

Hereditary memories about Jerry's family

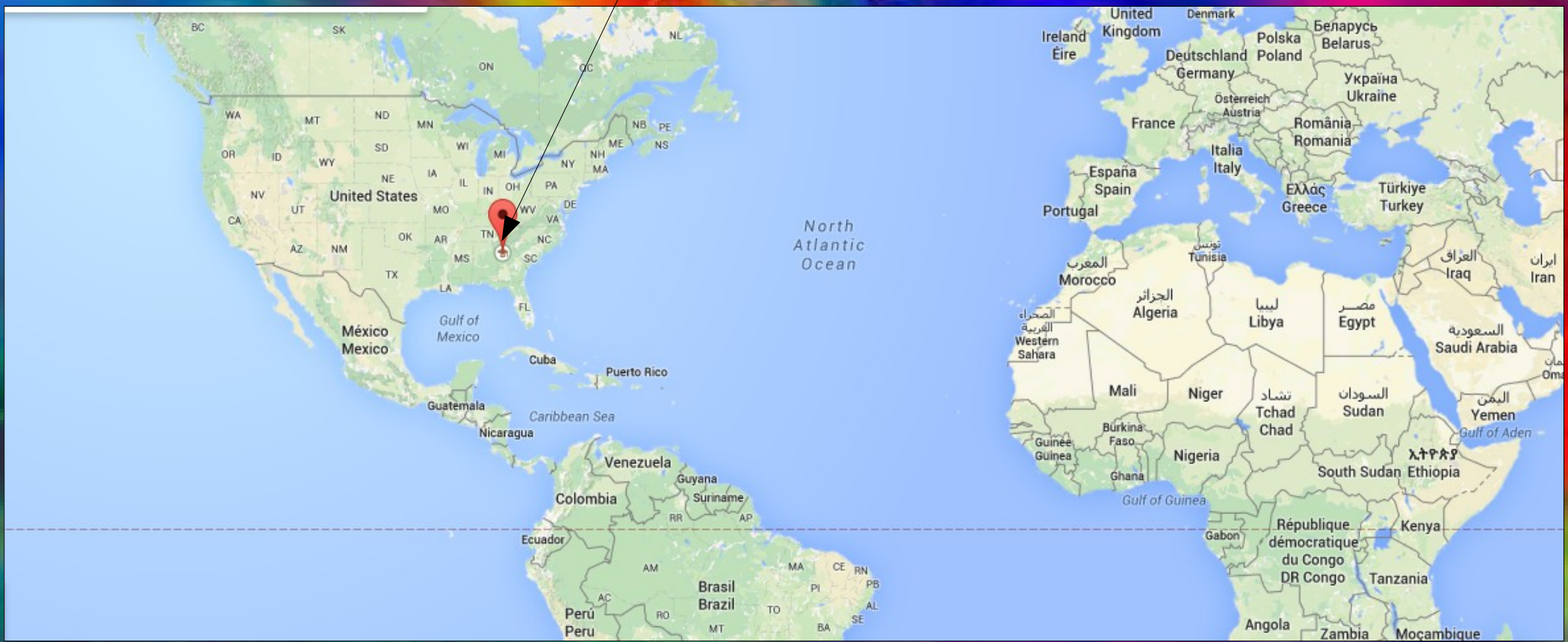
By the journalists :
Hajar and Bertille

An experiment
from the Emory
University in
Atlanta on
December
2013



EMORY
UNIVERSITY

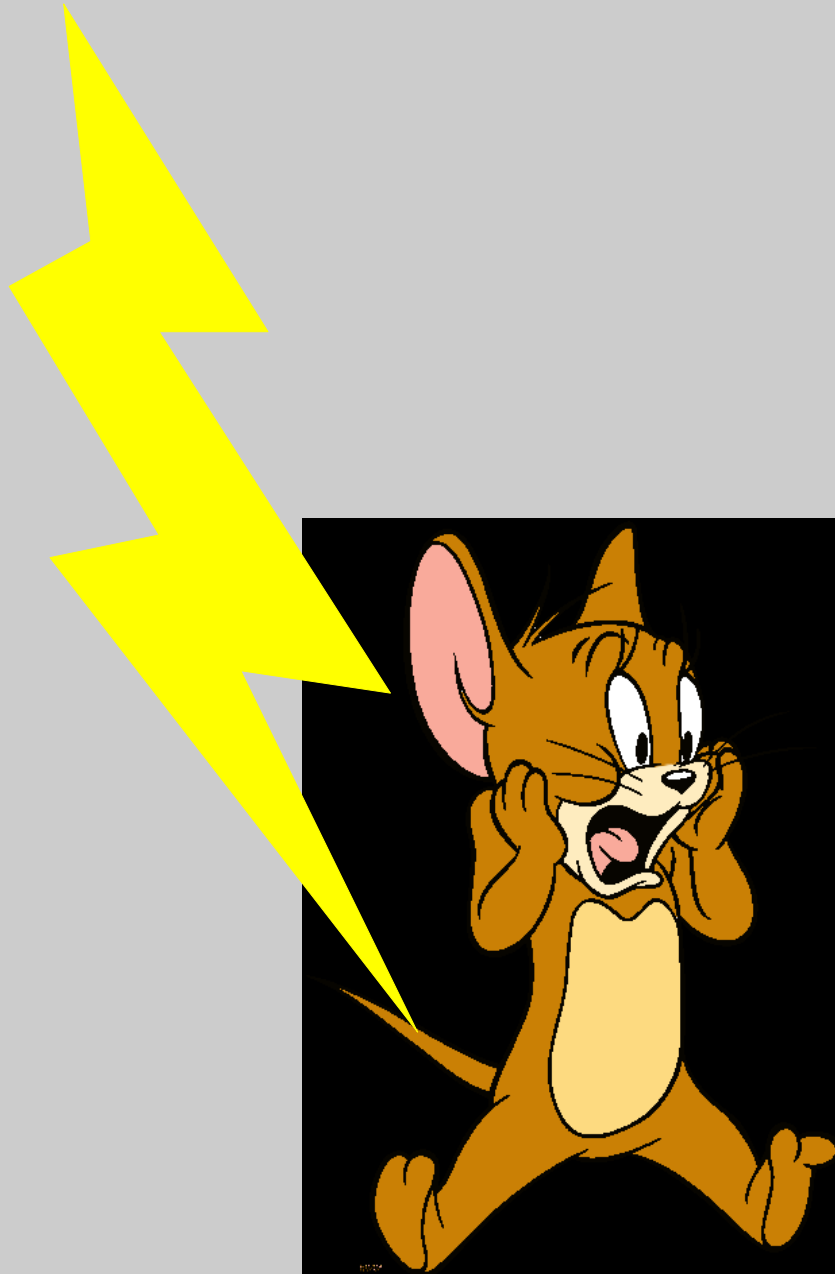
English French
DNA = ADN



1- Put a male mouse in a box



2- Add : **Electric shocks** + smells of acetophenone



5 times/day
during 3
days

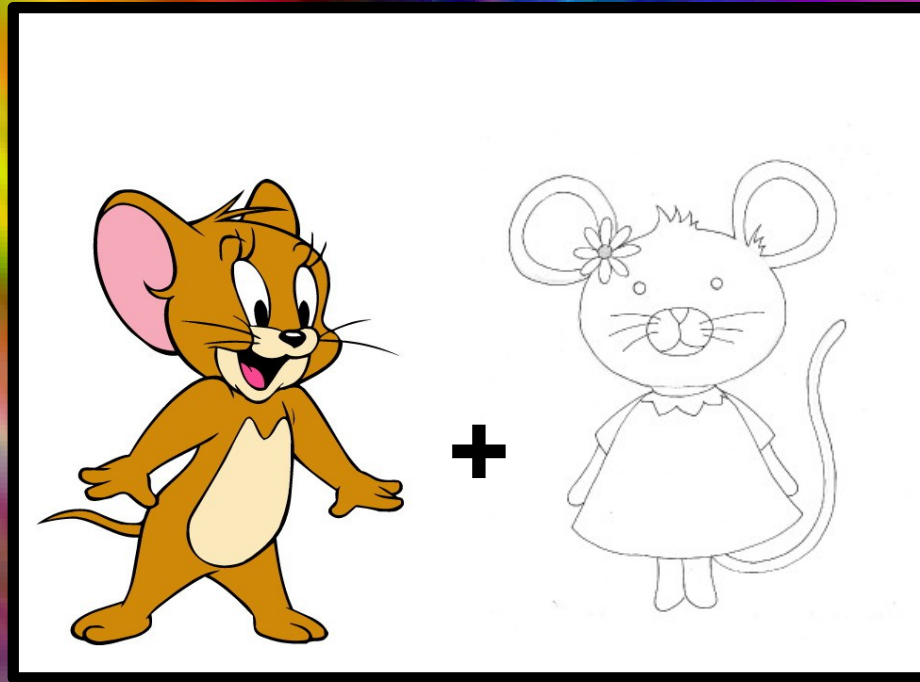
So ...



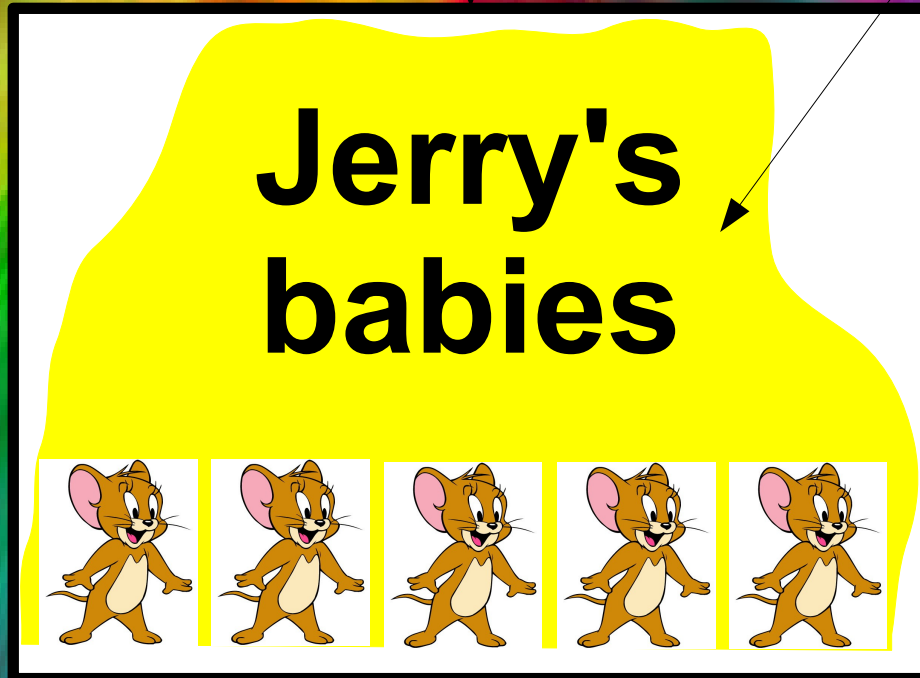
Acetophenone

The **male mouse** is afraid of the smell of acetophenone.

Male mouse
(=Jerry)



Female mouse



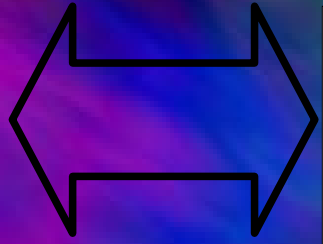
And...



Jerry's babies

Smells of acetophenone

Jerry's babies are
afraid of the smell
of acetophenone



Jerry's babies remember
their father did not like the
smell of acetophenone

=

**Memories transmit by
DNA**



Jean-Baptiste
Lamarck
(1744-1829)

« Tout ce que la nature a fait acquérir ou perdre aux individus (...), elle le conserve pour la génération de nouveaux individus ».

Sources :

- **Sciences et vie (N. 1164 bis, septembre 2014)**

http://fr.wikipedia.org/wiki/Jean-Baptiste_de_Lamarck

- **Reverso traduction, dictionnaires d'anglais (...)**