The erc experience

António Jacinto
CEDOC – Chronic Diseases Research Center
NOVA Medical School
NOVA University Lisbon

Epithelial Resealing

2008 – 2013 (… 2014)

Figure 1 – Screen diagram

For the pilot screen we have used our laser wounding assay to wound 40-60 homozygous embryos at stage 15, for each of the insertion lines tested. The embryos were let to develop to the next day and the wound phenotypes were score.

Table 1 – Summary of pilot screen results

Summary of the pilot screen in which we have scored the wound healing phenotypes of 653 insertion lines. We have isolated 11 lines that exhibit a number of unclosed wounds considered significant (above 30%). The genes identified reflect a variety of potential functions most of with are compatible with a role in epithelial resealing. (a) Average number of embryos with unclosed wounds in 3 independent experiments, each using 40-60 embryos.

Insertion line	Phenotype (a)	*Gene*	Predicted function
18890	76%	*CG2813*	Unknown
11417	32%	*mRpS2*	Mitochondrial small ribosomal unit
17887	38%	*Arc-p20*	Cytoskeleton, component of Arp2/3 complex
18373	41%	*CG4389*	Fatty acid β oxidation

Building up the **The Idea**

Building up the **The Idea**

Writing **The Project**

Building up the **The Idea**

Writing **The Project**

Waiting for the **The Results**

Building up the **The Idea**

Writing **The Project**

Waiting for the **The Results**

Doing **The Experiments**

Building up the **The Idea**

Writing **The Project**

Waiting for the **The Results**

Doing **The Experiments**

Dealing with **The Host Institution**

Building up the **The Idea**

Writing **The Project**

Waiting for the **The Results**

Doing **The Experiments**

Dealing with **The Host Institution**

Publishing **The Papers**

Building up the **The Idea**

Writing **The Project**

Waiting for the **The Results**

Doing **The Experiments**

Dealing with **The Host Institution**

Publishing **The Papers**

What to do **NEXT**

The People