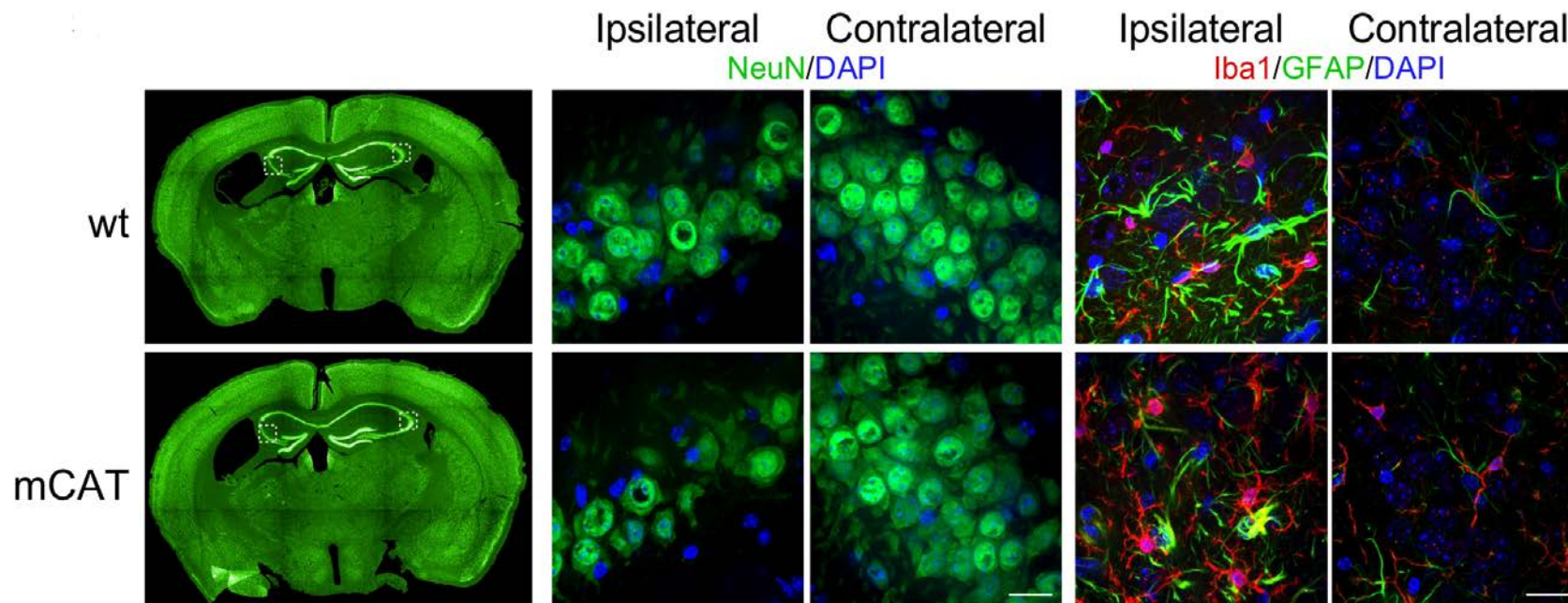
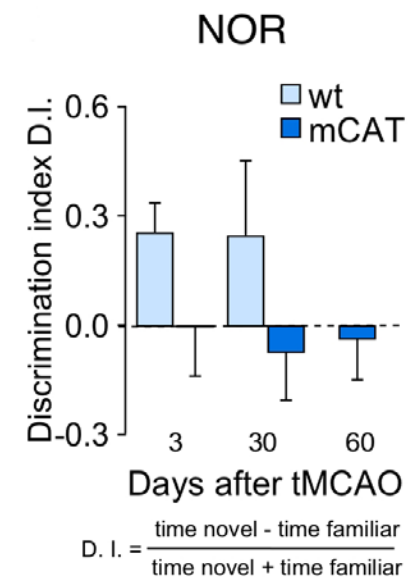
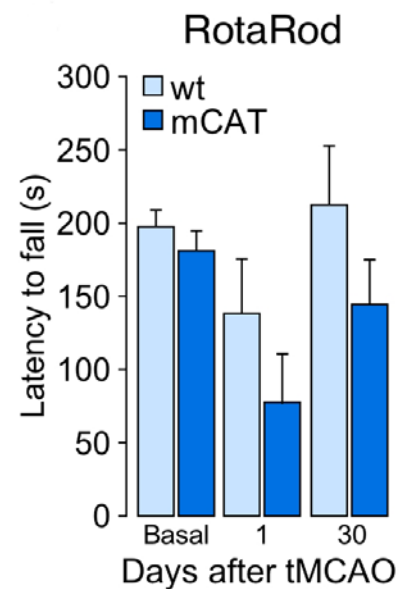
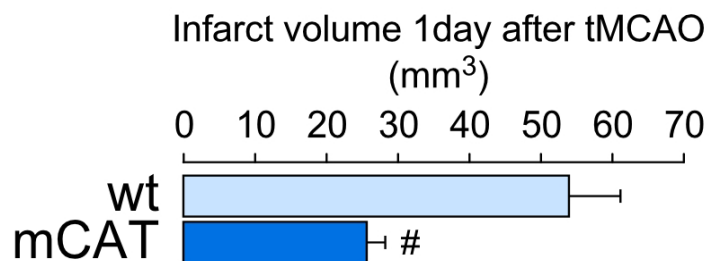
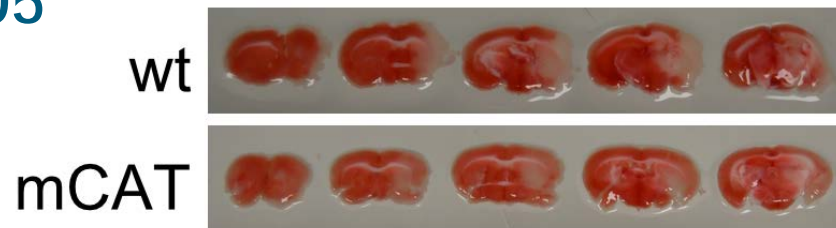
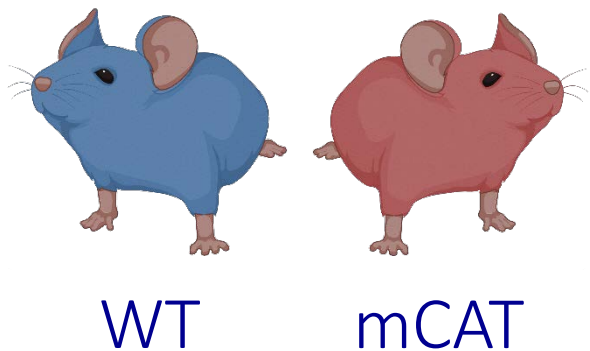
Wrap53 SNP



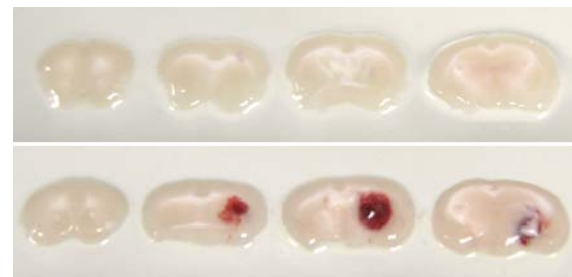
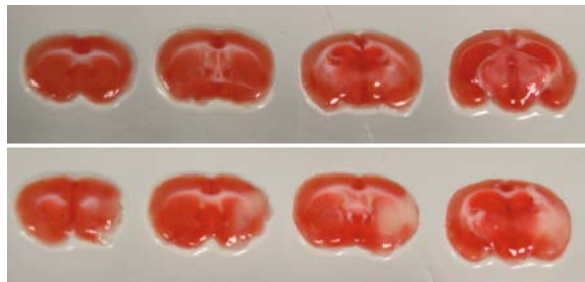
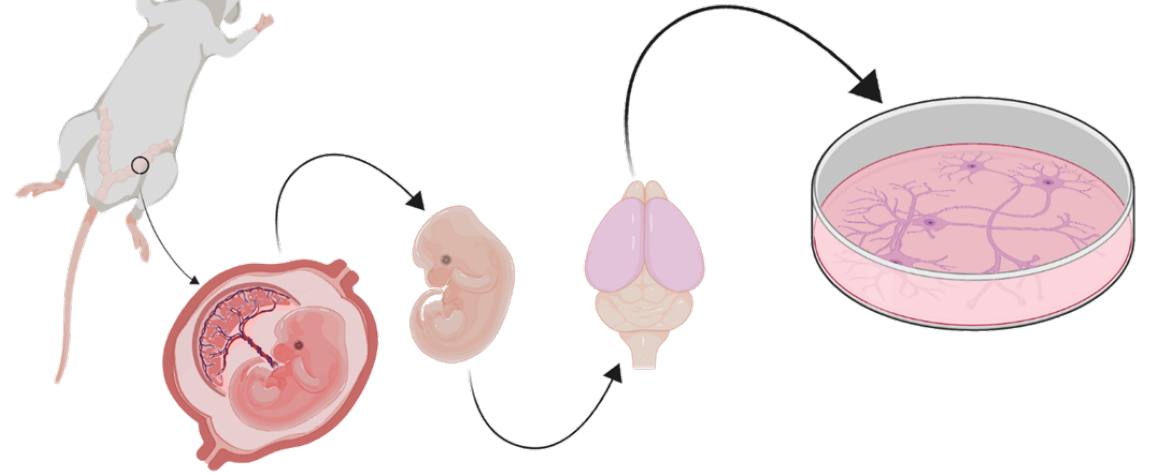
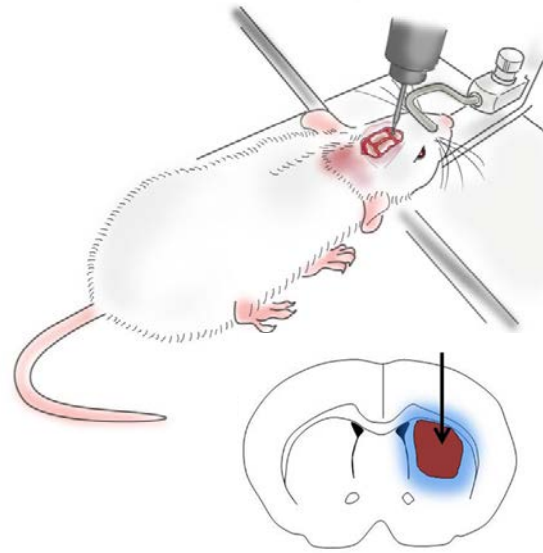
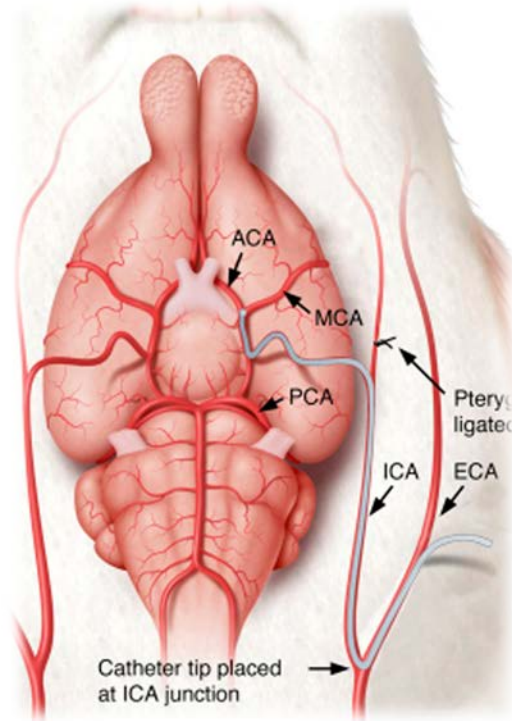
Sánchez-Morán *et al* (2020) *Sci Adv* 6:eabc5702



RD021/0006/0005



RD021/0006/0005



Unidad Comportamiento Animal

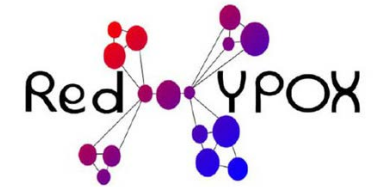


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Junta de Castilla y León



FUNDACIÓN RAMÓN ARECES



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