JOINT TRANSNATIONAL CALL 2016:

"Minimally and non-invasive methods for early detection and/or progression of cancer"

PARTNER REQUEST/COLLABORATION OFFER

If you would like to have your profile published on the TRANSCAN-2 website, "Looking for a research partner" webpage, please fill out this form and send it to ✉
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Note: Fields marked with a * are mandatory

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***I agree with the publication of my contact data and of this form on the TRANSCAN-2 Website:**

☑ YES

SEARCH FOR A COLLABORATOR

IF YOU ARE LOOKING FOR A PARTNER IN YOUR SUGGESTED PROPOSAL, PLEASE SPECIFY ALSO THE NEEDED EXPERTISE

Project proposal
Project title (draft):
Short description of the project in preparation and of the consortium; description of the areas of expertise needed (Max. 2000 words):

OFFER FOR COLLABORATION

IF YOU PROPOSE YOURSELF AS A PARTNER IN A CONSORTIUM, PLEASE DETAIL YOUR EXPERTISE

Short description of the areas of interest and expertise (Max. 2000 words):

Our research group has expertise in determining early and advanced signs of genomic and chromosomic instability by analysing different kinds of DNA damage, micronuclei formation and type, determining polyploidy, DNA repair ability and senescence. Our goal is to describe cellular markers that can be related to aged-related accumulation of unrepaired DNA damage and, thus, to age-related increased susceptibility to genomic instability which underlies cancer onset. We work with cells aged in vitro by PD accumulation, oncogene-induced senescence cellular models and mammary epithelial cells from young and old donors.

We offer our collaboration to consortia aiming to send a proposal to the call "*Minimally and non-invasive methods for early detection and/or progression of cancer*". We have expertise in cell culture, cell transformation, micronuclei analysis, immunofluorescence, FISH, western blot, RNA analysis, fluorescent microscopy and cell cytometry.

Recent bibliography:

- Terradas M, Martín M, Repullés J, Huarte M, Genescà A (**2016**) *Distinct sets of long non-coding RNAs are induced after exposure to high and low doses of X-rays* Radiation Research - Official Journal of Radiation Research Society *doi/pdf/10.1667/RR14377.1*
- Terradas M, Martín M, Genescà A (**2016**) *Impaired nuclear functions in micronuclei results in genome instability and chromothripsis* Arch Toxicol, doi:10.1007/s00204-016-1818-4
- Anglada T, Terradas M, Hernández L, Genescà A, Martín M (**2015**) *Analysis of Residual DSBs in Ataxia-Telangiectasia Lymphoblast Cells Initiating Apoptosis* BioMed Research International, 2016 #8279560
- Hernández L, Terradas T, Camps J, Martín M, Tusell L, Genescà A (**2015**) *Aging and radiation: Bad companions* Aging Cell ,14(2):153-161
- Martín M, Terradas T, Hernández L, Tusell L, Genescà A (**2015**) *γH2AX foci on apparently intact mitotic chromosomes: not signatures of misrejoining events but signals of unresolved DNA damage* Cell Cycle, 13(19):3026-3036
- Hernández L, Terradas M, Martín M, Tusell L, Genescà A (**2013**) *Highly sensitive automated method for DNA damage assessment: γH2AX foci counting and cell cycle sorting* Int J Mol Sci, 14(8):15810-15826
- Hernández L, Terradas M, Martín M, Feijoo P, Soler D, Tusell L, Genescà A (**2013**) *Increased mammogram-induced DNA damage in mammary epithelial cells aged in vitro* PLoS One, 8(5) e63052 doi: 10.1371/journal.pone.0063052