# Genevieve Gourdon

List of Publications by Year
in descending order

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|---|---|---|---|
| 79 papers | 4,490 citations | 126907 33 h-index | 106344 65 g-index |
| 83 all docs | 83 docs citations | 83 times ranked | 3751 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Time-controlled and muscle-specific CRISPR/Cas9-mediated deletion of CTG-repeat expansion in the DMPK gene. Molecular Therapy - Nucleic Acids, 2022, 27, 184-199. | 5.1 | 4 |
| 2 | Antisense oligonucleotides as a potential treatment for brain deficits observed in myotonic dystrophy type 1. Gene Therapy, 2022, 29, 698-709. | 4.5 | 20 |
| 3 | DM1 Transgenic Mice Exhibit Abnormal Neurotransmitter Homeostasis and Synaptic Plasticity in Association with RNA Foci and Mis-Splicing in the Hippocampus. International Journal of Molecular Sciences, 2022, 23, 592. | 4.1 | 5 |
| 4 | Defects in Mouse Cortical Glutamate Uptake Can Be Unveiled In Vivo by a Two-in-One Quantitative Microdialysis. ACS Chemical Neuroscience, 2022, 13, 134-142. | 3.5 | 1 |
| 5 | Myotonic dystrophy RNA toxicity alters morphology, adhesion and migration of mouse and human astrocytes. Nature Communications, 2022, 13, . | 12.8 | 6 |
| 6 | Robust Detection of Somatic Mosaicism and Repeat Interruptions by Long-Read Targeted Sequencing in Myotonic Dystrophy Type 1. International Journal of Molecular Sciences, 2021, 22, 2616. | 4.1 | 21 |
| 7 | Integrative Cell Type-Specific Multi-Omics Approaches Reveal Impaired Programs of Glial Cell Differentiation in Mouse Culture Models of DM1. Frontiers in Cellular Neuroscience, 2021, 15, 662035. | 3.7 | 11 |
| 8 | Dysregulation of GSK3Î²-Target Proteins in Skin Fibroblasts of Myotonic Dystrophy Type 1 (DM1) Patients. Journal of Neuromuscular Diseases, 2021, 8, 603-619. | 2.6 | 2 |
| 9 | miR-223-3p and miR-24-3p as novel serum-based biomarkers for myotonic dystrophy type 1. Molecular Therapy - Methods and Clinical Development, 2021, 23, 169-183. | 4.1 | 6 |
| 10 | DM1 Phenotype Variability and Triplet Repeat Instability: Challenges in the Development of New Therapies. International Journal of Molecular Sciences, 2020, 21, 457. | 4.1 | 27 |
| 11 | 248th ENMC International Workshop: Myotonic dystrophies: Molecular approaches for clinical purposes, framing a European molecular research network, Hoofddorp, the Netherlands, 11â€“13 October 2019. Neuromuscular Disorders, 2020, 30, 521-531. | 0.6 | 1 |
| 12 | Real Time Videomicroscopy and Semiautomated Analysis of Brain Cell Culture Models of Trinucleotide Repeat Expansion Diseases. Methods in Molecular Biology, 2020, 2056, 217-240. | 0.9 | 2 |
| 13 | Fast Assays to Detect Interruptions in CTG.CAG Repeat Expansions. Methods in Molecular Biology, 2020, 2056, 11-23. | 0.9 | 5 |
| 14 | Correction of Glycogen Synthase Kinase 3Î² in Myotonic Dystrophy 1 Reduces the Mutant RNA and Improves Postnatal Survival of DMSXL Mice. Molecular and Cellular Biology, 2019, 39, . | 2.3 | 26 |
| 15 | Genome Editing of Expanded CTG Repeats within the Human DMPK Gene Reduces Nuclear RNA Foci in the Muscle of DM1 Mice. Molecular Therapy, 2019, 27, 1372-1388. | 8.2 | 38 |
| 16 | Peptide-conjugated oligonucleotides evoke long-lasting myotonic dystrophy correction in patient-derived cells and mice. Journal of Clinical Investigation, 2019, 129, 4739-4744. | 8.2 | 64 |
| 17 | Straightjacket/Î±2Î´3 deregulation is associated with cardiac conduction defects in myotonic dystrophy type 1. ELife, 2019, 8, . | 6.0 | 8 |
| 18 | Unusual association of a unique CAG interruption in 5â€² of DM1 CTG repeats with intergenerational contractions and low somatic mosaicism. Human Mutation, 2018, 39, 970-982. | 2.5 | 37 |

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|---|---|---|---|
| 19 | The flash-small-pool PCR: how to transform blotting and numerous hybridization steps into a simple denatured PCR. BioTechniques, 2018, 64, 262-265. | 1.8 | 8 |
| 20 | Of Mice and Men: Advances in the Understanding of Neuromuscular Aspects of Myotonic Dystrophy. Frontiers in Neurology, 2018, 9, 519. | 2.4 | 30 |
| 21 | CRISPR/Cas9-Induced (CTGâ‹…CAG) n Repeat Instability in the Myotonic Dystrophy Type 1 Locus: Implications for Therapeutic Genome Editing. Molecular Therapy, 2017, 25, 24-43. | 8.2 | 108 |
| 22 | Targeting DMPK with Antisense Oligonucleotide Improves Muscle Strength in Myotonic Dystrophy Type 1 Mice. Molecular Therapy - Nucleic Acids, 2017, 7, 465-474. | 5.1 | 71 |
| 23 | Downregulation of the Glial GLT1 Glutamate Transporter and Purkinje Cell Dysfunction in a Mouse Model of Myotonic Dystrophy. Cell Reports, 2017, 19, 2718-2729. | 6.4 | 33 |
| 24 | Myotonic Dystrophies: State of the Art of New Therapeutic Developments for the CNS. Frontiers in Cellular Neuroscience, 2017, 11, 101. | 3.7 | 78 |
| 25 | 322. Genome Editing for Nucleotide Repeat Disorders: Towards a New Therapeutic Approach for Myotonic Dystrophy Type 1. Molecular Therapy, 2016, 24, S129-S130. | 8.2 | 1 |
| 26 | 576. A Novel Gene Editing-Based Strategy for Myotonic Dystrophy Type 1. Molecular Therapy, 2015, 23, S229. | 8.2 | 0 |
| 27 | Abnormal sodium current properties contribute to cardiac electrical and contractile dysfunction in a mouse model of myotonic dystrophy type 1. Neuromuscular Disorders, 2015, 25, 308-320. | 0.6 | 26 |
| 28 | Neuroglial miscommunication in the cerebellum of a mouse model of myotonic dystrophy. Neuromuscular Disorders, 2015, 25, S213. | 0.6 | 0 |
| 29 | Sense and Antisense DMPK RNA Foci Accumulate in DM1 Tissues during Development. PLoS ONE, 2015, 10, e0137620. | 2.5 | 43 |
| 30 | Respiratory and neurobehavioural characteristics of a murine model of congenital myotonic dystrophy type 1. , 2015, , . | | 0 |
| 31 | RBFOX1 Cooperates with MBNL1 to Control Splicing in Muscle, Including Events Altered in Myotonic Dystrophy Type 1. PLoS ONE, 2014, 9, e107324. | 2.5 | 45 |
| 32 | Non-Radioactive Detection of Trinucleotide Repeat Size Variability. PLOS Currents, 2014, 6, . | 1.4 | 6 |
| 33 | Functional and histopathological identification of the respiratory failure in a DMSXL transgenic mouse model of Myotonic Dystrophy. DMM Disease Models and Mechanisms, 2013, 6, 622-31. | 2.4 | 20 |
| 34 | Respiratory failure in a mouse model of myotonic dystrophy does not correlate with the CTG repeat length. Respiratory Physiology and Neurobiology, 2013, 189, 22-26. | 1.6 | 5 |
| 35 | Longitudinal in vivo muscle function analysis of the DMSXL mouse model of myotonic dystrophy type 1. Neuromuscular Disorders, 2013, 23, 1016-1025. | 0.6 | 5 |
| 36 | Myotonic dystrophy CTG expansion affects synaptic vesicle proteins, neurotransmission and mouse behaviour. Brain, 2013, 136, 957-970. | 7.6 | 64 |

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|---|---|---|---|
| 37 | Synaptic protein dysregulation in myotonic dystrophy type 1. Rare Diseases (Austin, Tex ), 2013, 1, e25553. | 1.8 | 14 |
| 38 | Transcriptionally Repressive Chromatin Remodelling and CpG Methylation in the Presence of Expanded CTG-Repeats at the DM1 Locus. Journal of Nucleic Acids, 2013, 2013, 1-16. | 1.2 | 42 |
| 39 | Cell Recovery from DM1 Transgenic Mouse Tissue to Study (CTG) n Instability and DM1 Pathogenesis. Methods in Molecular Biology, 2013, 1010, 253-264. | 0.9 | 1 |
| 40 | Molecular, Physiological, and Motor Performance Defects in DMSXL Mice Carrying >1,000 CTG Repeats from the Human DM1 Locus. PLoS Genetics, 2012, 8, e1003043. | 3.5 | 95 |
| 41 | Muscleblind-like 2-Mediated Alternative Splicing in the Developing Brain and Dysregulation in Myotonic Dystrophy. Neuron, 2012, 75, 437-450. | 8.1 | 296 |
| 42 | Aberrant splicing and expression of the non muscle myosin heavy-chain gene MYH14 in DM1 muscle tissues. Neurobiology of Disease, 2012, 45, 264-271. | 4.4 | 20 |
| 43 | Myotonic dystrophy type 1-associated CTG repeats disturb the expression and subcellular distribution of microtubule-associated proteins MAP1A, MAP2, and MAP6/STOP in PC12 cells. Molecular Biology Reports, 2012, 39, 415-424. | 2.3 | 3 |
| 44 | Misregulation of miR-1 processing is associated with heart defects in myotonic dystrophy. Nature Structural and Molecular Biology, 2011, 18, 840-845. | 8.2 | 248 |
| 45 | Myotonic dystrophy mouse models: towards rational therapy development. Trends in Molecular Medicine, 2011, 17, 506-517. | 6.7 | 77 |
| 46 | O.6 Antisense approach for myotonic dystrophy. Neuromuscular Disorders, 2011, 21, 681. | 0.6 | 0 |
| 47 | Peripheral Neuropathy Is Linked to a Severe Form of Myotonic Dystrophy in Transgenic Mice. Journal of Neuropathology and Experimental Neurology, 2011, 70, 678-685. | 1.7 | 16 |
| 48 | The mouse mismatch repair protein, MSH3, is a nucleoplasmic protein that aggregates into denser nuclear bodies under conditions of stress. Journal of Cellular Biochemistry, 2011, 112, 1612-1621. | 2.6 | 9 |
| 49 | Stabilization of Expanded (CTG)â€¢(CAG) Repeats by Antisense Oligonucleotides. Molecular Therapy, 2011, 19, 2222-2227. | 8.2 | 65 |
| 50 | Myotonic dystrophy, when simple repeats reveal complex pathogenic entities: new findings and future challenges. Human Molecular Genetics, 2011, 20, R116-R123. | 2.9 | 75 |
| 51 | Expanded CTG repeat demarcates a boundary for abnormal CpG methylation in myotonic dystrophy patient tissues. Human Molecular Genetics, 2011, 20, 1-15. | 2.9 | 129 |
| 52 | Non-ATGâ€“initiated translation directed by microsatellite expansions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 260-265. | 7.1 | 826 |
| 53 | Maternal germline-specific effect of DNA ligase I on CTG/CAG instability. Human Molecular Genetics, 2011, 20, 2131-2143. | 2.9 | 41 |
| 54 | Tissue- and age-specific DNA replication patterns at the CTG/CAG-expanded human myotonic dystrophy type 1 locus. Nature Structural and Molecular Biology, 2010, 17, 1079-1087. | 8.2 | 63 |

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|---|---|---|---|
| 55 | Progressive skeletal muscle weakness in transgenic mice expressing CTG expansions is associated with the activation of the ubiquitinâ€“proteasome pathway. Neuromuscular Disorders, 2010, 20, 319-325. | 0.6 | 36 |
| 56 | Triplet-repeat oligonucleotide-mediated reversal of RNA toxicity in myotonic dystrophy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13915-13920. | 7.1 | 245 |
| 57 | MSH2 ATPase Domain Mutation Affects CTGâ€¢CAG Repeat Instability in Transgenic Mice. PLoS Genetics, 2009, 5, e1000482. | 3.5 | 81 |
| 58 | Myotonic Dystrophy Transgenic Mice Exhibit Pathologic Abnormalities in Diaphragm Neuromuscular Junctions and Phrenic Nerves. Journal of Neuropathology and Experimental Neurology, 2008, 67, 763-772. | 1.7 | 31 |
| 59 | CTG Trinucleotide Repeat â€œBig Jumpsâ€• Large Expansions, Small Mice. PLoS Genetics, 2007, 3, e52. | 3.5 | 93 |
| 60 | G.P.14.09 Functional characterization of skeletal muscles in DM1 mice. Neuromuscular Disorders, 2007, 17, 856-857. | 0.6 | 0 |
| 61 | T.O.4 Ribozyme-based gene therapy reverses muscle atrophy in a mouse model of myotonic dystrophy. Neuromuscular Disorders, 2007, 17, 899. | 0.6 | 1 |
| 62 | DM1 CTG expansions affect insulin receptor isoforms expression in various tissues of transgenic mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 1183-1191. | 3.8 | 38 |
| 63 | A simple and fast method for cell recovery and DNA content analysis from various mouse tissues by flow cytometry. Cytotechnology, 2007, 52, 107-112. | 1.6 | 4 |
| 64 | The expansion of 300 CTG repeats in myotonic dystrophy transgenic mice does not induce sensory or motor neuropathy. Acta Neuropathologica, 2007, 114, 175-185. | 7.7 | 9 |
| 65 | Msh3 is a limiting factor in the formation of intergenerational CTG expansions in DM1 transgenic mice. Human Genetics, 2006, 119, 520-526. | 3.8 | 122 |
| 66 | Transgenic Mouse Models of Unstable Trinucleotide Repeats: Toward an Understanding of Disease-Associated Repeat Size Mutation. , 2006, , 563-583. | | 4 |
| 67 | Analysis of CTG Repeats Using DM1 Model Mice. , 2004, 277, 185-198. | | 4 |
| 68 | MSH2-Dependent Germinal CTG Repeat Expansions Are Produced Continuously in Spermatogonia from DM1 Transgenic Mice. Molecular and Cellular Biology, 2004, 24, 629-637. | 2.3 | 103 |
| 69 | CTG repeat instability and size variation timing in DNA repair-deficient mice. EMBO Journal, 2003, 22, 2264-2273. | 7.8 | 179 |
| 70 | Mice transgenic for the human myotonic dystrophy region with expanded CTG repeats display muscular and brain abnormalities. Human Molecular Genetics, 2001, 10, 2717-2726. | 2.9 | 197 |
| 71 | Defective satellite cells in congenital myotonic dystrophy. Human Molecular Genetics, 2001, 10, 2079-2087. | 2.9 | 103 |
| 72 | Transgenic mice carrying large human genomic sequences with expanded CTG repeat mimic closely the DM CTG repeat intergenerational and somatic instability. Human Molecular Genetics, 2000, 9, 1185-1194. | 2.9 | 140 |

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|---|---|---|---|
| 73 | AFM/MDA 1st International Myotonic Dystrophy Consortium Conference. Neuromuscular Disorders, 1998, 8, 432-437. | 0.6 | 4 |
| 74 | Somatic instability of the CTG repeat in mice transgenic for the myotonic dystrophy region is age dependent but not correlated to the relative intertissue transcription levels and proliferative capacities. Human Molecular Genetics, 1998, 7, 1285-1291. | 2.9 | 70 |
| 75 | Moderate intergenerational and somatic instability of a 55-CTG repeat in transgenic mice. Nature Genetics, 1997, 15, 190-192. | 21.4 | 117 |
| 76 | Le mystÃ¨re de la dystrophie myotonique de Steinert reste entier : amplification d'un CTG mais plusieurs gÃ¨nes impliquÃ©s dans la pathologie ?. Medecine/Sciences, 1997, 13, 1123. | 0.2 | 1 |
| 77 | Cloning and characterization of the mouse alpha globin cluster and a new hypervariable marker. Mammalian Genome, 1996, 7, 749-753. | 2.2 | 5 |
| 78 | Analysis of a 70 kb segment of DNA containing the human Î¶ and Î±-globin genes linked to their regulatory element (HS-40) in transgenic mice. Nucleic Acids Research, 1994, 22, 4139-4147. | 14.5 | 48 |
| 79 | Identification of GATA-1 and NF-E2 Binding Sites in the Flanking Regions of the Human Alpha-Globin Genes. Acta Haematologica, 1992, 87, 136-144. | 1.4 | 7 |