

The *Drosophila* Protein Interaction Map

Collaborators and projects

The goal of this project was to create a dataset useful to the scientific community investigating oncogenesis. Bait proteins were chosen for the involvement of their human counterparts in cancer or in basic cellular metabolism.

The resulting *Drosophila melanogaster* protein-protein interaction map describes over 2,300 interactions, connects 1,727 *Drosophila* proteins, which represents 12% of *Drosophila melanogaster* proteome. 150 baits were selected based on the possible correspondence between human proteins involved in cancer and their *Drosophila* orthologues. Highly complex cDNA libraries were built from *Drosophila* embryos and adult *Drosophila* heads.

This program comprises 25 projects contributed by Hybrigenics and a total of 29 different academic groups affiliated with the Curie Institute.

The different projects are listed below with the names and addresses of the contributors:

- 1) Project coordination
- 2) Sub-projects and contributors:
 - 21) Small GTPases
 - 22) Signalling pathways
 - 23) Membrane and vesicle trafficking
 - 24) Centrosome and mitosis
 - 25) Transcription and cell cycle
 - 26) DNA repair and chromatin remodelling
 - 27) Other cellular functions

1) Project Coordination

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21) Small GTPases

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23) Signalling pathways

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24) Membrane and vesicle trafficking

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25) Centrosome and mitosis

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26) Transcription and cell cycle

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27) DNA repair and chromatin remodeling

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28) Other cellular functions

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