



**List of publications by Aziz EL-AMRAOUI, DR Institut Pasteur**



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**Original articles (in black), reviews, book chapters and other articles (in blue)**

1. Michel V, Booth K, Patni P, Cortese M, Azaiez H, Bahloul A, Kahrizi K, Labbé M, Emptoz A, Lelli A, Dégardin J, Dupont T, Aghaie A, Oficyalska D, Picaud S, Najmabadi H, Smith RJ, Bowl MR, Brown SDM, Avan P, Petit C, **El-Amraoui A\***. CIB2, defective in isolated deafness, is key to auditory hair cells mechanotransduction and survival. *EMBO Mol Med*. in press (2017)
2. Bahloul A, Pepermans E, Raynal B, Wolff N, Cordier F, England P, Nouaille S, Baron B, **El-Amraoui A**, Hardelin JP, Durand D, Petit C. Conformational switch of harmonin, a submembrane scaffold protein of the hair cell mechano-electrical transduction machinery. *FEBS Lett*. 591, 2299-2310. (2017)
3. Schietroma S, Parain K, Estivalet A, Aghaie A, Boutet de Monvel J, Picaud S, Sahel J-A, Perron M, **El-Amraoui A\***, Petit C\*. Shaping of the photoreceptor outer segment by the calyceal processes of the inner segment. *J Cell Biol*. 216, 1849-1864. (2017) \*Co-senior and corresponding authorships.  F1000 Medicine “Recommended” selection
4. Cortese M, Papal S, Pisciotto F, Elgoyhen AB, Hardelin J-P, Petit C, Franchini LF\*, **El-Amraoui A\***. Spectrin BV adaptive mutations and changes in subcellular location correlate with emergence of hair cell electromotility in mammals. *Proc Natl Acad Sci USA*. 114, 2054-2059. (2017) \*Co-senior and corresponding authorships.
5. **El-Amraoui A**. Développement d'une thérapie génique pour restaurer la fonction visuelle dans le syndrome de Usher. *Rétino* (Revue de l'association Retina France) 101, p16. (2017)
6. Masson-Garcia C, **El-Amraoui A**. le syndrome de Usher: les dernières avancées scientifiques. *Rétino* (Revue de l'association Retina France). 97, 3-5. (2016)
7. Bonnet C, Riahi Z, Chantot-Bastarud S, Smaghe L, Letexier M, Marcaillou C, Lefevre G, Hardelin JP, **El-Amraoui A**, Singh-Estivalet A, Mohand-Saïd M, Kohl S, Kurtenbach A, Sliesoraityte I, Zobor D, Gherbi S, Testa F, Simonelli F, Banfi S, Fakin A, Glavač D, Jarc-Vidmar M, Zupan A, Battelino S, Martorell L, Claveria MA, Catala-Mora J, Dad S, Møller L, Jorge JR, Hawlina M, Auricchio A, Sahel JA, Marlin S, Zrenner E, Audo I, Petit C. An innovative strategy for the molecular diagnosis of Usher syndrome identifies causal biallelic mutations in 93% of European patients. *Eur J Hum Genet*. 24, 1730-1738. (2016)
8. Potter P, Bowl M, Shanthakumar P, Wisby L, Mr. Bleasdale A, Goldsworthy M, Simon M, Greenaway S, Michel V, Barnard A, Aguilar C, Agnew T, Banks G, Blake A, Chessum L, Dornig J, Falcone S, Goosey L, Harris S, Haynes A, Heise I, Hillier R, Hough T, Hoslin A, Hutchison M, King R, Kumar S, Lad H, Law G, MacLaren R, Morse S, Nicol T, Parker A, Pickford K, Sethi S, Starbuck B, Stelma F, Cheeseman M, Cross S, Foster R, Jackson I, Peirson S, Thakker R, Vincent T, Scudamore C, Wells S, **El-Amraoui A**, Petit P, Acevedo-Arozena A, Nolan P, Cox R, Mallon AM, Brown SD. Novel gene function revealed by mouse mutagenesis screens for models of age-related disease. *Nat Comm*. 7, 12444. (2016)
9. Lelli A, Michel V, Boutet de Monvel J, Cortese M, Bosh-Grau M, Aghaie A, Perfettini I, Dupont T, Avan P, **El-Amraoui A\***, Petit C\*. Class III myosins shape the auditory hair bundles by limiting microvilli and stereocilia growth. *J Cell Biol*. 212, 231-44. (2016) \*Co-senior and corresponding authorships.  F1000 Medicine “Recommended” selection # cover article ; New & Views by Pollock LM, Chou SW, McDermott BM Jr. *J Cell Biol* 212:135-137. (2016)
10. **El-Amraoui A\***, Petit C\*. Cadherins in the auditory system. Shintaro T. Suzuki & Shinji Hirano (eds.), *In The Cadherin Superfamily*, Springer, Japan. (2016) \*Co-senior and corresponding authorships.
11. Kamiya K, Michel V, Giraudet F, Riederer B, Foucher I, Papal S, Perfettini I, Le Gal S, Verpy E, Xia W, Seidler U, Georgescu MM, Avan P\*, **El-Amraoui A\***, Petit C\*. An unusually powerful mode of low-frequency sound interference due to defective hair bundles of the auditory outer hair cells. *Proc Natl*

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  16. Petit C, El-Amraoui A and Avan P. HEARING AND DEAFNESS. In *Neuroscience in the 21st Century. From Basic to Clinical*. Pfaff DW (ed), Heidelberg: Springer Verlag, pp. 675-741. (2013) \*Corresponding authors.
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