

## Bibliographie Deniz DALKARA

- AÏT-ALI N., FRIDLICH R., MILLET-PUÉL G., CLERIN E., DELALANDE F., JAILLARD C., BLOND F., PERROCHEAU L., REICHMAN S., BYRNE L.C., OLIVIER-BANDINI A., BELLALOU J., MOYSE E., BOUILLAUD F., NICOL X., DALKARA D., VAN DORSSELAER A., SAHEL J.-A. and LEVEILLARD T., “Rod-derived cone viability factor promotes cone survival by stimulating aerobic glycolysis,” *Cell*, May 7, 2015, [PMID: 25957687], vol. 161, no. 4, 817–832, DOI : 10.1016/j.cell.2015.03.023.
- BOCKSTAEL O., TENENBAUM L., DALKARA D., MELAS C., DE WITTE O., LEVIVIER M. and CHTARTO A., “Intracisternal delivery of NFκB-inducible scAAV2/9 reveals locoregional neuroinflammation induced by systemic kainic acid treatment,” *Frontiers in Molecular Neuroscience*, 2014, [PMID: 25520614 PMCID: PMC4251317], vol. 7, 92, DOI : 10.3389/fnmol.2014.00092.
- BYRNE L.C., OZTÜRK B.E., LEE T., FORTUNY C., VISEL M., DALKARA D., SCHAFFER D.V. and FLANNERY J.G., “Retinoschisin gene therapy in photoreceptors, Müller glia or all retinal cells in the Rs1h<sup>-/-</sup> mouse,” *Gene Therapy*, June 2014, [PMID: 24694538 PMCID: PMC4047144], vol. 21, no. 6, 585–592, DOI : 10.1038/gt.2014.31.
- BYRNE L.C., DALKARA D., LUNA G., FISHER S.K., CLERIN E., SAHEL J.-A., LEVEILLARD T. and FLANNERY J.G., “Viral-mediated RdCVF and RdCVFL expression protects cone and rod photoreceptors in retinal degeneration,” *The Journal of Clinical Investigation*, January 2015, [PMID: 25415434 PMCID: PMC4382269], vol. 125, no. 1, 105–116, DOI : 10.1172/JCI65654.
- CAPORALE N., KOLSTAD K.D., LEE T., TOCHITSKY I., DALKARA D., TRAUNER D., KRAMER R., DAN Y., ISACOFF E.Y. and FLANNERY J.G., “LiGluR restores visual responses in rodent models of inherited blindness,” *Molecular Therapy: The Journal of the American Society of Gene Therapy*, July 2011, [PMID: 21610698 PMCID: PMC3129552], vol. 19, no. 7, 1212–1219, DOI : 10.1038/mt.2011.103.
- COURTÈTE J., SIBLER A.-P., ZEDER-LUTZ G., DALKARA D., OULAD-ABDELGHANI M., ZUBER G. and WEISS E., “Suppression of cervical carcinoma cell growth by intracytoplasmic codelivery of anti-oncoprotein E6 antibody and small interfering RNA,” *Molecular Cancer Therapeutics*, June 2007, [PMID: 17575104], vol. 6, no. 6, 1728–1735, DOI : 10.1158/1535-7163.MCT-06-0808.
- DALKARA D., BYRNE L.C., LEE T., HOFFMANN N.V., SCHAFFER D.V. and FLANNERY J.G., “Enhanced gene delivery to the neonatal retina through systemic administration of tyrosine-mutated AAV9,” *Gene Therapy*, February 2012, [PMID: 22011645], vol. 19, no. 2, 176–181, DOI : 10.1038/gt.2011.163.
- DALKARA D., BYRNE L.C., KLIMCZAK R.R., VISEL M., YIN L., MERIGAN W.H., FLANNERY J.G. and SCHAFFER D.V., “In vivo-directed evolution of a new adeno-associated virus for therapeutic outer retinal gene delivery from the vitreous,” *Science Translational Medicine*, June 12, 2013, [PMID: 23761039], vol. 5, no. 189, 189ra76, DOI : 10.1126/scitranslmed.3005708.
- DALKARA D., CHANDRASHEKHAR C. and ZUBER G., “Intracellular protein delivery with a dimerizable amphiphile for improved complex stability and prolonged protein release in the cytoplasm of adherent cell lines,” *Journal of Controlled Release: Official Journal of the Controlled Release Society*, December 1, 2006, [PMID: 17097756], vol. 116, no. 3, 353–359, DOI : 10.1016/j.jconrel.2006.10.005.
- DALKARA D., DUEBEL J. and SAHEL J.-A., “Gene therapy for the eye focus on mutation-independent approaches,” *Current Opinion in Neurology*, February 2015, [PMID: 25545056], vol. 28, no. 1, 51–60, DOI : 10.1097/WCO.0000000000000168.
- DALKARA D., GOUREAU O., MARAZOVA K. and SAHEL J.-A., “Let There Be Light: Gene and Cell Therapy for Blindness,” *Human Gene Therapy*, February 2016, [PMID: 26751519 PMCID: PMC4779297], vol. 27, no. 2, 134–147, DOI : 10.1089/hum.2015.147.
- DALKARA D., KOLSTAD K.D., CAPORALE N., VISEL M., KLIMCZAK R.R., SCHAFFER D.V. and FLANNERY J.G., “Inner limiting membrane barriers to AAV-mediated retinal transduction from the vitreous,” *Molecular*

- Therapy: The Journal of the American Society of Gene Therapy*, December 2009, [PMID: 19672248 PMID: PMC2814392], vol. 17, no. 12, 2096–2102, DOI : 10.1038/mt.2009.181.
- DALKARA D., KOLSTAD K.D., GUERIN K.I., HOFFMANN N.V., VISEL M., KLIMCZAK R.R., SCHAFFER D.V. and FLANNERY J.G., “AAV mediated GDNF secretion from retinal glia slows down retinal degeneration in a rat model of retinitis pigmentosa,” *Molecular Therapy: The Journal of the American Society of Gene Therapy*, September 2011, [PMID: 21522134 PMID: PMC3182364], vol. 19, no. 9, 1602–1608, DOI : 10.1038/mt.2011.62.
- DALKARA D. and SAHEL J.-A., “Gene therapy for inherited retinal degenerations,” *Comptes Rendus Biologies*, March 2014, [PMID: 24702845], vol. 337, no. 3, 185–192, DOI : 10.1016/j.crv.2014.01.002.
- DALKARA D., ZUBER G. and BEHR J.-P., “Intracytoplasmic delivery of anionic proteins,” *Molecular Therapy: The Journal of the American Society of Gene Therapy*, June 2004, [PMID: 15194063], vol. 9, no. 6, 964–969, DOI : 10.1016/j.ymthe.2004.03.007.
- DEHAY B., DALKARA D., DOVERO S., LI Q. and BEZARD E., “Systemic scAAV9 variant mediates brain transduction in newborn rhesus macaques,” *Scientific Reports*, 2012, [PMID: 22355765 PMID: PMC3275921], vol. 2, 253, DOI : 10.1038/srep00253.
- FRALEY A.W., PONS B., DALKARA D., NULLANS G., BEHR J.-P. and ZUBER G., “Cationic oligonucleotide-peptide conjugates with aggregating properties enter efficiently into cells while maintaining hybridization properties and enzymatic recognition,” *Journal of the American Chemical Society*, August 23, 2006, [PMID: 16910671], vol. 128, no. 33, 10763–10771, DOI : 10.1021/ja060873e.
- KHABOU H. and DALKARA D., “[Developments in gene delivery vectors for ocular gene therapy],” *Médecine Sciences: M/S*, May 2015, [PMID: 26059304], vol. 31, no. 5, 529–537, DOI : 10.1051/medsci/20153105015.
- KLIMCZAK R.R., KOERBER J.T., DALKARA D., FLANNERY J.G. and SCHAFFER D.V., “A novel adeno-associated viral variant for efficient and selective intravitreal transduction of rat Müller cells,” *PloS One*, 2009, [PMID: 19826483 PMID: PMC2758586], vol. 4, no. 10, e7467, DOI : 10.1371/journal.pone.0007467.
- KOERBER J.T., KLIMCZAK R., JANG J.-H., DALKARA D., FLANNERY J.G. and SCHAFFER D.V., “Molecular evolution of adeno-associated virus for enhanced glial gene delivery,” *Molecular Therapy: The Journal of the American Society of Gene Therapy*, December 2009, [PMID: 19672246 PMID: PMC2788045], vol. 17, no. 12, 2088–2095, DOI : 10.1038/mt.2009.184.
- KOLSTAD K.D., DALKARA D., GUERIN K., VISEL M., HOFFMANN N., SCHAFFER D.V. and FLANNERY J.G., “Changes in adeno-associated virus-mediated gene delivery in retinal degeneration,” *Human Gene Therapy*, May 2010, [PMID: 20021232 PMID: PMC3143418], vol. 21, no. 5, 571–578, DOI : 10.1089/hum.2009.194.
- MACE E., CAPLETTE R., MARRE O., SENGUPTA A., CHAFFIOL A., BARBE P., DESROSIERS M., BAMBERG E., SAHEL J.-A., PICAUD S., DUEBEL J. and DALKARA D., “Targeting channelrhodopsin-2 to ON-bipolar cells with vitreally administered AAV Restores ON and OFF visual responses in blind mice,” *Molecular Therapy: The Journal of the American Society of Gene Therapy*, January 2015, [PMID: 25095892 PMID: PMC4270733], vol. 23, no. 1, 7–16, DOI : 10.1038/mt.2014.154.
- MARK M.D., KRAUSE M., BOELE H.-J., KRUSE W., POLLOK S., KUNER T., DALKARA D., KOEKKOEK S., DE ZEEUW C.I. and HERLITZE S., “Spinocerebellar ataxia type 6 protein aggregates cause deficits in motor learning and cerebellar plasticity,” *The Journal of Neuroscience: The Official Journal of the Society for Neuroscience*, June 10, 2015, [PMID: 26063920], vol. 35, no. 23, 8882–8895, DOI : 10.1523/JNEUROSCI.0891-15.2015.
- MASSECK O.A., SPOIDA K., DALKARA D., MAEJIMA T., RUBELOWSKI J.M., WALLHORN L., DENERIS E.S. and HERLITZE S., “Vertebrate cone opsins enable sustained and highly sensitive rapid control of Gi/o signaling in anxiety circuitry,” *Neuron*, March 19, 2014, [PMID: 24656249], vol. 81, no. 6, 1263–1273, DOI : 10.1016/j.neuron.2014.01.041.
- MEI X., CHAFFIOL A., KOLE C., YANG Y., MILLET-PUÉL G., CLERIN E., AÏT-ALI N., BENNETT J., DALKARA D., SAHEL J.A., DUEBEL J. and LEVEILLARD T., “The thioredoxin encoded by the Rod-derived Cone Viability

- Factor gene protects cone photoreceptors against oxidative stress,” *Antioxidants & Redox Signaling*, March 29, 2016, [PMID: 27025156], DOI : 10.1089/ars.2015.6509.
- MOUROT A., FEHRENTZ T., LE FEUVRE Y., SMITH C.M., HEROLD C., DALKARA D., NAGY F., TRAUNER D. and KRAMER R.H., “Rapid optical control of nociception with an ion-channel photoswitch,” *Nature Methods*, April 2012, [PMID: 22343342 PMCID: PMC3906498], vol. 9, no. 4, 396–402, DOI : 10.1038/nmeth.1897.
- ORHAN E., DALKARA D., NEUILLE M., LECHAUVE C., MICHIELS C., PICAUD S., LEVEILLARD T., SAHEL J.-A., NAASH M.I., LAVAIL M.M., ZEITZ C. and AUDO I., “Genotypic and phenotypic characterization of P23H line 1 rat model,” *PloS One*, 2015, [PMID: 26009893 PMCID: PMC4444340], vol. 10, no. 5, e0127319, DOI : 10.1371/journal.pone.0127319.
- PERNET V., JOLY S., DALKARA D., JORDI N., SCHWARZ O., CHRIST F., SCHAFFER D.V., FLANNERY J.G. and SCHWAB M.E., “Long-distance axonal regeneration induced by CNTF gene transfer is impaired by axonal misguidance in the injured adult optic nerve,” *Neurobiology of Disease*, March 2013, [PMID: 23194670], vol. 51, 202–213, DOI : 10.1016/j.nbd.2012.11.011.
- PERNET V., JOLY S., DALKARA D., SCHWARZ O., CHRIST F., SCHAFFER D., FLANNERY J.G. and SCHWAB M.E., “Neuronal Nogo-A upregulation does not contribute to ER stress-associated apoptosis but participates in the regenerative response in the axotomized adult retina,” *Cell Death and Differentiation*, July 2012, [PMID: 22193546 PMCID: PMC3374074], vol. 19, no. 7, 1096–1108, DOI : 10.1038/cdd.2011.191.
- PERNET V., JOLY S., JORDI N., DALKARA D., GUZIK-KORNACKA A., FLANNERY J.G. and SCHWAB M.E., “Misguidance and modulation of axonal regeneration by Stat3 and Rho/ROCK signaling in the transparent optic nerve,” *Cell Death & Disease*, 2013, [PMID: 23868067 PMCID: PMC3730436], vol. 4, e734, DOI : 10.1038/cddis.2013.266.
- SAHEL J.-A., LEVEILLARD T., PICAUD S., DALKARA D., MARAZOVA K., SAFRAN A., PAQUES M., DUEBEL J., ROSKA B. and MOHAND-SAID S., “Functional rescue of cone photoreceptors in retinitis pigmentosa,” *Graefe’s Archive for Clinical and Experimental Ophthalmology = Albrecht Von Graefes Archiv Für Klinische Und Experimentelle Ophthalmologie*, July 2013, [PMID: 23575948], vol. 251, no. 7, 1669–1677, DOI : 10.1007/s00417-013-2314-7.
- THOMPSON D.A., ALI R.R., BANIN E., BRANHAM K.E., FLANNERY J.G., GAMM D.M., HAUSWIRTH W.W., HECKENLIVELY J.R., IANNACONE A., JAYASUNDERA K.T., KHAN N.W., MOLDAI R.S., PENNESI M.E., REH T.A., WELEBER R.G., ZACKS D.N. and MONACIANO CONSORTIUM, “Advancing therapeutic strategies for inherited retinal degeneration: recommendations from the Monaciano Symposium,” *Investigative Ophthalmology & Visual Science*, February 2015, [PMID: 25667399 PMCID: PMC4554258], vol. 56, no. 2, 918–931, DOI : 10.1167/iovs.14-16049.
- VACCA O., DARCHE M., SCHAFFER D.V., FLANNERY J.G., SAHEL J.-A., RENDON A. and DALKARA D., “AAV-mediated gene delivery in Dp71-null mouse model with compromised barriers,” *Glia*, March 2014, [PMID: 24382652], vol. 62, no. 3, 468–476, DOI : 10.1002/glia.22617.
- VACCA O., EL MATHARI B., DARCHE M., SAHEL J.-A., RENDON A. and DALKARA D., “Using Adeno-associated Virus as a Tool to Study Retinal Barriers in Disease,” *Journal of Visualized Experiments: JoVE*, 2015, [PMID: 25938717], no. 98, DOI : 10.3791/52451.
- VAJDA F., JORDI N., DALKARA D., JOLY S., CHRIST F., TEWS B., SCHWAB M.E. and PERNET V., “Cell type-specific Nogo-A gene ablation promotes axonal regeneration in the injured adult optic nerve,” *Cell Death and Differentiation*, February 2015, [PMID: 25257170 PMCID: PMC4291493], vol. 22, no. 2, 323–335, DOI : 10.1038/cdd.2014.147.
- YIN L., GREENBERG K., HUNTER J.J., DALKARA D., KOLSTAD K.D., MASELLA B.D., WOLFE R., VISEL M., STONE D., LIBBY R.T., DILORETO D., SCHAFFER D., FLANNERY J., WILLIAMS D.R. and MERIGAN W.H., “Intravitreal injection of AAV2 transduces macaque inner retina,” *Investigative Ophthalmology & Visual Science*, April 2011, [PMID: 21310920 PMCID: PMC3088562], vol. 52, no. 5, 2775–2783, DOI : 10.1167/iovs.10-6250.
- YIN L., MASELLA B., DALKARA D., ZHANG J., FLANNERY J.G., SCHAFFER D.V., WILLIAMS D.R. and MERIGAN W.H., “Imaging light responses of foveal ganglion cells in the living macaque eye,” *The Journal*

*of Neuroscience: The Official Journal of the Society for Neuroscience*, May 7, 2014, [PMID: 24806684  
PMCID: PMC4012315], vol. 34, no. 19, 6596–6605, DOI : 10.1523/JNEUROSCI.4438-13.2014.