Curriculum Vitae : Jean-Marc EGLY

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Education:

PhDs in Chemistry (1970), in Biochemistry (1976), Strasbourg
Graduated in Environmental Sciences (DES), (1972) Strasbourg.
Post.Doc (1977) Department of Biochemistry (Pr. J. Porath Uppsala, Sweden)

Professional experience:

Research Director, INSERM (U964; Strasbourg)
Member of the Science Academy (2005)
EMBO Member (2002)
Distinguished Prof. at the National Taiwan University (2016 - …),
Prof. at l'Ecole Supérieure de Biotechnologie de Strasbourg (1982-1993)
Research leader of a 20 students/post-docs group
Expert in Molecular Biology, Protein Chemistry, Biotechnology; Design of 15 products for chromatography
Author of 270 publications: Cell, Mol. Cell., Nature, Nat. Gen., Nat. Neuro., Nat. SMB., Science, EMBO, JBC.
Invited speaker, Keynotes at J. Monod, UCLA, Gordon, FEBS, IUB, Cold Spring Harbor and EMBO Meetings.

***Scientific Boards*:**

- Scientific Advisor near the Life Science Dept. CEO of Commissariat at the Atomic Energy (2003-07).
- Member of EMBO (1997) and of the American Society for Biochemistry and Molecular Biology (ASBMB).
- Member of the Swiss National Foundation: Evaluation of all the 12 years grants since 2003 (Feb-Mai 2014)
- Chairmann of the Scientific Council of the Association de la Recherche contre le Cancer (2006-2012)
- President of «Comité Atip/Avenir INSERM/CNRS » for recruiting high-level young investigators (2004-14)
- Chairman of Scientific Council of the Institut de Recherche contre le Cancer de l'Appareil Digestif (2004-14)
- Scientific Advisor near the Chairman of Inserm (2007-14)
- Member of the Parliamentary Office for Strategic & Technologic Projects Evaluation (Paris, 1998- 2016)
- Member (9 members) of the Conseil de Prospective of the de French National Research Agency (2008-2016)

At the present:

- Chairmann of Scientific Advisory Boards:
    - Institute for Research on Cancer and Ageing of Nice (IRCAN) (2010- 2020);
    - Institute Albert-Bonniot (Grenoble)
    - Centre de Recherche sur le Cancer de Toulouse (CRCT)
- Member of the Scientific Council of:
    - Institut de Recherche sur le Developpement (IRD) (2017-2021)
    - Instituto de Biologia Molecular e Celular – IBMC (Porto, Portugal).
    - Ksilink , a company with expertise in personalized medicine and drugs evaluation (2015-…)
    - Centre Europeen du Polymorphisme Humain (2017-…)

Awards

- Chevalier de l'Ordre National du Mérite (1996); Officier de la Légion d'Honneur (2014).
- Europeen Award Jeanne Loubaresse-Institut Curie forAdvances in Cancer Research (1997).
- Descartes Research Award from the European Union (2000).
- AGF/Athena Award from the French Science Academy (2002).
- Grand Prix Institut National de la Santé et de la Recherche Medicale (INSERM) (2004).
- Member of the French Science Academy (2006).
- Duquesne Award from the Ligue nationale contre le Cancer de la ville de Paris (2009)
- Mitjaville Award from the French Académie Nationale de Médecine (2009)
- Grand Prix de la Fondation pour la Recherche Medicale (2012).
- European Research Council Advanced Grant Award : Top 5% (2009-1013).
- Chercheur Top 1% according to the web of knowledge (H index 76), 16,000 citations.

Selected publications (from last five years among 280)

-. Le May N., Fradin D., Iltis I., Bougnères P. and **Egly J.M***,. : XPG and XPF endonucleases trigger chromatin looping and DNA demethylation for accurate expression of activated gene. **Molecular Cell,** (2012), 47, 622-632
Research Highlights: Nat. Rev. Genetics (2012) 13, 519.
-. Le May N., Iltis I., Amé J.C., Zhovmer A., Biard D., **Egly J.M.,** Schreiber V. and Coin F.: Poly (ADP-Ribose) glycohydrolase regulates RAR mediated gene expression. **Molecular Cell,** (2012), 48, 785-798;**(Cover of the issue)**
-. Vélez-Cruz R., Zadorin A., Coin F. and **Egly J-M***,: Sirt1 regulates RNA synthesis after UV irradiation in TFIIH-mutated cells: new insight into the XP-D/CS cellular phenotype. PNAS. (2013) 110, 814-815; E212-20.
-. Kristensen U., Epanchintsev A., Rauschendorf M.A., Laugel V., Stevnsner T., Bohr V.A**., Coin F.** and **Egly J.M. ***, : Regulatory interplay of Cockayne Syndrome B ATPase and stress-response gene ATF3 following genotoxic stress
PNAS. (2013) 110, E2261-2271
-. Kuper J., Braun C., Elias A., Michels G., Schmitt D.R., Poterszman A., **Egly* J-M.** and Kisker* C. The two faces of XPD during transcription initiation and Nucleotide Excision DNA repair **Plos Biol**. (2014), 12(9):e1001954. doi: 10.1371/journal.pbio.1001954, ***Co coresponding author**
-. Kristensen U., Epanchintsev A., Rauschendorf M.A., Laugel V., Stevnsner T., Bohr V.A**., Coin F.** and **Egly J.M. ***: Regulatory interplay of Cockayne Syndrome B ATPase and stress-response gene ATF3 following genotoxic stress
PNAS. (2013) 110, E2261-2271
-. Kuper J., Braun C., Elias A., Michels G., Schmitt D.R., Poterszman A., **Egly* J-M.** and Kisker* C. The two faces of XPD during transcription initiation and Nucleotide Excision DNA repair **Plos Biol**. (2014), 12(9):e1, ***Co coresponding author**
-. Traboulsi H., Davoli D., Catez Ph., **Egly* J-M and Compe*** E.: Dynamic partnership between TFIIH, PGC-1 and SIRT1 is impaired in premature-ageing disease **Plos Biol**. (2014), 10(10): ***Co coresponding author**

-. Singh A., Compe E., **Le May N.** and **Egly J.M**.*, Mutations in genes encoding TFIIH subunits causing xeroderma pigmentosum and trichothiodystrophy disorders specifically disturb several steps during transcription: **AJHG** (2015) 96,194-207.
-. Coin F, **Egly JM***, Revisiting the Function of CDK7 in Transcription by Virtue of a Recently Described TFIIH Kinase Inhibitor. **Molecular Cell**. 2015, 59(4):513-4.
-. Compe E. and **Egly J.M. ***, Nucleotide Excision Repair and Transcriptional Regulation: TFIIH and Beyond; **Annual Review of Biochemistry** (2016), 85, 265-90.
-. Santamaría Nuñez G., Genes Robles C.M., Giraudon, C., Martínez-Leal J.F., Compe E., Coin F., Pablo Aviles, Galmarini C. M. and **Egly J.M**.*, Lurbinectedin specifically triggers the degradation of phosphorylated RNA Polymerase II and the formation of DNA breaks in cancer cells, **Mol Cancer Ther**. 2016,15(10):2399-2412.
-. Alekseev S., Nagy Z. Sandoz J., Weiss A., **Egly JM**, Le May N. and Coin F. Transcription without XPB establishes a unified helicase-independent mechanism of promoter opening in eukaryotic gene expression **Molecular Cell,** 2017, 65, 504-514.
-. Donnio L-M., Bidon B., Haschimoto S., May M., Epantchintsev A., Ryan C., Allen W., Hackett A., Gecz J., Skinner C., Stevenson R. E., de Brouwer A. P.M., Coutton C., Francannet C Jouk. P-S, Schwartz C. E. and **Egly J-M***. MED12-related XLID disorders 1 are dose-dependent of immediate early genes 2 (IEGs) expression; **Hum. Mol Gen.** (2017), in press.
-. Epanchintsev A., Costanzo F., Rauschendorf M-A., Caputo M., Ye T., Donnio L.M., Proietti-de-Santis L., Coin F., Laugel V. and **Egly * JM**. Cockayne syndrome A and B proteins regulate the timing of transcription arrest upon genotoxic stress through a ubiquitin/proteasome degradation process, **Molecular Cell**, (2017) in press.