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EDUCATION/TRAINING

Université de Paris XI, France	PhD	1997	Molecular Biology, Biochemistry
Université de Strasbourg, France	HDR (habilitation à diriger des recherches)	2009	Molecular Biology, Human Genetics

A. Positions and Honors.

Positions and Employment

1993-1997 PhD student, Commissariat à l'Energie Atomique (CEA Orsay France)
1997-2001 Post-doctoral position, Institute of Genetics and Molecular and Cellular Biology (IGBMC Illkirch France)
2001-2005 CNRS Research Scientist 2nd Class at IGBMC
2005- 2018 CNRS Research Scientist 1st Class at IGBMC & since 2014 at Laboratory of Cognitive and Adaptive Neurosciences (LNCA Strasbourg France)
2018 CNRS Research Director 2nd Class at LNCA

Other Experience and Professional Memberships

Regular reviewer for international journals (Hum Mol Genet, PLoS Genet, Biochem J,. Bioessays, Neurobiol Aging, Genetics, Nucleic Acid Res, Trends in genetics, Embo Mol. Med., Sci. Rep., Molecular Brain, Epigenetics, PLoS One….)
Regular grant reviewer (ERC, AFM, Fondation maladies rares, ANSES, Auckland Medical Research Foundation)
Regular jury member (PhD committees, awarding of PhD fellowships, Master of Neurosciences of Strasbourg)
Regular teaching activity (lectures and tutorials, Masters of Neurosciences of Strasbourg)
Regularly invited to give seminars and presentations at international meetings (≈20 during the last decade)
Co-organizers of national & international meetings (7th International Conference on Unstable Microsatellites and Human Disease, Mont St Odile France 2012; French day on Huntington's disease, Paris 2013; National day on Huntington's disease, Paris 2015)
Member of the review editorial board of Frontiers in Neurogenomics
Member of the scientific committee of the Association Huntington France (AHF) since 2012
Member of the Euro HD Network (working group on biological modifiers) since 2013

Honors

1993-1997 Doctoral fellowship from Commissariat à l'Energie Atomique (CEA), France
1998-2000 Post-doctoral fellowship from Association Française contre les Myopathies (AFM), France

B. Selected peer-reviewed publications.

h-Index: 20, >1500 citations, 31 publications

The striatal kinase DCLK3 produces neuroprotection against mutant huntingtin. Galvan L., Francelle L., de Longprez L., Carrillo-de Sauvage M.A., Liot G., Cambon K., Stimmer L., Luccantoni S., Flament J., Valette J., de Chaldée M., Auregan G., Guillermier M., Joséphine C., Petit F., Jan C, Jarrige M., Dufour N., Elalouf J.M. , Bonvento G., Humbert S., Saudou F., Hantraye P., **Merienne K**., Bemelmans A.P., Perrier A.L., Déglon N., Brouillet E. **Brain**. 2018 Mar 9 doi: 10.1093/brain/awy057 PMID:2953415

Altered enhancer transcription underlies Huntington's disease striatal transcriptional signature. Le Gras S., Keime C., Anthony A. Lotz C. De Longprez L., Brouillet E., Cassel JC., Boutillier AL., **Merienne K**. **Sci. Rep**. 2017 Feb 22;7:42875. doi: 10.1038/srep42875 PMID:28225006

Contribution of Neuroepigenetics to Huntington's disease. Francelle L., Lotz C. Outeiro T., Brouillet E., **Merienne K. Front Hum. Neurosci**. 2017 11:17.doi:10.3389/fnhum.2017.00017 PMID:28194101

Neuronal identity genes regulated by super-enhancers are preferentially down-regulated in the striatum of Huntington's disease mice. Achour M, Le Gras S, Keime C, Parmentier F, Lejeune FX, Boutillier AL, Néri C, Davidson I, **Merienne K. Hum Mol Genet**. 2015 Jun 15;24(12):3481-96. doi: 10.1093/hmg/ddv099. PMID:25784504

Transcription elongation and tissue-specific somatic CAG instability. Goula AV, Stys A, Chan JP, Trottier Y, Festenstein R, **Merienne K. PLoS Genet**. 2012;8(11):e1003051. doi: 10.1371/journal.pgen.1003051. PMID:23209427

Transcriptional activation of REST by Sp1 in Huntington's disease models. Ravache M, Weber C, **Merienne K**, Trottier Y. **PLoS One**. 2010 Dec 14;5(12):e14311. doi: 10.1371/journal.pone.0014311. PMID:21179468

Stoichiometry of base excision repair proteins correlates with increased somatic CAG instability in striatum over cerebellum in Huntington's disease transgenic mice. Goula AV, Berquist BR, Wilson DM 3rd, Wheeler VC, Trottier Y, **Merienne K. PLoS Genet.** 2009 Dec;5(12):e1000749. doi: 10.1371/journal.pgen.1000749. PMID:19997493

SCA8 CAG/CTG expansions, a tale of two TOXICities: a unique or common case? **Merienne K,** Trottier Y. **PLoS Genet**. 2009 Aug;5(8):e1000593. doi: 10.1371/journal.pgen.1000593. No abstract available. PMID:19680445

Mitogen- and stress-activated protein kinase-1 deficiency is involved in expanded-huntingtin-induced transcriptional dysregulation and striatal death. Roze E, Betuing S, Deyts C, Marcon E, Brami-Cherrier K, Pagès C, Humbert S, **Merienne K**, Caboche J**. FASEB J.** 2008 Apr;22(4):1083-93. PMID:18029446

Preventing polyglutamine-induced activation of c-Jun delays neuronal dysfunction in a mouse model of SCA7 retinopathy. **Merienne K**, Friedman J, Akimoto M, Abou-Sleymane G, Weber C, Swaroop A, Trottier Y. **Neurobiol Dis**. 2007 Mar;25(3):571-81. PMID:17189700

Polyglutamine expansion induces a protein-damaging stress connecting heat shock protein 70 to the JNK pathway. **Merienne K**, Helmlinger D, Perkin GR, Devys D, Trottier Y. **J Biol Chem.** 2003 May 9;278(19):16957-67. PMID:12598532

The ribosomal S6 kinases, cAMP-responsive element-binding, and STAT3 proteins are regulated by different leukemia inhibitory factor signaling pathways in mouse embryonic stem cells. Boeuf H, **Merienne K**, Jacquot S, Duval D, Zeniou M, Hauss C, Reinhardt B, Huss-Garcia Y, Dierich A, Frank DA, Hanauer A, Kedinger C. **J Biol Chem**. 2001 Dec 7;276(49):46204-11. PMID:11581263

Mitogen-regulated RSK2-CBP interaction controls their kinase and acetylase activities. **Merienne K**, Pannetier S, Harel-Bellan A, Sassone-Corsi P. **Mol Cell Biol**. 2001 Oct;21(20):7089-96. PMID:11564891

Activation of RSK by UV-light: phosphorylation dynamics and involvement of the MAPK pathway. **Merienne K**, Jacquot S, Zeniou M, Pannetier S, Sassone-Corsi P, Hanauer A. **Oncogene**. 2000 Aug 31;19(37):4221-9. PMID:10980595

A phosphoserine-regulated docking site in the protein kinase RSK2 that recruits and activates PDK1. Frödin M, Jensen CJ, **Merienne K**, Gammeltoft S. **EMBO J.** 2000 Jun 15;19(12):2924-34. PMID:10856237

A missense mutation in RPS6KA3 (RSK2) responsible for non-specific mental retardation. **Merienne K**, Jacquot S, Pannetier S, Zeniou M, Bankier A, Gecz J, Mandel JL, Mulley J, Sassone-Corsi P, Hanauer A. **Nat Genet**. 1999 May;22(1):13-4. No abstract available. PMID:10319851

C. Research Support (last 10 years)

ANR (ANR-2017-CE12-0027; “EpiHD” 2018-2021, coordinator)
CHDI USA (2017-2019, PI)
EHDN seed fund project (2015, PI)
ANR (ANR-2011-JSV6-003-01; “HexpanD” 2012-2016, PI)
Hereditary Disease Foundation USA –HDF- (2009-2011, PI)
EU Integrated Project (EUROSCA 2004-2009, Co-PI)