

PERSONAL INFORMATION

Name: ENTZ-WERLE
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<https://pharmacie.unistra.fr/umr7021/equipes-de-recherche/signalisation-tumorale-et-cibles-therapeutiques/recherche-translacionnelle/tumeurs-cerebrales-pediatriques-et-osteosarcome/>
<http://www.chru-strasbourg.fr/poles/Pediatrie-medico-chirurgicale/Onco-hematologie-pediatrique>

EDUCATION

2019: Level 1 in animal experimentation (reaccreditation)
2014: ICH-GCP with reaccreditation in 2017 and 2019
2007: HDR (Habilitation to supervise research), University of Strasbourg, France
2003: PhD in Biotechnology B2T, University of Paris VII-XI, France
2001: Oncology specialization, University of Strasbourg, France
1999: Pediatric Oncology specialization, University of Paris XI, France
1998: MD in Pediatrics, University of Strasbourg, France
1997: Master 2 in Oncogenesis, University of Paris XI

CURRENT POSITION

2018-present: Chair of the national working group on Brain Tumors in Société Française des Cancers de l'Enfant
2017-present: Member of pilot committee of REACT4KIDS consortium
2009-present: Professor of pediatrics, Department of pediatric Onco-hematology, University Hospital of Strasbourg, France
2003-2009: MCU-PH, Pediatric oncologist, Department of pediatric Onco-hematology, University Hospital of Strasbourg, France

PREVIOUS POSITIONS

02/06-02/07: Post-doctoral researcher/fellow, Sick Kids Hospital, Toronto
11/01-09/03: Associate Fellow in Laboratory of Biochemistry and Molecular Biology, University Hospital of Strasbourg, France
11/99-10/01: Fellow in Department of pediatric Onco-hematology, University Hospital of Strasbourg, France

TEACHING ACTIVITIES

2003-Present: University of Strasbourg, teaching in pediatrics, oncology (sarcomas, brain tumors), oncobiology, immunity and molecular biology
2010-present: DIU of pediatric Oncology (osteosarcomas and brain tumors), University of Paris XI
2017-present: coordinator of DU in Oncobiology
2020-present: interregionalteaching for fellows and resident on brain tumors

MEMBER of SCIENTIFIC SOCIETIES

Active member of AACR (American Association of Cancer Research)
Active member of SIOP (Société Internationale d’Oncologie Pédiatrique)
Active member of SFCE (Société Française des Cancers de l’Enfant)
Active member of SIOP-Brain Tumors (member of high grade and low grade working group)
Member of the scientific committee in GSF-GETO

TEN MOST RELEVANT PUBLICATIONS during the 5 last years (out of 93+ peer-reviewed articles)

- 1) Jannier S, Kemmel V, Sebastia Sancho C, Chammas A, Sabo AN, Pencreach E, Chenard MP, Lhermitte B, Geoerger B, Aerts I, Frappaz D, Leblond P, André N, Ducassou S, Corradini N, Bertozzi AI, Guérin E, Vincent F, Ventel M, **Entz-Werlé N. (2020)** SFCE-RAPIRI phase I study of rapamycin plus irinotecan: a new way to target intra-tumor hypoxia in pediatric refractory cancers. *Cancers (Basel)*, 12(10):3051.
- 2) Fuchs, Q., Pierrelvein, M., Messe, M., Blandin, A.F., Lhermitte, B., Dontenwill, M., **Entz-Werlé, N. (2020)**. HIFs signaling in pediatric high-grade gliomas: role, modelization and innovative targeted approaches. *Cancers (Basel)*, 12:979.
- 3) Blandin, A.F., Durand, A., Litzler, M., Tripp, A., Guérin, É., Ruhland, E., Obrecht, A., Keime, C., Fuchs, Q., Reita, D., Lhermitte, B., Coca, A., Jones C, Lelong-Rebel, L, Villa, P., Namer, I.J., Dontenwill, M., Guenot, D., **Entz-Werle, N. (2019)** Hypoxic Environment and Paired Hierarchical 3D and 2D Models of Pediatric H3.3-Mutated Gliomas Recreate the Patient Tumor Complexity. *Cancers (Basel)*, 11: 1875.
- 4) El-Khouly, F.E., Veldhuijzen van Zanten, S.E.M., Santa-Maria Lopez, V., Hendrikse, N.H., Kaspers, G.J.L., Loizos, G., Sumerauer, D., Nysom, K., Pruunsild, K., Pentikainen, V., Thorarinsdottir, H.K., Rutkauskiene, G., Calvagna, V., Drogosiewicz, M., Dragomir, M., Deak, L., Kitanovski, L., von Bueren, A.O., Kebudi, R., Slavic, I., Jacobs, S., Jadrijevic-Cvrle, F., **Entz-Werle N, Grill, J., Kattamis, A., Hauser, P., Pears, J., Biassoni, V., Massimino, M., Lopez Aguilar, E., Torsvik, I.K., Joao Gil-da-Costa, M., Kumirova, E., Cruz-Martinez, O., Holm, S., Bailey, S., Hayden, T., Thomale, U.W., Janssens, G.O.R., Kramm, C.M., van Vuurden, D.G. (2019)** Diagnostics and Treatment of Diffuse Intrinsic Pontine Glioma: Where Do We Stand? *J Neurooncol*, 145: 177-184.
- 5) Bund, C., Guergova-Kuras, M., Cicek, A.E., Moussallieh, F.M., Dali-Youcef, N., Piotta, M., Schneider, P., Heller, R., **Entz-Werle, N., Lhermitte, B., Chenard, M.P., Schott, R., Proust, F., Noël, G., Namer, I.J. (2019)** An Integrated Genomic and Metabolomic Approach for Defining Survival Time in Adult Oligodendrogliomas Patients. *Metabolomics*, 15: 69.
- 6) Lhermitte, B., Blandin, A.F., Coca, A., Guerin, E., Durand, A., **Entz-Werlé, N. (2018)** Signaling Pathway Deregulation and Molecular Alterations Across Pediatric Medulloblastomas. *Neurochirurgie*, 15: S0028-3770(18)30013-4.
- 7) Vinci, M., Burford, A., Molinari, V., Kessler, K., Popov, S., Clarke, M., Taylor, K.R., Pemberton, H.N., Lord, C.J., Gutteridge, A., Forshew, T., Carvalho, D., Marshall, L.V., Qin, E.Y., Ingram, W.J., Moore, A.S., Ng, H.K., Trabelsi, S., H'mida-Ben Brahim, D., **Entz-Werle N, Zacharoulis, S., Vaidya, S., Mandeville, H.C., Bridges, L.R., Martin, A.J., Al-Sarraj, S., Chandler, C., Sunol, M., Mora, J., de Torres, C., Cruz, O., Carcaboso, A.M., Monje, M., Mackay, A., Jones, C. (2018)** Functional Diversity and Cooperativity Between Subclonal Populations of Pediatric Glioblastoma and Diffuse Intrinsic Pontine Glioma Cells. *Nat Med*, 24: 1204-1215.
- 8) Mackay, A., Burford, A., Carvalho, D., Izquierdo, E., Fazal-Salom, J., Taylor, K.R., Bjerke, L., Clarke, M., Vinci, M., Nandhabalan, M., Temelso, S., Popov, S., Molinari, V., Raman, P., Waanders, A.J., Han, H.J., Gupta, S., Marshall, L., Zacharoulis, S., Vaidya, S., Mandeville, H.C., Bridges, L.R., Martin, A.J., Al-Sarraj, S., Chandler, C., Ng, H.K., Li, X., Mu, K., Trabelsi, S., Brahim, D.H., Kisljakov, A.N., Konovalov, D.M., Moore, A.S., Carcaboso, A.M., Sunol, M., de Torres, C., Cruz, O., Mora, J., Shats, L.I., Stavale, J.N., Bidinotto, L.T., Reis, R.M., **Entz-Werle N, Farrell, M., Cryan, J., Crimmins, D., Caird, J., Pears, J., Monje, M., Debily, M.A., Castel, D., Grill, J., Hawkins, C., Nikbakht, H., Jabado, N., Baker, S.J., Pfister, S.M., Jones, D.T.W., Fouladi, M., von Bueren, A.O., Baudis, M., Resnick, A., Jones, C. (2017)** Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. *Cancer Cell*, 32: 520-537.
- 9) Nguyen, A., Moussallieh, F.M., Mackay, A., Cicek, A.E., Coca, A., Chenard, M.P., Weingertner, N., Lhermitte, B., Letouzé, E., Guérin, E., Pencreach, E., Jannier, S., Guenot, D., Namer, I.J., Jones, C., **Entz-Werlé, N. (2017)** Characterization of the Transcriptional and Metabolic Responses of Pediatric High Grade Gliomas to mTOR-HIF-1 α Axis Inhibition. *Oncotarget*, 8:1597-71617.
- 10) Nguyen, A., Legrain, M., Noel, G., Coca, A., Meyer, N., Schott, R., Lasthaus, C, Chenard, M.P., Gaub, M.P., Lessinger, J.M., Guenot, D., **Entz-Werle, N. (2015)** An Innovative Fluorescent Semi-quantitative Methylation-specific PCR Method for the Determination of MGMT Promoter Methylation Is Reflecting Intra-tumor Heterogeneity. *Curr Cancer Drug Targets*, 15: 624-40.