

XVI Congreso Chileno de Hematología
La Serena, Septiembre, 2008

**A NOVEL FAMILY OF MITOCHONDRIAL RNAs:
TARGET FOR DIAGNOSTIC AND THERAPY
OF CANCER.**

Luis O. Burzio

**ANDES
BioSciences SA**

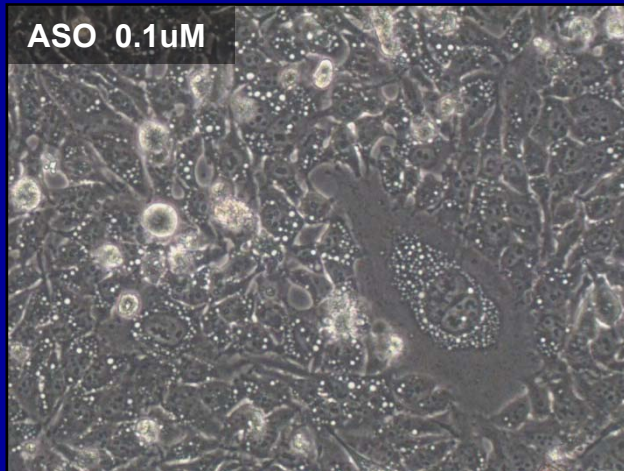
**FCPV
FUNDACION
CIENCIA PARA LA
VIDA**



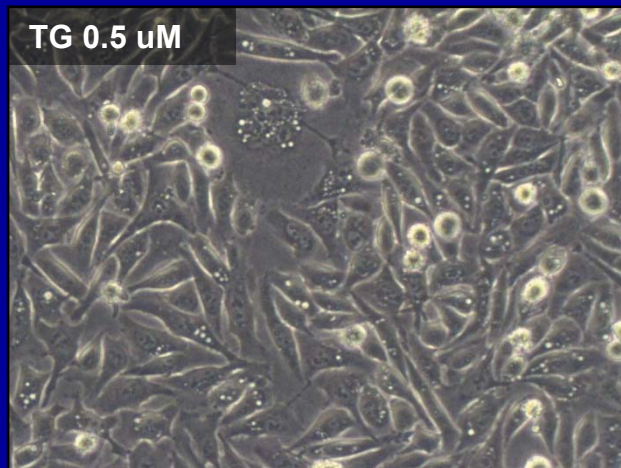
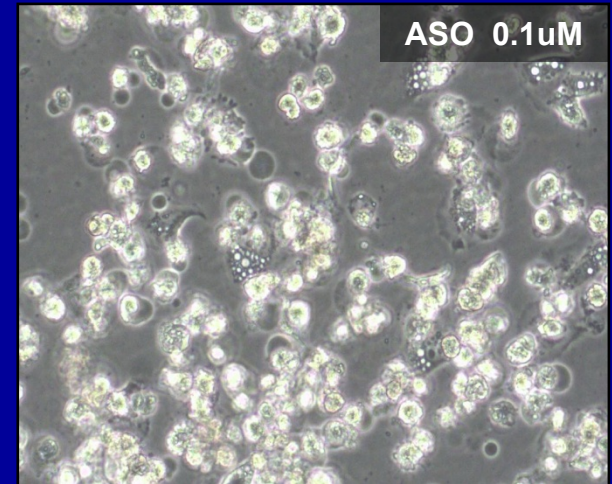
Grupo Bios SA

INDUCTION OF AUTOPHAGIC VACUOLES ARE SIMILAR TO THOSE INDUCE BY THAPSIGARGIN

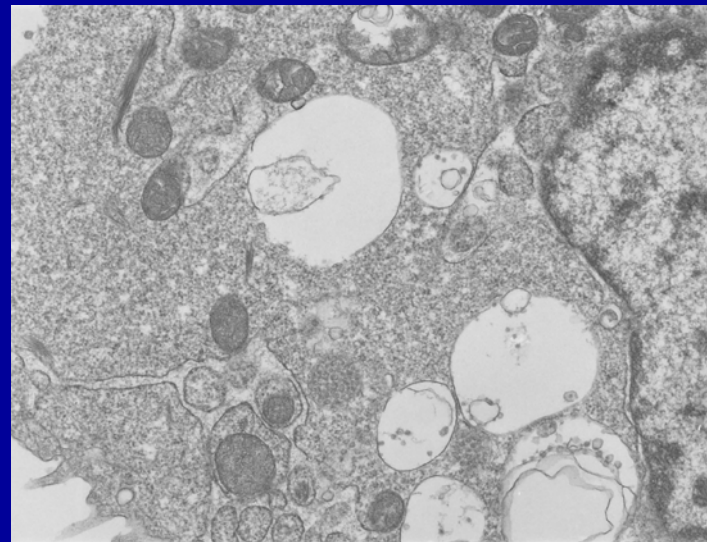
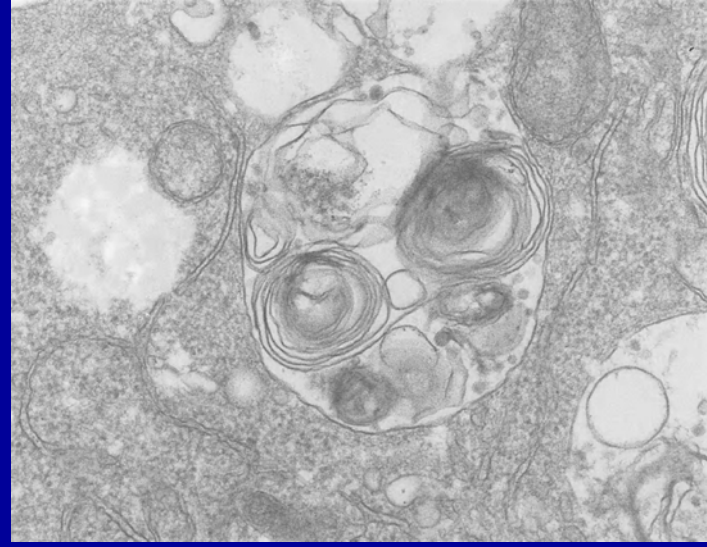
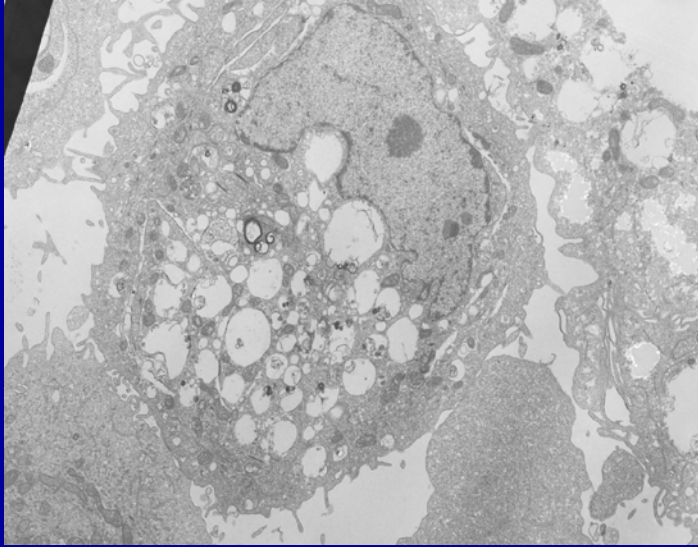
18h post-transfection



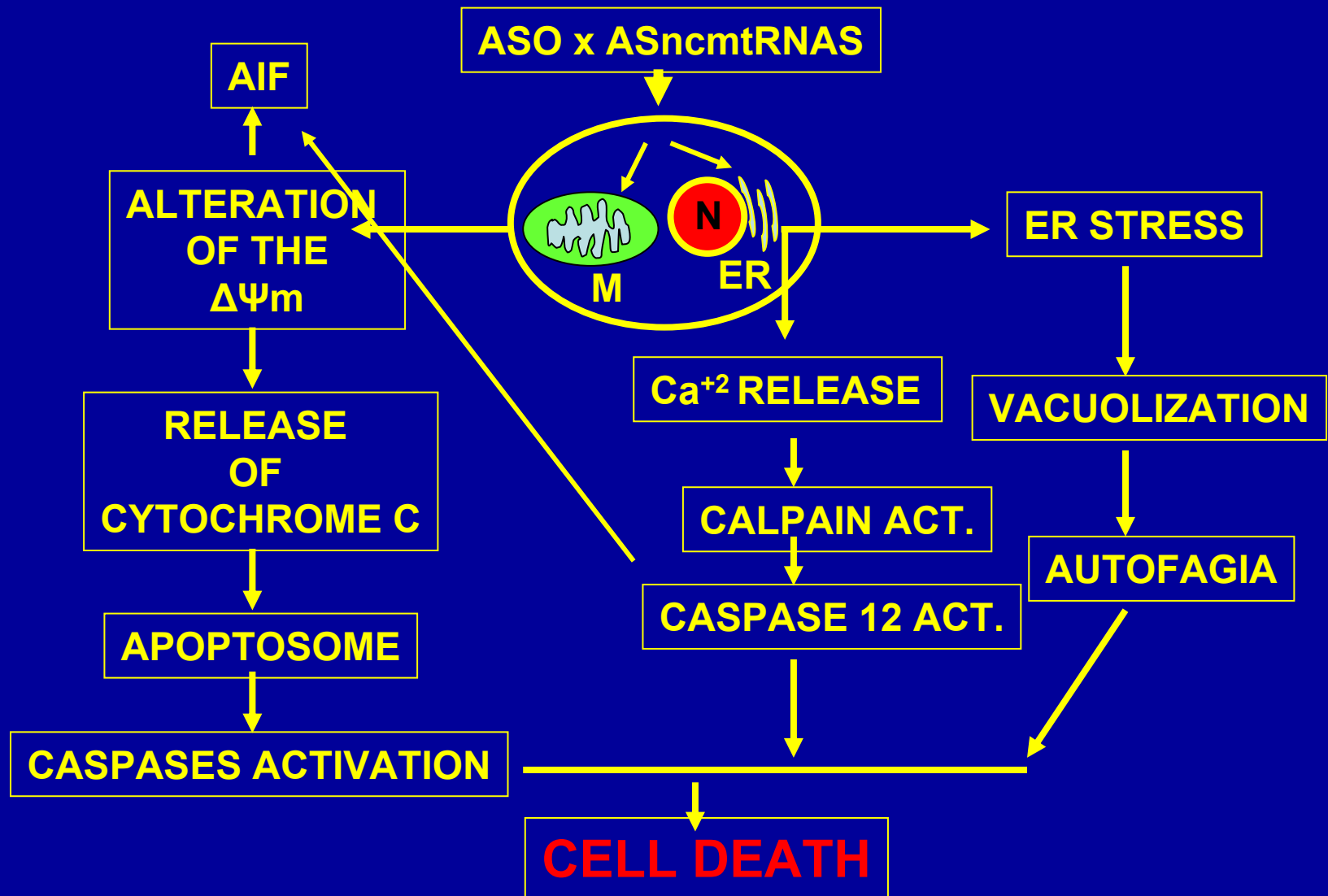
36h post-transfection



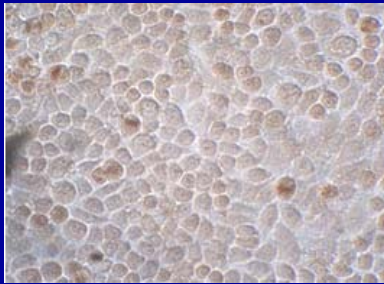
INDUCTION OF AUTOPHAGOSOMES



CONCERTED CELL DEATH?

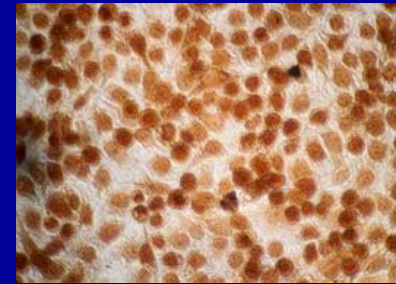


A UNIVERSAL THERAPY FOR CANCER?

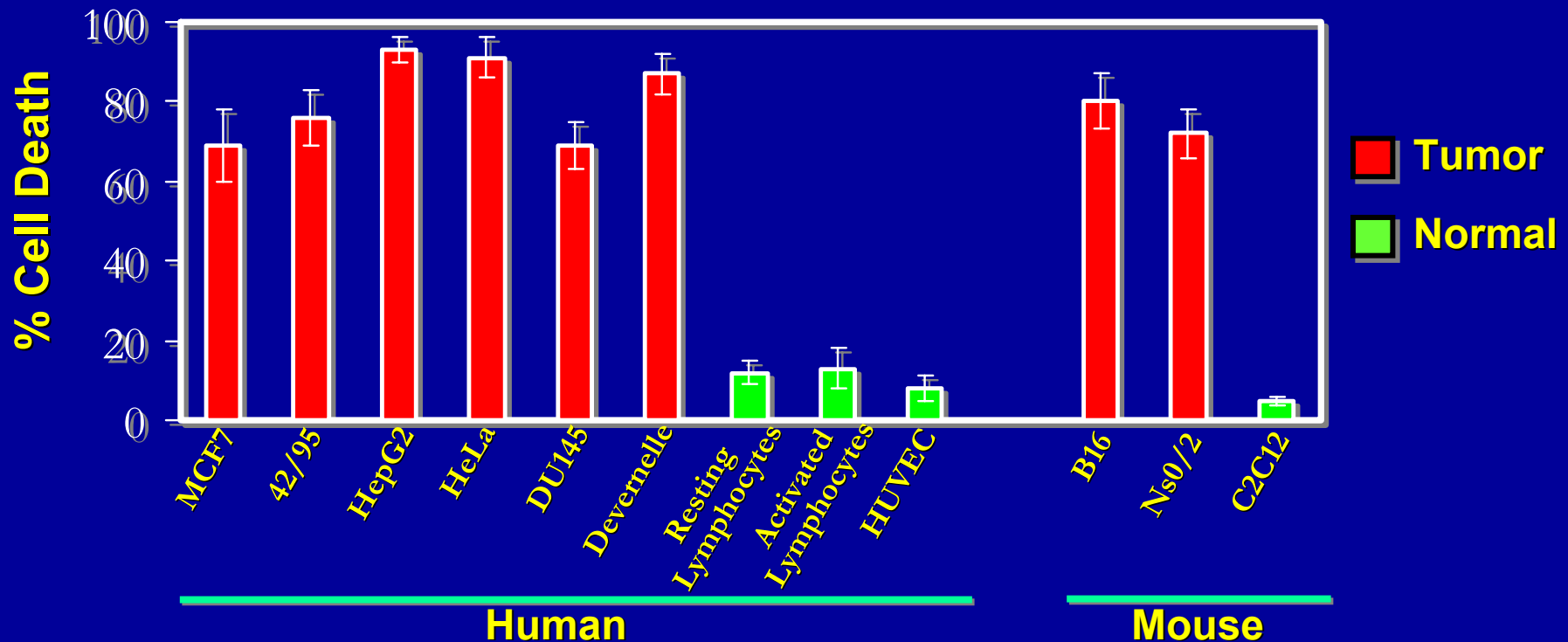


ASO Control

HeLa cells
TUNEL Assay



ASO x ASncmtRNA
18h and 0,1 uM



THE TEAM

ANDES BioSciences SA.
Fundación Ciencia para la Vida
Universidad Andrés Bello

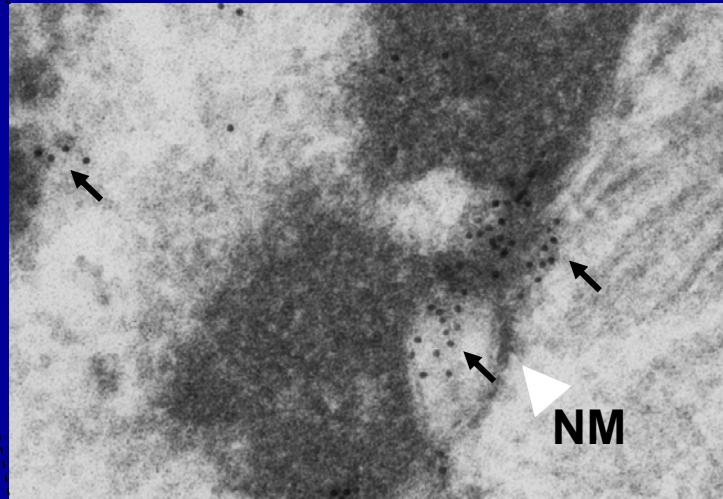
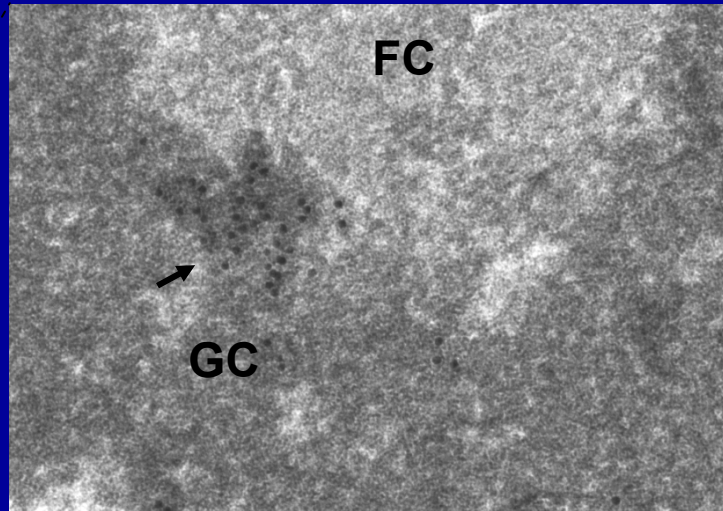
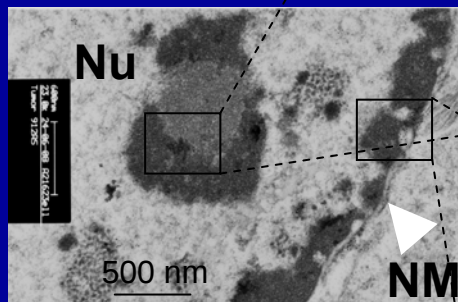
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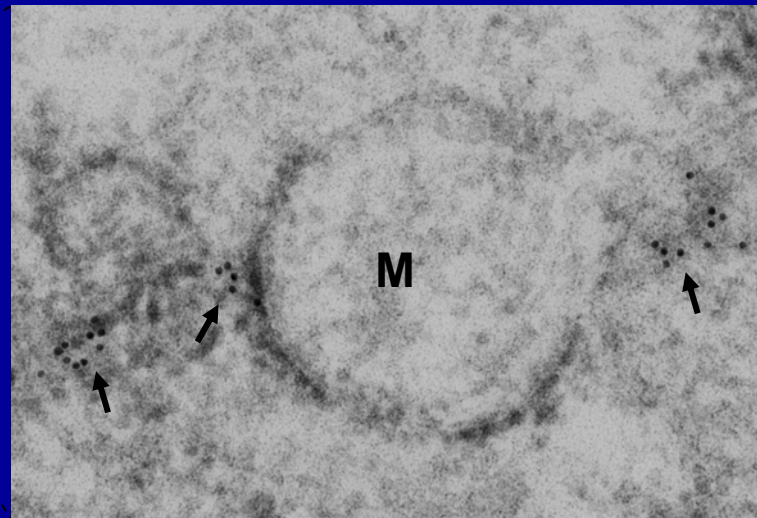
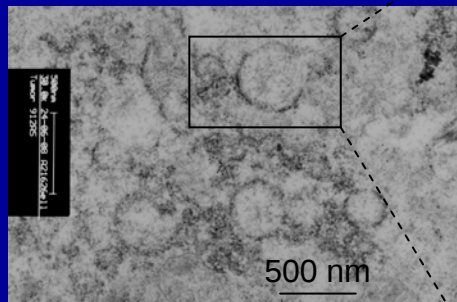
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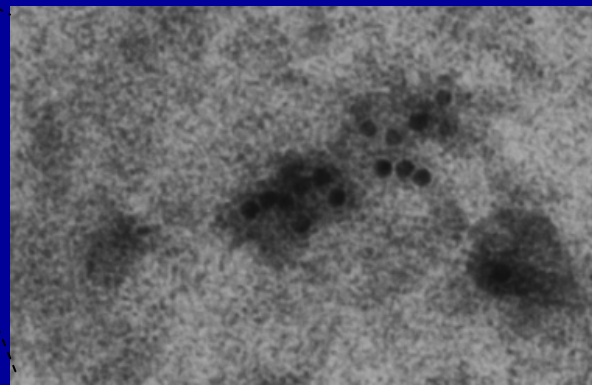
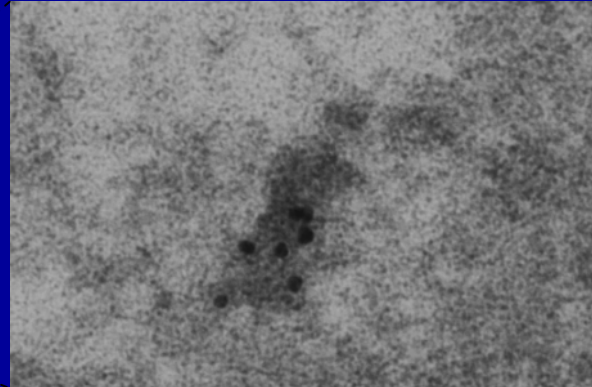
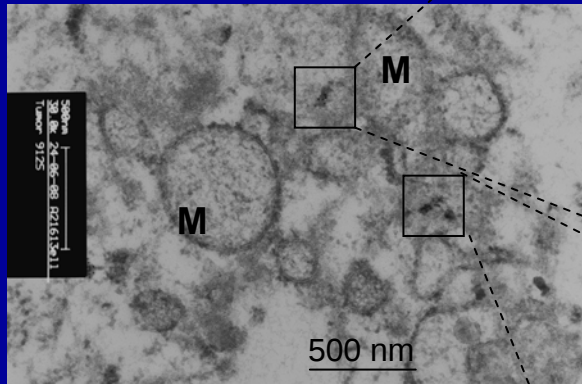
a) Melanoma SncmtRNA



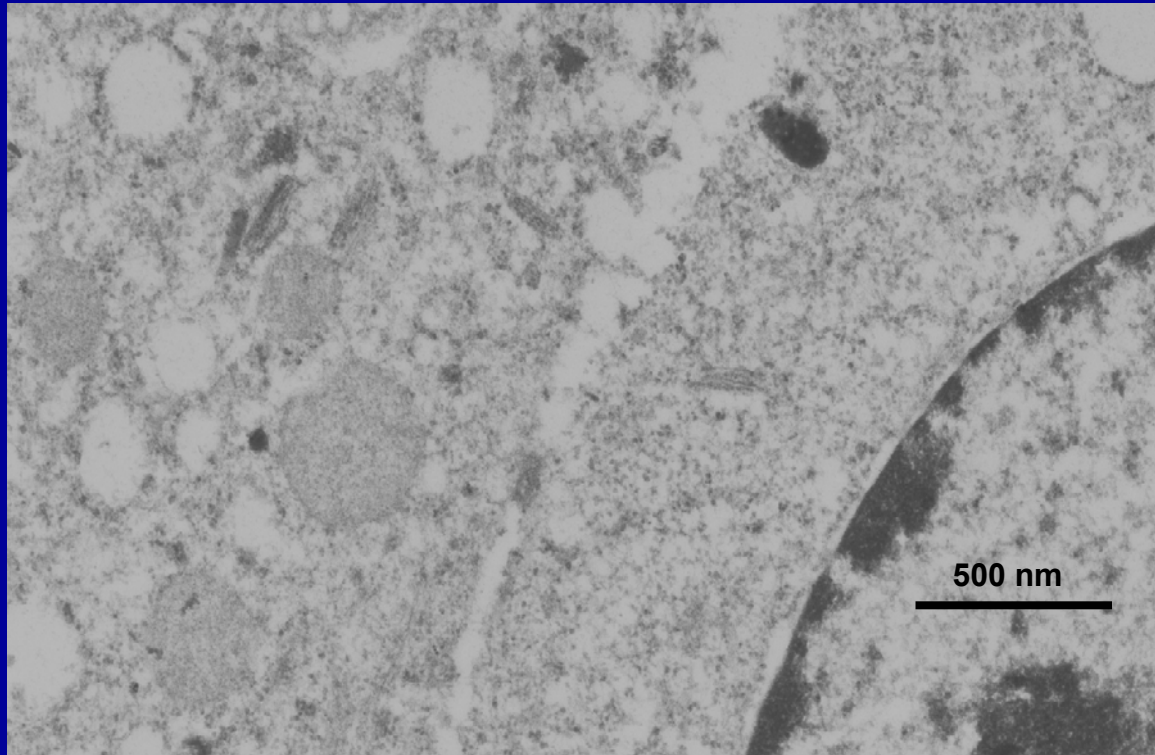
b) Melanoma SncmtRNA



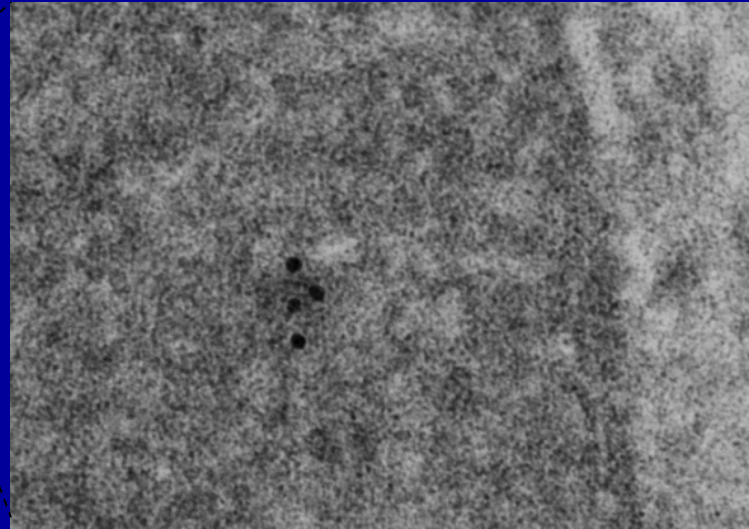
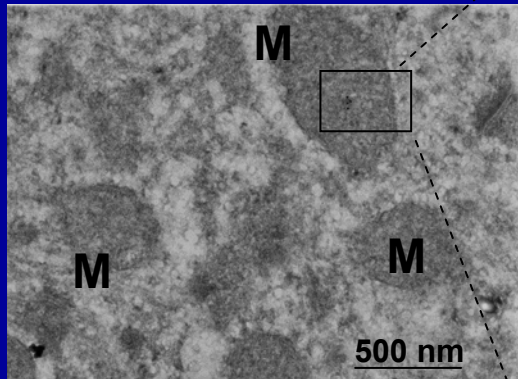
a) Melanoma ASncmtRNA



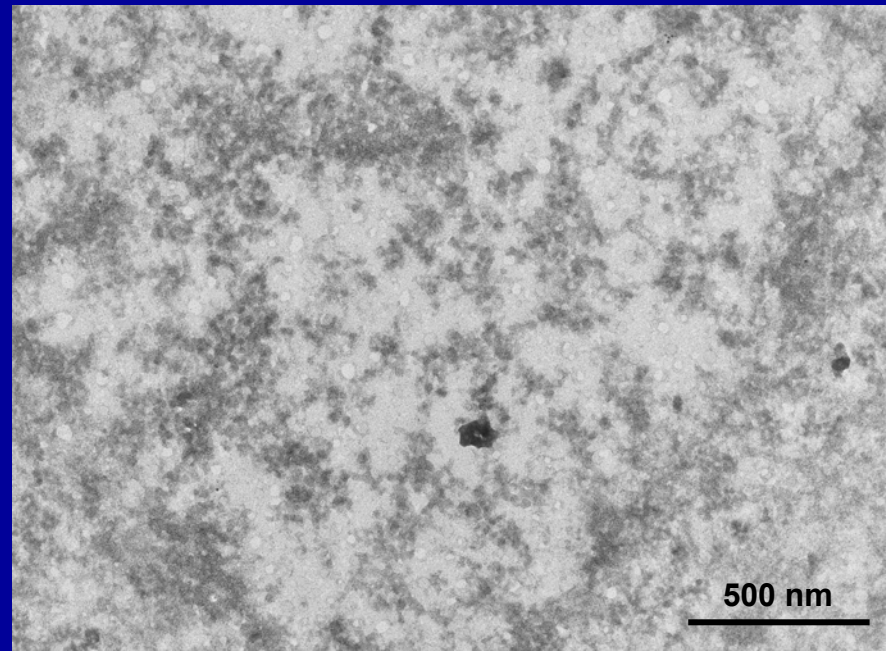
b) Melanoma ASncmtRNA



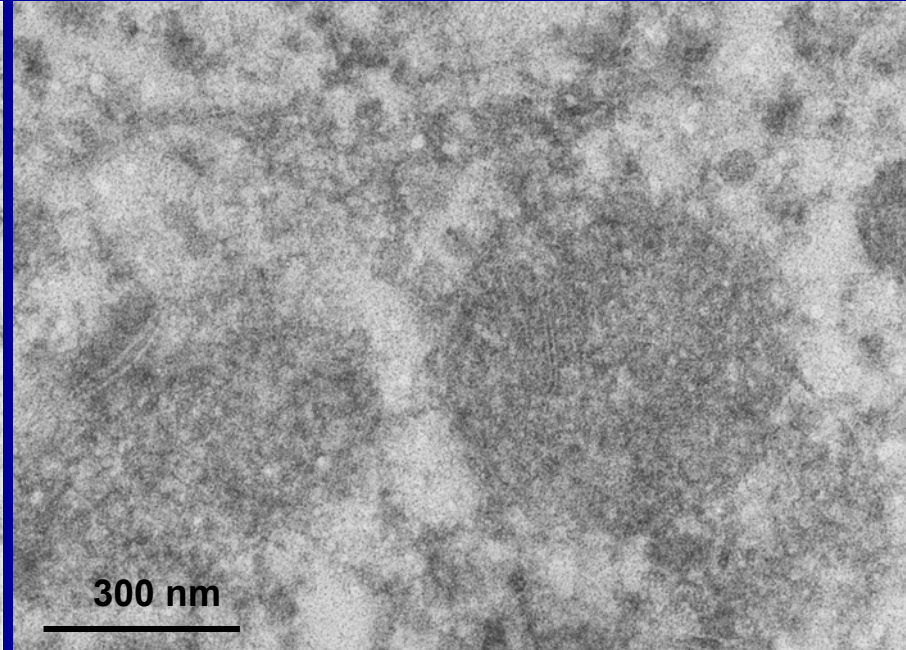
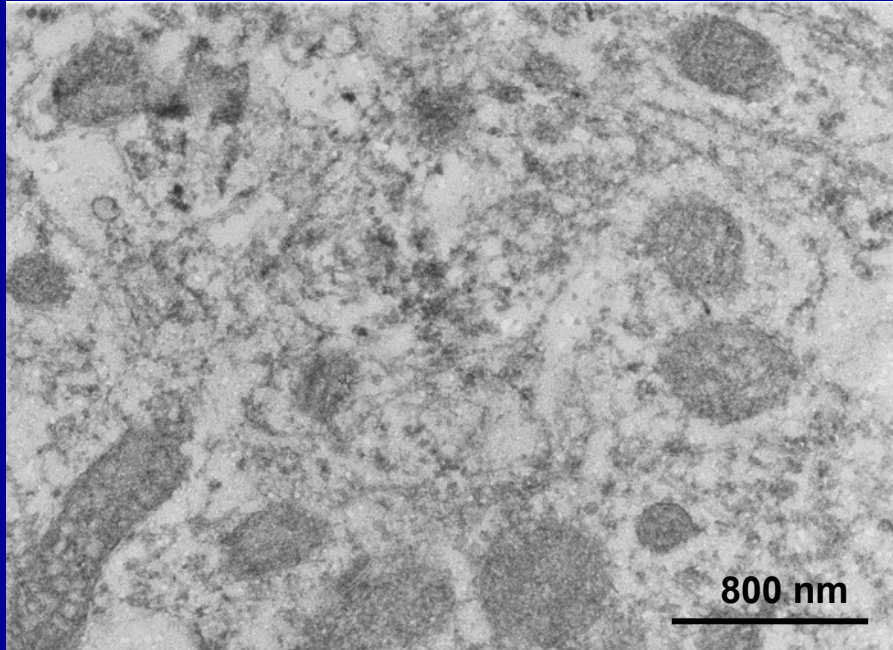
a) Brain SncmtRNA

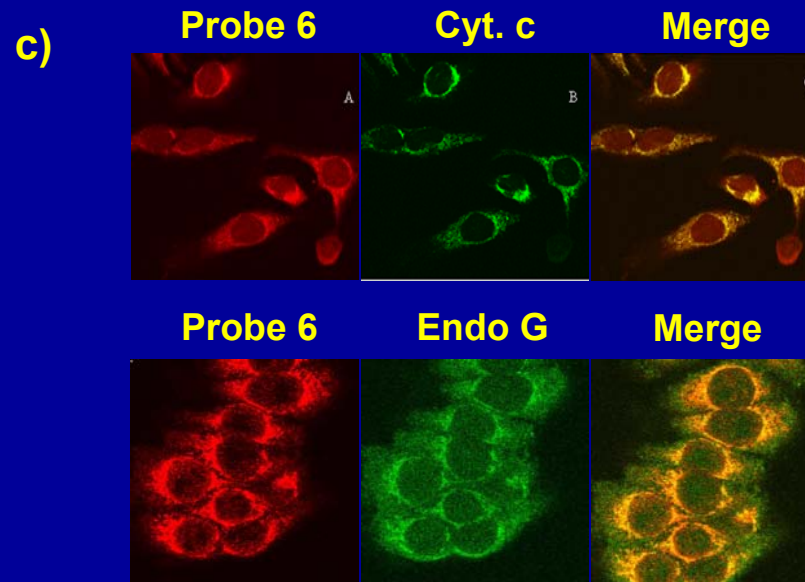
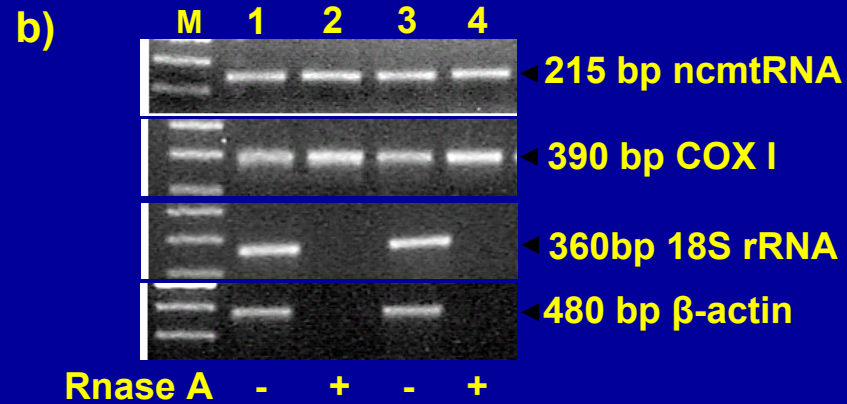
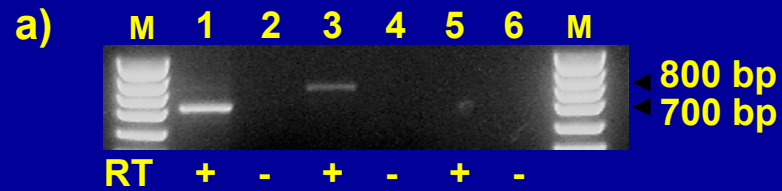


b) Brain SncmtRNA

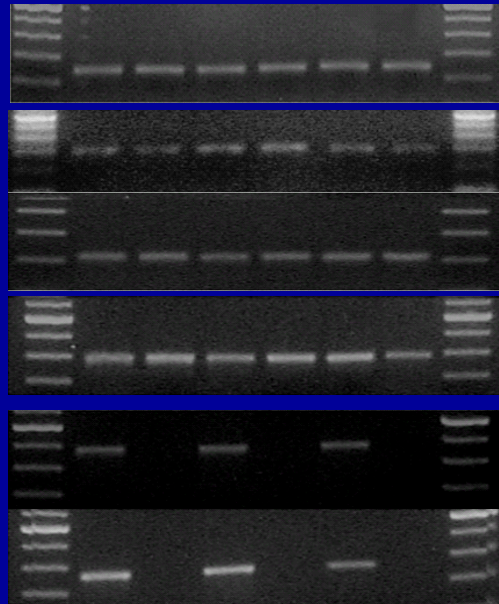


BRAIN ASncmtRNA



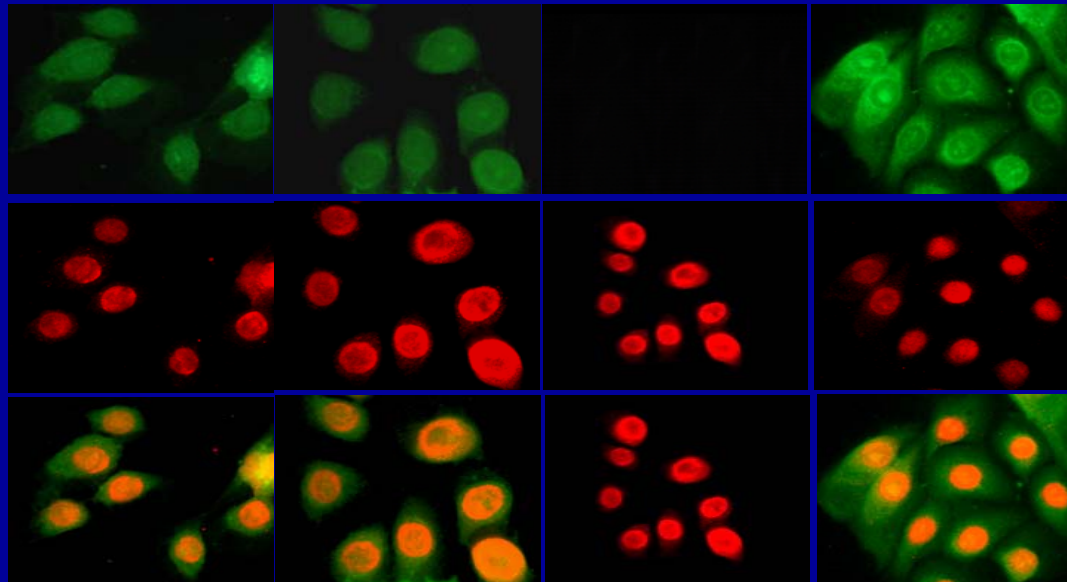


	HFK		Lymph.	
M	1	2	3	4



RNA	T	M	T	M
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- ◀ ASncmtRNA-1 (250 bp)
- ◀ ASncmtRNA-2 (310 bp)
- ◀ SncmtRNA (210 bp)
- ◀ COX I (390 bp)
- ◀ β -actin (480 bp)
- ◀ 18S rRNA (380 bp)



FISH

PCNA

Merge