

Institute for **Advanced Biosciences**

PUBLICATIONS 2023-2024

Swale C, Hakimi MA. **3'-end mRNA processing within apicomplexan parasites, a patchwork of classic, and unexpected players.** *Wiley Interdiscip Rev RNA*. 2023;14(5):e1783. doi:[10.1002/wrna.1783](https://doi.org/10.1002/wrna.1783)

Barbalat G, Hough I, Dorman M, Lepeule J, Kloog I. **A multi-resolution ensemble model of three decision-tree-based algorithms to predict daily NO(2) concentration in France 2005-2022.** *Environ Res*. 2024;257:119241. doi:[10.1016/j.envres.2024.119241](https://doi.org/10.1016/j.envres.2024.119241)

Boudet-Berquier J, Demattei C, Guldner L, et al. **A multidisciplinary and structured investigation of three suspected clusters of transverse upper limb reduction defects in France.** *Eur J Epidemiol*. 2024;39(7):753-771. doi:[10.1007/s10654-024-01125-5](https://doi.org/10.1007/s10654-024-01125-5)

Al Assi A, Posty S, Lamarche F, et al. **A novel inhibitor of the mitochondrial respiratory complex I with uncoupling properties exerts potent antitumor activity.** *Cell Death Dis*. 2024;15(5):311. doi:[10.1038/s41419-024-06668-9](https://doi.org/10.1038/s41419-024-06668-9)

Sheokand PK, Yamaryo-Botté Y, Narwal M, et al. **A Plasmodium falciparum lysophospholipase regulates host fatty acid flux via parasite lipid storage to enable controlled asexual schizogony.** *Cell Rep*. 2023;42(4):112251. doi:[10.1016/j.celrep.2023.112251](https://doi.org/10.1016/j.celrep.2023.112251)

Denommé-Pichon AS, Matalonga L, de Boer E, et al. **A Solve-RD ClinVar-based reanalysis of 1522 index cases from ERN-ITHACA reveals common pitfalls and misinterpretations in exome sequencing.** *Genet Med*. 2023;25(4):100018. doi:[10.1016/j.gim.2023.100018](https://doi.org/10.1016/j.gim.2023.100018)

Garanger E, Mignet N, Pichon C, Rols MP, Sancey L. **A special issue dedicated to the 2021 meeting of the French Society for Nanomedicine.** *Int J Pharm*. 2023;638:122928. doi:[10.1016/j.ijpharm.2023.122928](https://doi.org/10.1016/j.ijpharm.2023.122928)

Sancey L, Corvis Y, Begin-Colin S, Tsapis N. **A special issue dedicated to the 2022 meeting of the French society for nanomedicine.** *Int J Pharm*. 2024;654:124006. doi:[10.1016/j.ijpharm.2024.124006](https://doi.org/10.1016/j.ijpharm.2024.124006)

Kherraf ZE, Barbotin AL, Martinez G, et al. **A splice donor variant of GAS8 induces structural disorganization of the axoneme in sperm flagella and leads to nonsyndromic male infertility.** *Clin Genet*. 2024;105(2):220-225. doi:[10.1111/cge.14450](https://doi.org/10.1111/cge.14450)

Jacquet E, Chuffart F, Vitte AL, et al. **Aberrant activation of five embryonic stem cell-specific genes robustly predicts a high risk of relapse in breast cancers.** *BMC Genomics*. 2023;24(1):463. doi:[10.1186/s12864-023-09571-3](https://doi.org/10.1186/s12864-023-09571-3)



Zeaiteer N, Belot L, Cunin V, et al. **Acetyl-CoA synthetase (ACSS2) does not generate butyryl- and crotonyl-CoA.** *Mol Metab.* 2024;81:101903. doi:[10.1016/j.molmet.2024.101903](https://doi.org/10.1016/j.molmet.2024.101903)

Ghelfi J, Frandon J, Itkin M, Guiu B, Decaens T. **Acute Central Lymphatic Obstruction Associated with Decompensated Cirrhotic Ascites and Hydrothorax.** *J Vasc Interv Radiol.* 2023;34(9):1626-1629. doi:[10.1016/j.jvir.2023.05.034](https://doi.org/10.1016/j.jvir.2023.05.034)

Godard A, Galán LA, Rouillon J, et al. **Al(III) and Ga(III) Bisphenolate Azadipyrromethene-Based "N(2)O(2)" Complexes as Efficient NIR-Fluorophores.** *Inorg Chem.* 2023;62(13):5067-5080. doi:[10.1021/acs.inorgchem.2c03918](https://doi.org/10.1021/acs.inorgchem.2c03918)

Apu MNH, Shirokikh NE, Khochbin S, Soboleva TA. **An Improved Method for Purification of the Residual Bodies from the Seminiferous Tubules of Mice.** *Curr Protoc.* 2023;3(11):e920. doi:[10.1002/cpz1.920](https://doi.org/10.1002/cpz1.920)

Pascal M, Gorla S, Forceville G, et al. **Analyzing effect modifiers of the temperature-mortality relationship in the Paris region to identify social and environmental levers for more effective adaptation to heat.** *Health Place.* 2024;89:103325. doi:[10.1016/j.healthplace.2024.103325](https://doi.org/10.1016/j.healthplace.2024.103325)

Ouidir M, Jedynak P, Rolland M, et al. **Analyzing the impact of phthalate and DINCH exposure on fetal growth in a cohort with repeated urine collection.** *Environ Int.* 2024;186:108584. doi:[10.1016/j.envint.2024.108584](https://doi.org/10.1016/j.envint.2024.108584)

Vemparala B, Madelain V, Passaes C, et al. **Antiviral capacity of the early CD8 T-cell response is predictive of natural control of SIV infection: Learning in vivo dynamics using ex vivo data.** *PLoS Comput Biol.* 2024;20(9):e1012434. doi:[10.1371/journal.pcbi.1012434](https://doi.org/10.1371/journal.pcbi.1012434)

Brennan Kearns P, van den Dries MA, Julvez J, et al. **Association of exposure to mixture of chemicals during pregnancy with cognitive abilities and fine motor function of children.** *Environ Int.* 2024;185:108490. doi:[10.1016/j.envint.2024.108490](https://doi.org/10.1016/j.envint.2024.108490)

Guilbert A, Hough I, Seyve E, et al. **Association of Prenatal and Postnatal Exposures to Warm or Cold Air Temperatures With Lung Function in Young Infants.** *JAMA Netw Open.* 2023;6(3):e233376. doi:[10.1001/jamanetworkopen.2023.3376](https://doi.org/10.1001/jamanetworkopen.2023.3376)

Freire C, Castiello F, Babarro I, et al. **Association of prenatal exposure to phthalates and synthetic phenols with pubertal development in three European cohorts.** *Int J Hyg Environ Health.* 2024;261:114418. doi:[10.1016/j.ijheh.2024.114418](https://doi.org/10.1016/j.ijheh.2024.114418)

Guillien A, Slama R, Andrusaityte S, et al. **Associations between combined urban and lifestyle factors and respiratory health in European children.** *Environ Res.* 2024;242:117774. doi:[10.1016/j.envres.2023.117774](https://doi.org/10.1016/j.envres.2023.117774)

Jovanovic N, Mustieles V, Althuser M, et al. **Associations between synthetic phenols, phthalates, and placental growth/function: a longitudinal cohort with exposure assessment in early pregnancy.** *Hum Reprod Open.* 2024;2024(2):hoae018. doi:[10.1093/hropen/hoae018](https://doi.org/10.1093/hropen/hoae018)

Robinson O, Lau CE, Joo S, et al. **Associations of four biological age markers with child development: A multi-omic analysis in the European HELIX cohort.** *Elife.* 2023;12. doi:[10.7554/eLife.85104](https://doi.org/10.7554/eLife.85104)



Melén E, Zar HJ, Siroux V, et al. **Asthma Inception: Epidemiologic Risk Factors and Natural History Across the Life-Course.** *Am J Respir Crit Care Med.* Published online July 9, 2024. doi:[10.1164/rccm.202312-2249SO](https://doi.org/10.1164/rccm.202312-2249SO)

Falette-Puisieux M, Nault JC, Bouattour M, et al. **Beyond atezolizumab plus bevacizumab in patients with advanced hepatocellular carcinoma: overall efficacy and safety of tyrosine kinase inhibitors in a real-world setting.** *Ther Adv Med Oncol.* 2023;15:17588359231189425. doi:[10.1177/17588359231189425](https://doi.org/10.1177/17588359231189425)

Anguita-Ruiz A, Amine I, Stratakis N, et al. Beyond the single-outcome approach: A comparison of outcome-wide analysis methods for exposome research. *Environ Int.* 2023;182:108344. doi:[10.1016/j.envint.2023.108344](https://doi.org/10.1016/j.envint.2023.108344)

Orsi GA, Tortora MMC, Horard B, et al. **Biophysical ordering transitions underlie genome 3D re-organization during cricket spermiogenesis.** *Nat Commun.* 2023;14(1):4187. doi:[10.1038/s41467-023-39908-1](https://doi.org/10.1038/s41467-023-39908-1)

Dypås LB, Duale N, Olsen AK, et al. **Blood miRNA levels associated with ADHD traits in children across six European birth cohorts.** *BMC Psychiatry.* 2023;23(1):696. doi:[10.1186/s12888-023-05199-5](https://doi.org/10.1186/s12888-023-05199-5)

Delage L, Lambert M, Bardel É, et al. **BTG1 inactivation drives lymphomagenesis and promotes lymphoma dissemination through activation of BCAR1.** *Blood.* 2023;141(10):1209-1220. doi:[10.1182/blood.2022016943](https://doi.org/10.1182/blood.2022016943)

Bouin AP, Kyumurkov A, Planus E, Albiges-Rizo C. [Cellular tension and integrin trafficking]. *Med Sci (Paris).* 2023;39(8-9):597-599. doi:[10.1051/medsci/2023089](https://doi.org/10.1051/medsci/2023089)

Rocabois A, Sanchez M, Philippat C, et al. **Chemical exposome and children health: Identification of dose-response relationships from meta-analyses and epidemiological studies.** *Environ Res.* 2024;262(Pt 1):119811. doi:[10.1016/j.envres.2024.119811](https://doi.org/10.1016/j.envres.2024.119811)

Domínguez A, Koch S, Marquez S, et al. **Childhood exposure to outdoor air pollution in different microenvironments and cognitive and fine motor function in children from six European cohorts.** *Environ Res.* 2024;247:118174. doi:[10.1016/j.envres.2024.118174](https://doi.org/10.1016/j.envres.2024.118174)

Tran Mau-Them F, Overs A, Bruel AL, et al. **Combining globally search for a regular expression and print matching lines with bibliographic monitoring of genomic database improves diagnosis.** *Front Genet.* 2023;14:1122985. doi:[10.3389/fgene.2023.1122985](https://doi.org/10.3389/fgene.2023.1122985)

Bustamante M, Balagué-Dobón L, Buko Z, et al. **Common genetic variants associated with urinary phthalate levels in children: A genome-wide study.** *Environ Int.* 2024;190:108845. doi:[10.1016/j.envint.2024.108845](https://doi.org/10.1016/j.envint.2024.108845)

Quansah N, Charital S, Yamaryo-Botté Y, Botté CY. **Complex Endosymbiosis II: The Nonphotosynthetic Plastid of Apicomplexa Parasites (The Apicoplast) and Its Integrated Metabolism.** *Methods Mol Biol.* 2024;2776:43-62. doi:[10.1007/978-1-0716-3726-5_3](https://doi.org/10.1007/978-1-0716-3726-5_3)

Eroles M, Lopez-Alonso J, Ortega A, et al. **Coupled mechanical mapping and interference contrast microscopy reveal viscoelastic and adhesion hallmarks of monocyte differentiation into macrophages.** *Nanoscale.* 2023;15(29):12255-12269. doi:[10.1039/d3nr00757j](https://doi.org/10.1039/d3nr00757j)



Krishnamurthy S, Maru P, Wang Y, et al. **CRISPR Screens Identify Toxoplasma Genes That Determine Parasite Fitness in Interferon Gamma-Stimulated Human Cells.** *mBio*. 2023;14(2):e0006023. doi:[10.1128/mbio.00060-23](https://doi.org/10.1128/mbio.00060-23)

Casanova AG, Roth GS, Hausmann S, et al. **Cytoskeleton remodeling induced by SMYD2 methyltransferase drives breast cancer metastasis.** *Cell Discov*. 2024;10(1):12. doi:[10.1038/s41421-023-00644-x](https://doi.org/10.1038/s41421-023-00644-x)

Gregory J, Tselikas L, Allimant C, et al. **Defining textbook outcome for selective internal radiation therapy of hepatocellular carcinoma: an international expert study.** *Eur J Nucl Med Mol Imaging*. 2023;50(3):921-928. doi:[10.1007/s00259-022-06002-5](https://doi.org/10.1007/s00259-022-06002-5)

Guillien A, Niespodziana K, Mauclin M, et al. **Determinants of immunoglobulin G responses to respiratory syncytial virus and rhinovirus in children and adults.** *Front Immunol*. 2024;15:1355214. doi:[10.3389/fimmu.2024.1355214](https://doi.org/10.3389/fimmu.2024.1355214)

Yap YT, Li W, Huang Q, et al. **DNALI1 interacts with the MEIG1/PACRG complex within the manchette and is required for proper sperm flagellum assembly in mice.** *Elife*. 2023;12. doi:[10.7554/eLife.79620](https://doi.org/10.7554/eLife.79620)

Hough I, Rolland M, Guilbert A, et al. **Early delivery following chronic and acute ambient temperature exposure: a comprehensive survival approach.** *Int J Epidemiol*. 2023;52(3):761-773. doi:[10.1093/ije/dyac190](https://doi.org/10.1093/ije/dyac190)

Lozano M, McEachan RRC, Wright J, et al. **Early life exposure to mercury and relationships with telomere length and mitochondrial DNA content in European children.** *Sci Total Environ*. 2024;932:173014. doi:[10.1016/j.scitotenv.2024.173014](https://doi.org/10.1016/j.scitotenv.2024.173014)

Mignot V, Chirica C, Tron L, et al. **Early screening for chronic liver disease: impact of a FIB-4 first integrated care pathway to identify patients with significant fibrosis.** *Sci Rep*. 2024;14(1):20720. doi:[10.1038/s41598-024-66210-x](https://doi.org/10.1038/s41598-024-66210-x)

Mustieles V, Rolland M, Pin I, et al. **Early-Life Exposure to a Mixture of Phenols and Phthalates in Relation to Child Social Behavior: Applying an Evidence-Based Prioritization to a Cohort with Improved Exposure Assessment.** *Environ Health Perspect*. 2023;131(8):87006. doi:[10.1289/EHP11798](https://doi.org/10.1289/EHP11798)

Rolland M, Lyon-Caen S, Thomsen C, et al. **Effects of early exposure to phthalates on cognitive development and visual behavior at 24 months.** *Environ Res*. 2023;219:115068. doi:[10.1016/j.envres.2022.115068](https://doi.org/10.1016/j.envres.2022.115068)

Marsal A, Sauvain JJ, Thomas A, et al. **Effects of personal exposure to the oxidative potential of PM(2.5) on oxidative stress biomarkers in pregnant women.** *Sci Total Environ*. 2024;911:168475. doi:[10.1016/j.scitotenv.2023.168475](https://doi.org/10.1016/j.scitotenv.2023.168475)

Lim HY, Heo J, Peguero JA, et al. **Efficacy and safety of bintrafusp alfa in two phase 1 expansion cohorts with advanced hepatocellular carcinoma.** *Hepatology*. Published online August 13, 2024. doi:[10.1097/HEP.0000000000001054](https://doi.org/10.1097/HEP.0000000000001054)



Ghelfi J, Brusset B, Teyssier Y, et al. **Endovascular Lymphatic Decompression via Thoracic Duct Stent Placement for Refractory Ascites in Patients with Cirrhosis: A Pilot Study.** *J Vasc Interv Radiol.* 2023;34(2):212-217. doi:[10.1016/j.jvir.2022.10.030](https://doi.org/10.1016/j.jvir.2022.10.030)

Bonačić-Koutecký V, Le Guével X, Antoine R. **Engineering Liganded Gold Nanoclusters as Efficient Theranostic Agents for Cancer Applications.** *Chembiochem.* 2023;24(4):e202200524. doi:[10.1002/cbic.202200524](https://doi.org/10.1002/cbic.202200524)

Ferreira VHC, Gardette V, Busser B, et al. **Enhancing Diagnostic Capabilities for Occupational Lung Diseases Using LIBS Imaging on Biopsy Tissue.** *Anal Chem.* 2024;96(18):7038-7046. doi:[10.1021/acs.analchem.4c00237](https://doi.org/10.1021/acs.analchem.4c00237)

Adélaïde L, Hough I, Seyve E, et al. **Environmental and social inequities in continental France: an analysis of exposure to heat, air pollution, and lack of vegetation.** *J Expo Sci Environ Epidemiol.* Published online January 26, 2024. doi:[10.1038/s41370-024-00641-6](https://doi.org/10.1038/s41370-024-00641-6)

Amine I, Guillien A, Philippat C, et al. **Environmental exposures in early-life and general health in childhood.** *Environ Health.* 2023;22(1):53. doi:[10.1186/s12940-023-01001-x](https://doi.org/10.1186/s12940-023-01001-x)

Jedynak P, Siroux V, Broséus L, et al. **Epigenetic footprints: Investigating placental DNA methylation in the context of prenatal exposure to phenols and phthalates.** *Environ Int.* 2024;189:108763. doi:[10.1016/j.envint.2024.108763](https://doi.org/10.1016/j.envint.2024.108763)

Nakamura A, Broséus L, Tost J, et al. **Epigenome-Wide Associations of Placental DNA Methylation and Behavioral and Emotional Difficulties in Children at 3 Years of Age.** *Int J Mol Sci.* 2023;24(14). doi:[10.3390/ijms241411772](https://doi.org/10.3390/ijms241411772)

Ruiz-Arenas C, Abarrategui L, Hernandez-Ferrer C, et al. **Epimutation detection in the clinical context: guidelines and a use case from a new Bioconductor package.** *Epigenetics.* 2023;18(1):2230670. doi:[10.1080/15592294.2023.2230670](https://doi.org/10.1080/15592294.2023.2230670)

Lamarque C, Segaux L, Bachellier P, et al. **Evaluation of a delayed liver transplantation strategy for patients with HCC receiving bridging therapy: the DELTA-HCC study.** *J Hepatol.* 2024;81(2):278-288. doi:[10.1016/j.jhep.2024.03.019](https://doi.org/10.1016/j.jhep.2024.03.019)

Perrier Q, Minoves M, Cerana S, et al. **Evaluation of drug cost savings related to clinical trials from the perspective of a university hospital.** *Eur J Hosp Pharm.* Published online May 29, 2023:ejhpharm-2022-003671. doi:[10.1136/ejhpharm-2022-003671](https://doi.org/10.1136/ejhpharm-2022-003671)

Simon AA, Haye L, Alhalabi A, et al. **Expanding the Palette of SWIR Emitting Nanoparticles Based on Au Nanoclusters for Single-Particle Tracking Microscopy.** *Adv Sci (Weinh).* 2024;11(24):e2309267. doi:[10.1002/advs.202309267](https://doi.org/10.1002/advs.202309267)

Martinez G, Metzler-Guillemain C, Cazin C, et al. **Expanding the sperm phenotype caused by mutations in SPATA20: A novel splicing mutation in an infertile patient with partial globozoospermia.** *Clin Genet.* 2023;103(5):612-614. doi:[10.1111/cge.14284](https://doi.org/10.1111/cge.14284)

Levine AJ, Carpten JD, Murphy M, Hainaut P. **Exploring the genetic and molecular basis of differences in multiple myeloma of individuals of African and European descent.** *Cell Death Differ.* 2024;31(1):1-8. doi:[10.1038/s41418-023-01236-8](https://doi.org/10.1038/s41418-023-01236-8)



Coiffier O, Nakiwala D, Rolland M, et al. **Exposure to a mixture of non-persistent environmental chemicals and neonatal thyroid function in a cohort with improved exposure assessment.** *Environ Int.* 2023;173:107840. doi:[10.1016/j.envint.2023.107840](https://doi.org/10.1016/j.envint.2023.107840)

Le Moual N, Dumas O, Bonnet P, et al. **Exposure to Disinfectants and Cleaning Products and Respiratory Health of Workers and Children in Daycares: The CRESPI Cohort Protocol.** *Int J Environ Res Public Health.* 2023;20(10). doi:[10.3390/ijerph20105903](https://doi.org/10.3390/ijerph20105903)

Meunier M, Laurin D, Park S. **Extracellular Vesicles and MicroRNA in Myelodysplastic Syndromes.** *Cells.* 2023;12(4). doi:[10.3390/cells12040658](https://doi.org/10.3390/cells12040658)

Bestion E, Rachid M, Tijeras-Raballand A, et al. **Ezurpimtrostat, A Palmitoyl-Protein Thioesterase-1 Inhibitor, Combined with PD-1 Inhibition Provides CD8(+) Lymphocyte Repopulation in Hepatocellular Carcinoma.** *Target Oncol.* 2024;19(1):95-106. doi:[10.1007/s11523-023-01019-8](https://doi.org/10.1007/s11523-023-01019-8)

Ouidir M, Cissé AH, Botton J, et al. **Fetal and Infancy Exposure to Phenols, Parabens, and Phthalates and Anthropometric Measurements up to 36 Months, in the Longitudinal SEPAGES Cohort.** *Environ Health Perspect.* 2024;132(5):57002. doi:[10.1289/EHP13644](https://doi.org/10.1289/EHP13644)

Lawrence P, Chabane M, Abrouk L, et al. **First Molecular Characterization of Chronic Hepatitis B Carriers in Timbuktu, Mali.** *Diagnostics (Basel).* 2023;13(3). doi:[10.3390/diagnostics13030375](https://doi.org/10.3390/diagnostics13030375)

Raddi MG, Bencini S, Peruzzi B, et al. **Flow cytometric analysis of erythroid precursors and mutational signatures of lower risk myelodysplastic syndromes identify responders to erythroid stimulating agents.** *Blood Cancer J.* 2024;14(1):127. doi:[10.1038/s41408-024-01112-9](https://doi.org/10.1038/s41408-024-01112-9)

Aureille J, Prabhu SS, Barnett SF, et al. **Focal adhesions are controlled by microtubules through local contractility regulation.** *EMBO J.* 2024;43(13):2715-2732. doi:[10.1038/s44318-024-00114-4](https://doi.org/10.1038/s44318-024-00114-4)

Kyumurkov A, Bouin AP, Boissan M, et al. **Force tuning through regulation of clathrin-dependent integrin endocytosis.** *J Cell Biol.* 2023;222(1). doi:[10.1083/jcb.202004025](https://doi.org/10.1083/jcb.202004025)

Vigetti L, Tardieux I. **Fostering innovation to solve the biomechanics of microbe-host interactions: Focus on the adhesive forces underlying Apicomplexa parasite biology.** *Biol Cell.* 2023;115(10):e202300016. doi:[10.1111/boc.202300016](https://doi.org/10.1111/boc.202300016)

Stanfill SB, Hecht SS, Joerger AC, et al. **From cultivation to cancer: formation of N-nitrosamines and other carcinogens in smokeless tobacco and their mutagenic implications.** *Crit Rev Toxicol.* 2023;53(10):658-701. doi:[10.1080/10408444.2023.2264327](https://doi.org/10.1080/10408444.2023.2264327)

Thibert C, Lucas A, Billaud M, Torch S, Mével-Aliset M, Allard J. **Functions of LKB1 in neural crest development: The story unfolds.** *Dev Dyn.* 2023;252(8):1077-1095. doi:[10.1002/dvdy.581](https://doi.org/10.1002/dvdy.581)

Coudert A, Cazin C, Amiri-Yekta A, et al. **Genetic causes of macrozoospermia and proposal for an optimized genetic diagnosis strategy based on sperm parameters.** *J Genet Genomics.* 2023;50(7):536-540. doi:[10.1016/j.jgg.2023.04.007](https://doi.org/10.1016/j.jgg.2023.04.007)



Tusseau M, Eyries M, Chatron N, et al. **Genome sequencing identify chromosome 9 inversions disrupting ENG in 2 unrelated HHT families.** *Eur J Med Genet.* 2024;68:104919. doi:[10.1016/j.ejmg.2024.104919](https://doi.org/10.1016/j.ejmg.2024.104919)

Fernandes A, Avraam D, Cadman T, et al. **Green spaces and respiratory, cardiometabolic, and neurodevelopmental outcomes: An individual-participant data meta-analysis of >35.000 European children.** *Environ Int.* 2024;190:108853. doi:[10.1016/j.envint.2024.108853](https://doi.org/10.1016/j.envint.2024.108853)

Lanvin PL, Goronflot T, Isidor B, et al. **Growth charts in DYRK1A syndrome.** *Am J Med Genet A.* 2024;194(1):9-16. doi:[10.1002/ajmg.a.63412](https://doi.org/10.1002/ajmg.a.63412)

Liu Z, Xin B, Smith IN, et al. **Hemizygous variants in protein phosphatase 1 regulatory subunit 3F (PPP1R3F) are associated with a neurodevelopmental disorder characterized by developmental delay, intellectual disability and autistic features.** *Hum Mol Genet.* 2023;32(20):2981-2995. doi:[10.1093/hmg/ddad124](https://doi.org/10.1093/hmg/ddad124)

Jumentier B, Barrot CC, Estavoyer M, et al. **High-Dimensional Mediation Analysis: A New Method Applied to Maternal Smoking, Placental DNA Methylation, and Birth Outcomes.** *Environ Health Perspect.* 2023;131(4):47011. doi:[10.1289/EHP11559](https://doi.org/10.1289/EHP11559)

Ten Hoeve AL, Rodriguez ME, Säflund M, et al. **Hypermigration of macrophages through the concerted action of GRA effectors on NF- κ B/p38 signaling and host chromatin accessibility potentiates Toxoplasma dissemination.** *mBio.* Published online August 29, 2024:e0214024. doi:[10.1128/mbio.02140-24](https://doi.org/10.1128/mbio.02140-24)

Cavarocchi E, Sayou C, Lorès P, et al. **Identification of IQCH as a calmodulin-associated protein required for sperm motility in humans.** *iScience.* 2023;26(8):107354. doi:[10.1016/j.isci.2023.107354](https://doi.org/10.1016/j.isci.2023.107354)

Dubail J, Rondeau S, Michot C, et al. **Identification of kinesin family member (KIF22) homozygous variants in spondyloepimetaphyseal dysplasia with joint laxity, lepdodactylic type and demonstration of proteoglycan biosynthesis impairment.** *J Bone Miner Res.* 2024;39(3):287-297. doi:[10.1093/jbmr/zjad020](https://doi.org/10.1093/jbmr/zjad020)

Roth GS, Villeret F, Decaens T, Merle P, Nahon P. **Immunotherapy in hepatocellular carcinoma: How does underlying liver disease influence therapeutic strategy and outcomes?** *Liver Int.* 2023;43(3):546-557. doi:[10.1111/liv.15504](https://doi.org/10.1111/liv.15504)

Zhao T, Markevych I, Fuertes E, et al. **Impact of long-term exposure to ambient ozone on lung function over a course of 20 years (The ECRHS study): a prospective cohort study in adults.** *Lancet Reg Health Eur.* 2023;34:100729. doi:[10.1016/j.lanep.2023.100729](https://doi.org/10.1016/j.lanep.2023.100729)

Grdseloff N, Boulday G, Rödel CJ, et al. **Impaired retinoic acid signaling in cerebral cavernous malformations.** *Sci Rep.* 2023;13(1):5572. doi:[10.1038/s41598-023-31905-0](https://doi.org/10.1038/s41598-023-31905-0)

Philippat C, Coiffier O, Lyon-Caen S, et al. **In utero exposure to poly- and perfluoroalkyl substances and children respiratory health in the three first years of life.** *Environ Res.* 2023;234:116544. doi:[10.1016/j.envres.2023.116544](https://doi.org/10.1016/j.envres.2023.116544)



Antunes AV, Shahinas M, Swale C, et al. **In vitro production of cat-restricted Toxoplasma pre-sexual stages.** *Nature*. 2024;625(7994):366-376. doi:[10.1038/s41586-023-06821-y](https://doi.org/10.1038/s41586-023-06821-y)

Orsi L, Savouré M, Bousquet J, et al. **Indoor visible moulds and rhinitis in adults: The EGEA study.** *Allergy*. 2023;78(3):864-867. doi:[10.1111/all.15525](https://doi.org/10.1111/all.15525)

Goodrich JA, Wang H, Jia Q, et al. **Integrating Multi-Omics with environmental data for precision health: A novel analytic framework and case study on prenatal mercury induced childhood fatty liver disease.** *Environ Int*. 2024;190:108930. doi:[10.1016/j.envint.2024.108930](https://doi.org/10.1016/j.envint.2024.108930)

Fekom M, Nguyen TL, Lepeule J, et al. **Intergenerational transmission of tobacco smoking: The role of the child's behavioral difficulties. Data from the Danish National Birth cohort (DNBC).** *Drug Alcohol Depend*. 2024;255:111056. doi:[10.1016/j.drugalcdep.2023.111056](https://doi.org/10.1016/j.drugalcdep.2023.111056)

Valat A, Fourel L, Sales A, et al. **Interplay between integrins and cadherins to control bone differentiation upon BMP-2 stimulation.** *Front Cell Dev Biol*. 2022;10:1027334. doi:[10.3389/fcell.2022.1027334](https://doi.org/10.3389/fcell.2022.1027334)

Yang TC, Jovanovic N, Chong F, et al. **Interventions to Reduce Exposure to Synthetic Phenols and Phthalates from Dietary Intake and Personal Care Products: a Scoping Review.** *Curr Environ Health Rep*. 2023;10(2):184-214. doi:[10.1007/s40572-023-00394-8](https://doi.org/10.1007/s40572-023-00394-8)

Siroux V, Boudier A, Lyon-Caen S, et al. **Intra-breath changes in respiratory mechanics are sensitive to history of respiratory illness in preschool children: the SEPAGES cohort.** *Respir Res*. 2024;25(1):99. doi:[10.1186/s12931-024-02701-9](https://doi.org/10.1186/s12931-024-02701-9)

Moskalevska I, Faure V, Haye L, et al. **Intracellular accumulation and immunological response of NIR-II polymeric nanoparticles.** *Int J Pharm*. 2023;630:122439. doi:[10.1016/j.ijpharm.2022.122439](https://doi.org/10.1016/j.ijpharm.2022.122439)

Philippat C. **Invited Perspective: Deciphering the Role of Endocrine Disruptors in Cancer-Challenges and Opportunities for Epidemiological Research.** *Environ Health Perspect*. 2024;132(2):21301. doi:[10.1289/EHP14568](https://doi.org/10.1289/EHP14568)

Muroňová J, Kherraf ZE, Giordani E, et al. **Lack of CCDC146, a ubiquitous centriole and microtubule-associated protein, leads to non-syndromic male infertility in human and mouse.** *Elife*. 2024;12. doi:[10.7554/eLife.86845](https://doi.org/10.7554/eLife.86845)

Gardette V, Motto-Ros V, Alvarez-Llamas C, Sancey L, Duponchel L, Busser B. **Laser-Induced Breakdown Spectroscopy Imaging for Material and Biomedical Applications: Recent Advances and Future Perspectives.** *Anal Chem*. 2023;95(1):49-69. doi:[10.1021/acs.analchem.2c04910](https://doi.org/10.1021/acs.analchem.2c04910)

Garcia P, Wang Y, Viallet J, et al. **Liver cancer in ovo models for preclinical testing.** *FASEB J*. 2024;38(17):e70029. doi:[10.1096/fj.202401416R](https://doi.org/10.1096/fj.202401416R)

Carras S, Torroja A, Emadali A, et al. **Long-term analysis of the RiBVD phase II trial reveals the unfavorable impact of TP53 mutations and hypoalbuminemia in older adults with mantle cell lymphoma; for the LYSA group.** *Haematologica*. 2024;109(6):1857-1865. doi:[10.3324/haematol.2023.283724](https://doi.org/10.3324/haematol.2023.283724)



Moitra S, Carsin AE, Abramson MJ, et al. **Long-term effect of asthma on the development of obesity among adults: an international cohort study, ECRHS.** *Thorax.* 2023;78(2):128-135. doi:[10.1136/thoraxjnl-2021-217867](https://doi.org/10.1136/thoraxjnl-2021-217867)

Gaucher J, Montellier E, Vial G, et al. **Long-term intermittent hypoxia in mice induces inflammatory pathways implicated in sleep apnea and steatohepatitis in humans.** *iScience.* 2024;27(2):108837. doi:[10.1016/j.isci.2024.108837](https://doi.org/10.1016/j.isci.2024.108837)

Mustieles V, Lascouts A, Pozo OJ, et al. **Longitudinal Associations between Prenatal Exposure to Phthalates and Steroid Hormones in Maternal Hair Samples from the SEPAGES Cohort.** *Environ Sci Technol.* 2023;57(48):19202-19213. doi:[10.1021/acs.est.3c03401](https://doi.org/10.1021/acs.est.3c03401)

Pacheco Da Silva E, Ngutuka M, Dumas O, et al. **Longitudinal associations of household use of cleaning agents and asthma symptoms in women: the EGEA study.** *Occup Environ Med.* 2023;80(4):218-224. doi:[10.1136/oemed-2022-108513](https://doi.org/10.1136/oemed-2022-108513)

Shang L, Huang CC, Le Guével X. **Luminescent nanomaterials for biosensing and bioimaging.** *Anal Bioanal Chem.* 2024;416(17):3857-3858. doi:[10.1007/s00216-024-05341-6](https://doi.org/10.1007/s00216-024-05341-6)

Manches O, Um K, Boudier A, et al. **Maternal imprinting and determinants of neonates' immune function in the SEPAGES mother-child cohort.** *Front Immunol.* 2023;14:1136749. doi:[10.3389/fimmu.2023.1136749](https://doi.org/10.3389/fimmu.2023.1136749)

Bonello K, Gomajee R, Ibanez G, et al. **Maternal Tobacco Smoking During Pregnancy and Children's Emotional and Behavioral Trajectories: The EDEN Mother-Child Birth Cohort Study.** *Nicotine Tob Res.* 2023;25(6):1174-1183. doi:[10.1093/ntr/ntad023](https://doi.org/10.1093/ntr/ntad023)

Richard A, Berthelet J, Judith D, et al. **Methylation of ESCRT-III components regulates the timing of cytokinetic abscission.** *Nat Commun.* 2024;15(1):4023. doi:[10.1038/s41467-024-47717-3](https://doi.org/10.1038/s41467-024-47717-3)

Charital S, Lourdel A, Quansah N, Botté CY, Yamaryo-Botté Y. **Monitoring of Lipid Fluxes Between Host and Plastid-Bearing Apicomplexan Parasites.** *Methods Mol Biol.* 2024;2776:197-204. doi:[10.1007/978-1-0716-3726-5_12](https://doi.org/10.1007/978-1-0716-3726-5_12)

Calame DG, Guo T, Wang C, et al. **Monoallelic variation in DHX9, the gene encoding the DEXH-box helicase DHX9, underlies neurodevelopment disorders and Charcot-Marie-Tooth disease.** *Am J Hum Genet.* 2023;110(8):1394-1413. doi:[10.1016/j.ajhg.2023.06.013](https://doi.org/10.1016/j.ajhg.2023.06.013)

Tokarska-Schlattner M, Zeaiter N, Cunin V, et al. **Multi-Method Quantification of Acetyl-Coenzyme A and Further Acyl-Coenzyme A Species in Normal and Ischemic Rat Liver.** *Int J Mol Sci.* 2023;24(19). doi:[10.3390/ijms241914957](https://doi.org/10.3390/ijms241914957)

Racine C, Denommé-Pichon AS, Engel C, et al. **Multiple molecular diagnoses in the field of intellectual disability and congenital anomalies: 3.5% of all positive cases.** *J Med Genet.* 2023;61(1):36-46. doi:[10.1136/jmg-2023-109170](https://doi.org/10.1136/jmg-2023-109170)

Ruscione M, Montagud A, Chavrier P, et al. **Multiscale model of the different modes of cancer cell invasion.** *Bioinformatics.* 2023;39(6). doi:[10.1093/bioinformatics/btad374](https://doi.org/10.1093/bioinformatics/btad374)

Ashraf W, Ahmad T, Reynoird N, et al. **Natural and Synthetic Anticancer Epidrugs Targeting the Epigenetic Integrator UHRF1.** *Molecules.* 2023;28(16). doi:[10.3390/molecules28165997](https://doi.org/10.3390/molecules28165997)



Martinez G, Barbotin AL, Cazin C, et al. **New Mutations in DNHD1 Cause Multiple Morphological Abnormalities of the Sperm Flagella.** *Int J Mol Sci.* 2023;24(3). doi:[10.3390/ijms24032559](https://doi.org/10.3390/ijms24032559)

Godard A, Kalot G, Privat M, et al. **NIR-II Aza-BODIPY Dyes Bioconjugated to Monoclonal Antibody Trastuzumab for Selective Imaging of HER2-Positive Ovarian Cancer.** *J Med Chem.* 2023;66(7):5185-5195. doi:[10.1021/acs.jmedchem.3c00100](https://doi.org/10.1021/acs.jmedchem.3c00100)

Dacheux D, Martinez G, Broster Reix CE, et al. **Novel axonemal protein ZMYND12 interacts with TTC29 and DNAH1, and is required for male fertility and flagellum function.** *Elife.* 2023;12. doi:[10.7554/eLife.87698](https://doi.org/10.7554/eLife.87698)

Horvath C, Jarabicova I, Kura B, et al. **Novel, non-conventional pathways of necroptosis in the heart and other organs: Molecular mechanisms, regulation and inter-organelle interplay.** *Biochim Biophys Acta Mol Cell Res.* 2023;1870(7):119534. doi:[10.1016/j.bbamcr.2023.119534](https://doi.org/10.1016/j.bbamcr.2023.119534)

Ijurko C, Romo-González M, García-Calvo C, et al. **NOX2 control over energy metabolism plays a role in acute myeloid leukaemia prognosis and survival.** *Free Radic Biol Med.* 2023;209(Pt 1):18-28. doi:[10.1016/j.freeradbiomed.2023.10.013](https://doi.org/10.1016/j.freeradbiomed.2023.10.013)

Iuso D, Garcia-Saez I, Couté Y, et al. **Nucleoside diphosphate kinases 1 and 2 regulate a protective liver response to a high-fat diet.** *Sci Adv.* 2023;9(36):eadh0140. doi:[10.1126/sciadv.adh0140](https://doi.org/10.1126/sciadv.adh0140)

Iuso D, Guillaumet J, Schlattner U, Khochbin S. **Nucleoside Diphosphate Kinases Are ATP-Regulated Carriers of Short-Chain Acyl-CoAs.** *Int J Mol Sci.* 2024;25(14). doi:[10.3390/ijms25147528](https://doi.org/10.3390/ijms25147528)

Nadjar J, Monnier S, Bastien E, et al. **Optogenetically controlled inflammasome activation demonstrates two phases of cell swelling during pyroptosis.** *Sci Signal.* 2024;17(833):eabn8003. doi:[10.1126/scisignal.abn8003](https://doi.org/10.1126/scisignal.abn8003)

Kim M, Lyon-Caen S, Bayat S, Philippat C, Plancoulaine S. **Parents' Sleep Multi-Trajectory Modelling from 3 to 36 Months Postpartum in the SEPAGES Cohort.** *Nat Sci Sleep.* 2024;16:247-261. doi:[10.2147/NSS.S430024](https://doi.org/10.2147/NSS.S430024)

Davias A, Lyon-Caen S, Rolland M, et al. **Perinatal Exposure to Phenols and Poly- and Perfluoroalkyl Substances and Gut Microbiota in One-Year-Old Children.** *Environ Sci Technol.* 2024;58(35):15395-15414. doi:[10.1021/acs.est.3c09927](https://doi.org/10.1021/acs.est.3c09927)

Borlaza LJS, Uzu G, Ouidir M, et al. **Personal exposure to PM(2.5) oxidative potential and its association to birth outcomes.** *J Expo Sci Environ Epidemiol.* 2023;33(3):416-426. doi:[10.1038/s41370-022-00487-w](https://doi.org/10.1038/s41370-022-00487-w)

Wehbe Z, Barbotin AL, Boursier A, et al. **Phenotypic continuum and poor intracytoplasmic sperm injection prognosis in patients harboring HENMT1 variants.** *Andrology.* Published online August 9, 2024. doi:[10.1111/andr.13730](https://doi.org/10.1111/andr.13730)

Broséus L, Guilbert A, Hough I, et al. **Placental DNA methylation signatures of prenatal air pollution exposure and potential effects on birth outcomes: an analysis of three prospective cohorts.** *Lancet Planet Health.* 2024;8(5):e297-e308. doi:[10.1016/S2542-5196\(24\)00045-7](https://doi.org/10.1016/S2542-5196(24)00045-7)



Pérez Compte D, Etourneau L, Hesse AM, et al. **Plasma ALS and Gal-3BP differentiate early from advanced liver fibrosis in MASLD patients.** *Biomark Res.* 2024;12(1):44. doi:[10.1186/s40364-024-00583-z](https://doi.org/10.1186/s40364-024-00583-z)

Ibrahim B, Achour D, Zerimech F, et al. **Plasma thymic stromal lymphopoietin (TSLP) in adults with non-severe asthma: the EGEA study.** *Thorax.* 2023;78(2):207-210. doi:[10.1136/thorax-2022-219192](https://doi.org/10.1136/thorax-2022-219192)

Lepeule J, Pin I, Boudier A, et al. **Pre-natal exposure to NO(2) and PM(2.5) and newborn lung function: An approach based on repeated personal exposure measurements.** *Environ Res.* 2023;226:115656. doi:[10.1016/j.envres.2023.115656](https://doi.org/10.1016/j.envres.2023.115656)

Guilbert A, Bernard JY, Peyre H, et al. **Prenatal and childhood exposure to ambient air pollution and cognitive function in school-age children: Examining sensitive windows and sex-specific associations.** *Environ Res.* 2023;235:116557. doi:[10.1016/j.envres.2023.116557](https://doi.org/10.1016/j.envres.2023.116557)

Cáceres A, Carreras-Gallo N, Andrusaityte S, et al. **Prenatal environmental exposures associated with sex differences in childhood obesity and neurodevelopment.** *BMC Med.* 2023;21(1):142. doi:[10.1186/s12916-023-02815-9](https://doi.org/10.1186/s12916-023-02815-9)

Marsal A, Slama R, Lyon-Caen S, et al. **Prenatal Exposure to PM2.5 Oxidative Potential and Lung Function in Infants and Preschool- Age Children: A Prospective Study.** *Environ Health Perspect.* 2023;131(1):17004. doi:[10.1289/EHP11155](https://doi.org/10.1289/EHP11155)

Coiffier O, Lyon-Caen S, Boudier A, et al. **Prenatal exposure to synthetic phenols and phthalates and child respiratory health from 2 to 36 months of life.** *Environ Pollut.* 2023;330:121794. doi:[10.1016/j.envpol.2023.121794](https://doi.org/10.1016/j.envpol.2023.121794)

Jedynak P, Broséus L, Tost J, et al. **Prenatal exposure to triclosan assessed in multiple urine samples and placental DNA methylation.** *Environ Pollut.* 2023;335:122197. doi:[10.1016/j.envpol.2023.122197](https://doi.org/10.1016/j.envpol.2023.122197)

Gonçalves Soares A, Santos S, Seyve E, et al. **Prenatal Urban Environment and Blood Pressure Trajectories From Childhood to Early Adulthood.** *JACC Adv.* 2024;3(2):100808. doi:[10.1016/j.jacadv.2023.100808](https://doi.org/10.1016/j.jacadv.2023.100808)

Seigneurin-Berny D, Touat-Todeschini L, Timcheva K, Verdel A. **Protocol to study the role of a human nuclear m6A RNA reader on chromatin-associated RNA targets.** *STAR Protoc.* 2023;4(3):102528. doi:[10.1016/j.xpro.2023.102528](https://doi.org/10.1016/j.xpro.2023.102528)

Brusset B, Jacquemin M, Teyssier Y, et al. **Radiological diagnosis of hepatocellular carcinoma does not preclude biopsy before treatment.** *JHEP Rep.* 2024;6(1):100957. doi:[10.1016/j.jhepr.2023.100957](https://doi.org/10.1016/j.jhepr.2023.100957)

Nolte EM, Joubert AM, Lafanechère L, Mercier AE. **Radiosensitization of Breast Cancer Cells with a 2-Methoxyestradiol Analogue Affects DNA Damage and Repair Signaling In Vitro.** *Int J Mol Sci.* 2023;24(4). doi:[10.3390/ijms24043592](https://doi.org/10.3390/ijms24043592)

Mauz N, Bouisse M, Cahn JY, et al. **Rapid response system for critically ill patients with haematological malignancies: A pre- and post-intervention study.** *Eur J Haematol.* 2024;113(3):330-339. doi:[10.1111/ejh.14228](https://doi.org/10.1111/ejh.14228)



Ghelfi J, Decaens T, Macek Jilkova Z. **Rat Model of Hepatocellular Carcinoma for Better Understanding Immune Effects of Transarterial Chemoembolization.** *Radiology.* 2023;306(1):E1. doi:[10.1148/radiol.220179](https://doi.org/10.1148/radiol.220179)

Le Guével X, Josserand V, Harki O, Baulin VA, Henry M, Briançon-Marjollet A. **Real-time visualization of dextran extravasation in intermittent hypoxia mice using noninvasive SWIR imaging.** *Am J Physiol Heart Circ Physiol.* 2024;326(4):H900-H906. doi:[10.1152/ajpheart.00787.2023](https://doi.org/10.1152/ajpheart.00787.2023)

Lerosey L, Ksiasek E, Abrahamowicz M, et al. **Recipient age influences survival after liver transplant: Results of the French national cohort 2007-2017.** *Liver Int.* 2024;44(6):1396-1408. doi:[10.1111/liv.15867](https://doi.org/10.1111/liv.15867)

Jachiet V, Ricard L, Hirsch P, et al. **Reduced peripheral blood dendritic cell and monocyte subsets in MDS patients with systemic inflammatory or dysimmune diseases.** *Clin Exp Med.* 2023;23(3):803-813. doi:[10.1007/s10238-022-00866-5](https://doi.org/10.1007/s10238-022-00866-5)

Boursier A, Boudry A, Mitchell V, et al. **Results and perinatal outcomes from 189 ICSI cycles of couples with asthenozoospermic men and flagellar defects assessed by transmission electron microscopy.** *Reprod Biomed Online.* 2023;47(5):103328. doi:[10.1016/j.rbmo.2023.103328](https://doi.org/10.1016/j.rbmo.2023.103328)

Josserand V, Lavaud J, Keramidas M, et al. **RGD-Based Fluorescence to Assess Placental Angiogenesis.** *Methods Mol Biol.* 2024;2728:131-136. doi:[10.1007/978-1-0716-3495-0_11](https://doi.org/10.1007/978-1-0716-3495-0_11)

Bousquet J, Melén E, Haahtela T, et al. **Rhinitis associated with asthma is distinct from rhinitis alone: The ARIA-MeDALL hypothesis.** *Allergy.* 2023;78(5):1169-1203. doi:[10.1111/all.15679](https://doi.org/10.1111/all.15679)

Savouré M, Bousquet J, Leynaert B, et al. **Rhinitis phenotypes and multimorbidities in the general population: the CONSTANCES cohort.** *Eur Respir J.* 2023;61(2). doi:[10.1183/13993003.00943-2022](https://doi.org/10.1183/13993003.00943-2022)

Bendellaa M, Lelièvre P, Coll JL, Sancey L, Deniaud A, Busser B. **Roles of zinc in cancers: From altered metabolism to therapeutic applications.** *Int J Cancer.* 2024;154(1):7-20. doi:[10.1002/ijc.34679](https://doi.org/10.1002/ijc.34679)

Castillo-Ferrer C, Marguet T, Vanwonderghem L, et al. **Serum IGF1 Is a Prognostic Marker for Resistance to Targeted Therapies and a Predictive Marker for Anti-IGF1 Receptor Therapy in Melanoma.** *J Invest Dermatol.* 2024;144(2):422-426.e8. doi:[10.1016/j.jid.2023.07.016](https://doi.org/10.1016/j.jid.2023.07.016)

Warembourg C, Anguita-Ruiz A, Siroux V, et al. **Statistical Approaches to Study Exposome-Health Associations in the Context of Repeated Exposure Data: A Simulation Study.** *Environ Sci Technol.* 2023;57(43):16232-16243. doi:[10.1021/acs.est.3c04805](https://doi.org/10.1021/acs.est.3c04805)

Colin E, Duffourd Y, Chevarin M, et al. **Stepwise use of genomics and transcriptomics technologies increases diagnostic yield in Mendelian disorders.** *Front Cell Dev Biol.* 2023;11:1021920. doi:[10.3389/fcell.2023.1021920](https://doi.org/10.3389/fcell.2023.1021920)

Pola R, Grosmanová E, Pechar M, et al. **Stimuli-Responsive Polymer Nanoprobes Intended for Fluorescence-Guided Surgery of Malignant Head-and-Neck Tumors and Metastases.** *Adv Healthc Mater.* 2023;12(28):e2301183. doi:[10.1002/adhm.202301183](https://doi.org/10.1002/adhm.202301183)



Pison C, Tissot A, Bernasconi E, et al. **Systems prediction of chronic lung allograft dysfunction: Results and perspectives from the Cohort of Lung Transplantation and Systems prediction of Chronic Lung Allograft Dysfunction cohorts.** *Front Med (Lausanne)*. 2023;10:1126697. doi:[10.3389/fmed.2023.1126697](https://doi.org/10.3389/fmed.2023.1126697)

Yogavel M, Bougdour A, Mishra S, et al. **Targeting prolyl-tRNA synthetase via a series of ATP-mimetics to accelerate drug discovery against toxoplasmosis.** *PLoS Pathog*. 2023;19(2):e1011124. doi:[10.1371/journal.ppat.1011124](https://doi.org/10.1371/journal.ppat.1011124).

Shreim A, Gazzeri S, Eymin B. [Targeting the spliceosome: A new therapeutic strategy to counteract chemotherapy resistance in lung cancer?]. *Rev Mal Respir*. 2024;41(4):294-298. doi:[10.1016/j.rmr.2024.02.013](https://doi.org/10.1016/j.rmr.2024.02.013)

Charital S, Shunmugam S, Dass S, et al. **The acyl-CoA synthetase TgACS1 allows neutral lipid metabolism and extracellular motility in *Toxoplasma gondii* through relocation via its peroxisomal targeting sequence (PTS) under low nutrient conditions.** *mBio*. 2024;15(4):e0042724. doi:[10.1128/mbio.00427-24](https://doi.org/10.1128/mbio.00427-24)

Grichine A, Jacob S, Eckly A, et al. **The fate of mitochondria during platelet activation.** *Blood Adv*. 2023;7(20):6290-6302. doi:[10.1182/bloodadvances.2023010423](https://doi.org/10.1182/bloodadvances.2023010423)

Niedergang F, Tardieux I. The French Society for Cell Biology celebrates its 40th anniversary this year! *Biol Cell*. 2024;116(8):e2400045. doi:[10.1111/boc.202400045](https://doi.org/10.1111/boc.202400045)

Shunmugam S, Quansah N, Flammersfeld A, et al. **The patatin-like phospholipase PfpNPLA2 is involved in the mitochondrial degradation of phosphatidylglycerol during *Plasmodium falciparum* blood stage development.** *Front Cell Infect Microbiol*. 2023;13:997245. doi:[10.3389/fcimb.2023.997245](https://doi.org/10.3389/fcimb.2023.997245).

Levaillant L, Bouhours-Nouet N, Illouz F, et al. **The Severity of Congenital Hypothyroidism With Gland-In-Situ Predicts Molecular Yield by Targeted Next-Generation Sequencing.** *J Clin Endocrinol Metab*. 2023;108(9):e779-e788. doi:[10.1210/clinem/dgad119](https://doi.org/10.1210/clinem/dgad119)

Ikram S, Rege A, Negesse MY, Casanova AG, Reynoird N, Green EM. **The SMYD3-MAP3K2 signaling axis promotes tumor aggressiveness and metastasis in prostate cancer.** *Sci Adv*. 2023;9(46):ead5921. doi:[10.1126/sciadv.adi5921](https://doi.org/10.1126/sciadv.adi5921)

Baptista CG, Hosking S, Gas-Pascual E, et al. **The *Toxoplasma gondii* F-Box Protein L2 Functions as a Repressor of Stage Specific Gene Expression.** *PLoS Pathog*. 2024;20(5):e1012269. doi:[10.1371/journal.ppat.1012269](https://doi.org/10.1371/journal.ppat.1012269)

Baptista CG, Hosking S, Gas-Pascual E, et al. ***Toxoplasma gondii* F-Box Protein L2 Silences Feline-Restricted Genes Necessary for Sexual Commitment.** Published online December 18, 2023. doi:[10.1101/2023.12.18.572150](https://doi.org/10.1101/2023.12.18.572150)

Nguyen-Khac E, Nahon P, Ganry O, et al. **Unresectable hepatocellular carcinoma at dawn of immunotherapy era: real-world data from the French prospective CHIEF cohort.** *Eur J Gastroenterol Hepatol*. 2023;35(10):1168-1177. doi:[10.1097/MEG.0000000000002546](https://doi.org/10.1097/MEG.0000000000002546)



Cadman T, Strandberg-Larsen K, Calas L, et al. **Urban environment in pregnancy and postpartum depression: An individual participant data meta-analysis of 12 European birth cohorts.** *Environ Int.* 2024;185:108453. doi:[10.1016/j.envint.2024.108453](https://doi.org/10.1016/j.envint.2024.108453)

Renard AS, Paisant A, Cartier V, et al. **Validation of a screening algorithm for hepatic fibrosis by Doppler ultrasound and elastography in a general population.** *Acta Radiol.* 2023;64(5):1730-1737. doi:[10.1177/02841851221138519](https://doi.org/10.1177/02841851221138519)

Canivet CM, Costentin C, Irvine KM, et al. **Validation of the new 2021 EASL algorithm for the noninvasive diagnosis of advanced fibrosis in NAFLD.** *Hepatology.* 2023;77(3):920-930. doi:[10.1002/hep.32665](https://doi.org/10.1002/hep.32665)

Lo Presti C, Yamaryo-Botté Y, Mondet J, et al. **Variation in Lipid Species Profiles among Leukemic Cells Significantly Impacts Their Sensitivity to the Drug Targeting of Lipid Metabolism and the Prognosis of AML Patients.** *Int J Mol Sci.* 2023;24(6). doi:[10.3390/ijms24065988](https://doi.org/10.3390/ijms24065988)

Buffet A, Filser M, Bruel A, et al. **X-linked transient antenatal Bartter syndrome related to MAGED2 gene: enriching the phenotypic description and pathophysiologic investigation.** *Genet Med.* Published online July 18, 2024:101217. doi:[10.1016/j.gim.2024.101217](https://doi.org/10.1016/j.gim.2024.101217)

