

Biographie de Jean-Marc Egly

Diplômes et titres

Doctorat en Chimie (1970)
Doctorat en Biochimie (1976)
DESS "Pollutions et Nuisances"
Chevalier de l'Ordre National du Mérite (1997)
Chevalier de la Légion d'Honneur (2006)

Parcours

- Directeur de Recherche (DRE) à l'INSERM (IGBMC, Strasbourg).
- Membre de l'Académie des Sciences (2006).
- Compétences : Régulation de l'expression des gènes, Maladies de la réparation/transcription ,
- Membre du CS de l'Office Parlementaire d'Evaluation des Choix Stratégiques et Technologiques
- Membre du Conseil Stratégique de l'Agence Nationale de Recherche (2008-12).
- Membre d'un panel d'évaluation de l' European Research Council (2009-13).
- Membre du comité Sciences de la Vie de la Fondation Canadienne pour l'Innovation (2009-20013).
- Président du CS recrutement programme Avenir et Jeunes Chercheurs de l'INSERM (2004-2011).
- Président du CS de l'Institut de Recherche sur le Cancer de l'Appareil Digestif (2004-2014).
- Président du CS de l'Association de la Recherche sur le Cancer (ARC) (2006- 2011).
- Conseiller spécial auprès du Directeur Général de l'INSERM (2007-).

Distinctions :

- Prix Tartois, Fondation pour la Recherche Médicale (1996)
- Prix Européen Loubaresse/Institut Curie (1997).
- Prix AGF/Athéna-Institut de France (2002).
- Descartes Award de la Communauté Economique Européenne (2000).
- Grand Prix INSERM (2004).
- Prix Duquesne de la Ligue nationale contre le cancer de Paris (2009)
- Prix Mitjavielle de l'Académie Nationale de Médecine (2009)
- **European Research Council Advanced Grant Award (2009-1013).**

Publications récentes

Keriel A., Stary A., Sarasin A., Rochette-Egly C. and **Egly J.M.** XPD mutations prevent TFIIH dependent transactivation by nuclear receptor and phosphorylation of RAR . *Cell* (2002), 109,125-135.

Iben S., Tschochner H., Hoogsstraten D., Hozak P., **Egly J.M.** and Grummt I. TFIIH plays a role in RNA polymerase I transcription. *Cell* (2002) , 109, 297-306.

Bradsher J., Auriol J., Proietti de Santis L., Iben S., Vonesch J.L., Grummt I. and **Egly J.M.** CSB is a component of RNA pol I transcription. *Molecular Cell* (2002), 10, 819-829.

Frit Ph., Kwon K., Coin F., Auriol J., Dubaele S., Salles B. and **Egly J.M.** Transcriptional activators stimulate DNA repair. *Molecular Cell* (2002) 10, 1391-1401.

Dubaele S., Proietti De Santis L., R. J. Bienstock, Keriel A., Stefanini M ., B. Van Houten and **J.M. Egly.** Basal transcription defect discriminates between Xeroderma Pigmentosum and Trichothiodystrophy in XPD patients. *Molecular Cell* (2003), 11, 1635-1646.

Riedl Th., Hanaoka F. and **Egly J.M.** The comings and goings of nucleotide excision repair factors on damaged DNA, *EMBO*, (2003), 22, 5293-5303.

Le May N., Dubaele S., Proietti de Santis L., Billecocq A., Bouloy M. and **Egly J.M.** : TFIIH transcription factor, a target for the Rift Valley Hemorrhagic Fever Virus. : *Cell* (2004), 116, 541-550.

Drané P., Compe E., Catez Ph., Chymkowitch P. and **Egly J.M.** : Selective regulation of vitamin D receptor-responsive genes by TFIIH. *Molecular Cell* (2004), 16, 187-197.

Coin F., Auriol J., Tapias A., Clivio P., Vermeulen W. and **Egly J.M.** : Phosphorylation of XPB as a switch to regulate TFIIH dependent DNA repair but not transcription. *EMBO*, (2004), 23, 4835-4846.

Coin F., Proietti De Santis L., Nardo T., Zlobinskaya O., Stefanini M. and **Egly J.M.**: Within TFIIH, p8/TTD-A directs repair whereas cdk-activating kinase/CAK directs transcription. *Molecular Cell*, (2006), 21, 215-226.

Lainé J.Ph. and **Egly J.M.** : Initiation of DNA repair mediated by a stalled RNA polymerase II. *EMBO* (2006), 25, 387-397.

Proietti-De-Santis L. Drané P. and **Egly J. M.** Cockayne syndrome B protein regulates the transcriptional program of a specific subset of genes. *EMBO* (2006), 25, 1915-1923.

Charlet-B. N., Feuerhahn S., Kong S. E., Ziserman H., Conaway J. W., Conaway R. and **Egly J. M.** RNA polymerase II bypass of oxidative DNA damage is regulated by transcription elongation factors. *EMBO* (2006), 25, 5481-91.

Ito S., Kuraoka I., Chymkowitz P., Compe E., Takedachi A., Ishigami C., Coin F., **Egly J.M. and Tanaka K.** : XPG is required for the integrity of TFIIH and transactivation besides nucleotide excision repair: Implications for Cockayne syndrome in XP-G/CS patients *Molecular Cell*, (2007), 26, 231-244.

Coin F., Oksenysh V. and **Egly J.M.**: DNA repair defect in Xeroderma pigmentosum group B is generated by a deficient stimulation of XPB ATPase activity by the p52 subunit of TFIIH. *Molecular Cell*, (2007), 26, 245-256.

Compe E., Malerba M., Soler L., Marescaux J., Borrelli E. and **Egly J-M.** : Neurological defects in Trichothiodystrophy reveal a coactivator function of TFIIH. *Nature Neuro.* (2007), 10, 1423-32.

Mocquet V., Lainé J.Ph., Riedl T., Yajin Z., Lee M.Y., and **Egly JM.** : A new role for XPG in initiating a replication like process during the NER. *EMBO*, (2008), 27,155-67.

Coin F., Okshenych V., Mocquet V., Groh S., Blattner C., and **Egly JM.** Nucleotide excision repair driven by the dissociation of CAK from TFIIH *Molecular Cell*, (2008), 31, 9-20.

Kainov D. E., Vitorino M., Cavarelli J., Poterszman A. and **Egly JM.** Structural basis for group A Trichothiodystrophy. *Nat. Struc. Mol Biol.* (2008), 15, 980-984.

Oksenysh V., Bernardes de Jesus B, Zhovmer A., **Egly J.M.** and **Coin F.** : Molecular insights into the recruitment of TFIIH to sites of DNA damage *EMBO* (2009), 28, 2971-80.

Ueda T., Compe E., Catez Ph., Kraemer K.H. and **Egly JM** : Both XPD alleles contribute to the phenotype of compound heterozygote xeroderma pigmentosum patients. *J. Exp. Med.* (2009), 206, 3031-3046.

Le May N., Mota-Fernandes D., Vélez-Cruz R., Iltis I., Biard D. and **Egly J.M.** : NER factors are recruited to the promoters of activated genes and help chromatin modifications for efficient transcription in the absence of genotoxic attack. *Molecular Cell*, (2010), in press