

73 PUBLICATIONS COMMUNES SUR 2021

Pyridazinone Derivatives Limit Osteosarcoma-Cells Growth.

A. Moniot¹³, J. Braux¹³, C. Bour¹³, C. Guillaume¹³, F. Lamret¹³, M. Laronze-Cochard², I. Allart-Simon², S. Audonnet²⁰, S. Renault¹³, F. Rédini, J. Sapi², SC Gangloff¹³, S. Gérard², F. Velard¹³.
In Vitro and In Vivo. Cancers. 2021;13(23):5992.

Bone marrow mesenchymal stem cells offer an immune-privileged niche to *Cutibacterium acnes* in case of implant-associated osteomyelitis.

M. Dubus¹³, J. Varin¹³, S. Papa¹³, J. Chevrier¹³, F. Quilès, G. Francius, S. Audonnet²⁰, C. Mauprivez¹³, SC Gangloff¹³, R. Siboni¹³, X. Ohi¹³, F. Reffuveille¹³, H. Kerdjoudj¹³.
Acta Biomat. 2022;137:305-3015.

Comparison of biofilm development on three building and restoration stones used in French monuments.

S. Eyssautier-Chuine⁶, N. Vaillant-Gaveau⁶, E. Charpentier¹³, F. Reffuveille¹³.
International Biodeterioration & Biodegradation 2021;165:105322.

Synergy between Indoloquinolines and Ciprofloxacin: An Antibiofilm Strategy against *Pseudomonas aeruginosa*.

E. Charpentier¹³, L. Doudet², I. Allart-Simon², M. Colin¹³, SC Gangloff¹³, S. Gérard², F. Reffuveille¹³.
Antibiotics 2021;10(10):1205.

***Staphylococcus aureus* strain-dependent biofilm formation in bone-like environment.**

F. Lamret¹³, J. Varin-Simon¹³, F. Velard¹³, C. Terryn²⁰, C. Mongaret¹³, M. Colin¹³, SC Gangloff¹³, F. Reffuveille¹³.
Front Microbiol. 2021;12:714994.

Carbamylation of elastic fibers is a molecular substratum of aorta stiffness.

M. Doué¹, A. Okwieka¹, A. Berquand¹¹, L. Gorisse¹, P. Maurice¹, F. Velard¹³, C. Terryn²⁰, M. Molinari¹¹, L. Duca¹, C. Piétrement¹, P. Gillery¹, S. Jaisson¹.
Sci Rep. 2021;11:17827

Pyridazinone derivatives as Potential Anti-inflammatory Agents: Synthesis and Biological Evaluation as PDE4 inhibitors.

I. Allart-Simon², A. Moniot¹³, N. Bisi, M. Ponce-Vargas², S. Audonnet²⁰, M. Cochard², J. Sapi², E. Hénon², F. Velard¹³, S. Gérard².
RSC Med Chem. 2021;12:584.

Interaction of implant infection-related commensal bacteria with mesenchymal stem cells: A comparison between *Cutibacterium acnes* and *Staphylococcus aureus*.

TS El-Mahdy¹³, C. Mongaret¹³, J. Varin-Simon¹³, F. Lamret¹³, V. Vernet-Garnier¹⁸, H. Rammal¹³, C. Mauprivez¹³, H. Kerdjoudj¹³, SC Gangloff¹³, F. Reffuveille¹³.
FEMS Microbiol Lett. 2021:fnab014.

Hair Histology and Glycosaminoglycans Distribution Probed by Infrared Spectral Imaging: Focus on Heparan Sulfate Proteoglycan and Glypican-1 during Hair Growth Cycle.

C. Colin-Pierre¹, V. Untereiner²⁰, GD Sockalingum¹⁵, N. Berthélémy, L. Danoux, V. Bardey, S. Mine, C. Jeanmaire, L. Ramont¹, S. Brézillon¹.
Biomolecules. 2021;11(2):192. doi: 10.3390/biom11020192.

Assessment of Ovarian Tumor Growth in Wild-Type and Lumican-Deficient Mice: Insights Using Infrared Spectral Imaging, Histopathology, and Immunohistochemistry.

P. Nizet¹, V. Untereiner²⁰, GD Sockalingum¹⁵, I. Proutt¹, C. Terryn²⁰, A. Jeanne, L. Nannan¹, C. Boulagnon-Rombi, C. Sellier¹, R. Rivet¹, L. Ramont¹, S. Brézillon¹.

Cancers (Basel). 2021;13(23):5950. doi: 10.3390/cancers13235950.

Identification of Neoadjuvant Chemotherapy Response in Muscle-Invasive Bladder Cancer by Fourier-Transform Infrared Micro-Imaging.

C. Mazza¹⁵, V. Gaydou¹⁵, JC Eymard, P. Birembaut, V. Untereiner²⁰, JF Côté, I. Brocheriou, D. Coeffic, P. Villena, S. Larré¹⁵, V. Vuiblet¹⁵, O. Piot¹⁵.

Cancers (Basel). 2021;14(1):21. doi: 10.3390/cancers14010021.

New insights into hidradenitis suppurativa diagnosis via salivary infrared biosignatures: A pilot study.

S. Derruau^{15,18}, C. Gobinet¹⁵, V. Untereiner²⁰, GD Sockalingum¹⁵, A. Nassif, M. Viguiet¹⁸, O. Piot¹⁵, S. Lorimier¹⁸.

J Biophotonics. 2021;14(3):e202000327. doi: 10.1002/jbio.202000327.

White bile in patients with malignant biliary obstruction is an independent factor of poor survival.

R. D'almeida¹⁸, C. Barbe¹⁸, V. Untereiner²⁰, F. Ramaholimihaso¹⁸, P. Renard¹⁸, GD Sockalingum¹⁵, R. Garnotel^{15,18}, G. Thieffin^{15,18}.

Endosc Int Open. 2021;9(2):E203-E209. doi: 10.1055/a-1324-2721.

In depth investigation of collagen non-enzymatic glycation by Raman spectroscopy.

F. Alsamad, B. Brunel, V. Vuiblet¹⁵, P. Gillery, S. Jaisson¹, O. Piot¹⁵.

Spectrochim Acta A Mol Biomol Spectrosc. 2021 Apr 15;251:119382. doi: 10.1016/j.saa.2020.119382.

Automatic Identification of Paraffin Pixels on FTIR Images Acquired on FFPE Human Samples.

W. Boutegrabet¹⁵, D. Guenot, O. Bouché¹⁵, C. Boulagnon-Rombi¹, A. Marchal Bressenot, O. Piot¹⁵, C. Gobinet.

Anal Chem. 2021 Mar 2;93(8):3750-3761. doi: 10.1021/acs.analchem.0c03910.

Effects of the Tumor Environment on Ion Channels: Implication for Breast Cancer Progression.

H. Ouadid-Ahidouch, H. Morjani¹⁵, J. Schnipper, A. Girault, A. Ahidouch.

Rev Physiol Biochem Pharmacol 2021, 181:1-38.

Investigation of squalene-doxorubicin distribution and interactions within single cancer cell using Raman microspectroscopy.

H. Rammal, A. Al Assaad¹⁵, F. Dosio, B. Stella, A. Maksimenko, S. Mura, L. Van Gulick¹⁵, M. Callewaert², D. Desmaële, P. Couvreur, H. Morjani¹⁵, A. Beljebbar¹⁵.

Nanomedicine 2021, 35:102404.

The N and C-termini of SPCA2 regulate differently Kv10.1 function: role in the collagen 1-induced breast cancer cell survival.

A. Girault, M. Peretti, M. Badaoui, A. Hémon, H. Morjani¹⁵, H. Ouadid-Ahidouch.

Am J Cancer Res 2021, 11(1):251-263.

An integrated approach to investigate age-related modifications of morphological, mechanical and structural properties of type I collagen.

L. Van Gulick¹⁵, C. Saby¹⁵, S. Jaisson¹, A. Okwieka, P. Gillery²⁰, E. Dervin, H. Morjani¹⁵, A. Beljebbar¹⁵.

Acta Biomater 2022, 1;137:64-78.

Investigation of the neural correlates of mentalizing through the Dynamic Inference Task, a new naturalistic task of social cognition.

A. Henry¹⁴, D. Rauche-Chéné¹⁴, A. Obert, P. Gobin, K. Vucurovic¹⁴, S. Barrière, S. Sacré, C. Portefaix¹⁰, F. Gierski¹⁴, S. Caillies¹⁴, A. Kaladjian^{14,18}.(2021).

Neuroimage, 243, 118499. DOI : 10.1016/j.neuroimage.2021.118499

Neural Responses to the Implicit Processing of Emotional Facial Expressions in Binge Drinking.

S. Lannoy, L. Dricot, F. Benzerouk, C. Portefaix¹⁰, S. Barrière, V. Quaglino, M. Naassila, A. Kaladjian^{14,18}, F. Gierski¹⁴.(2021).

Alcohol and Alcoholism, 56(2), 166-174. DOI : 10.1093/alcalc/aaa093

Neural Correlates of Semantic Ambiguity Resolution in Paucisymptomatic Bipolar Disorder Patients.

D. Raucher-Chéné¹⁴, A. Obert, F. Gierski¹⁴, F. Benzerouk¹⁴, S. Terrien, S. Barrière, C. Portefaix¹⁰, C. Besche-Richard¹⁴, A. Kaladjian¹⁴.(2021).

Psychiatry Research: Neuroimaging, 316:111346. DOI: 10.1016/j.psychresns.2021.111346

Contributing roles of depression, anxiety, and impulsivity dimensions in eating behaviors styles in surgery candidates.

F. Benzerouk¹⁴, M. Guenin, F. Gierski¹⁴, D. Raucher-Chene¹⁴, S. Barriere, E. Bertin¹⁸, A. Kaladjian^{14,18}.(2021).

Journal of Eating Disorders, 9(1):148. DOI : 10.1186/s40337-021-00503-8

“Accidental, really?” Attributional bias in patients with Parkinson’s disease.

L. Decombe¹⁸, A. Henry¹⁴, R. Decombe, M. Tir, A. Doé de Maindreville¹⁴, L. Galland-Hairabedian, A. Kaladjian, D. Raucher-Chéné.(2021).

Parkinsonism and related disorders, 95, 18-22. <https://doi.org/10.1016/j.parkreldis.2021.12.013>.

Impact of executive functions and parental anxiety on the development of social cognition in premature children: A cross-sectional case-control protocol.

J. Eutrope^{14,18}, A. Novo¹⁸, C. Barbe¹⁸, G. Loron¹⁸, AC. Rolland¹⁸, S. Caillies¹⁴.(2021).

Frontiers in Psychiatry, 12. DOI :10.3389/fpsy.2021.484571

How to project oneself without positive and integrated memories? Exploration of self-defining memories and future projections in bipolar disorder.

D. Raucher-Chéné¹⁴, F. Berna, K. Vucurovic¹⁴, S. Barrière¹⁸, M. Van Der Linden, A. Kaladjian^{14,18}, C. Cuervo-Lombard.(2021).

Behaviour Research and Therapy, 138:103817. DOI : 10.1016/j.brat.2021.103817

Heterogeneity of executive function abilities in recently detoxified patients with alcohol use disorder: Evidence from a cluster analysis.

F. Schmid¹⁴, F. Benzerouk^{14,18}, S. Barrière¹⁸, A. Henry¹⁴, F. Limosin, A. Kaladjian^{14,18}, F. Gierski¹⁴. (2021).

Alcoholism: Clinical and Experimental Research. DOI : 10.1111/acer.14517

Association Between Early Amino Acid Intake and Full-Scale IQ at Age 5 Years Among Infants Born at Less Than 30 Weeks’ Gestation.

JC Rozé, B. Morel, A. Lapillonne, S. Marret, I. Guellec, D. Darmaun, N. Bednarek¹⁰, T. Moyon, L. Marchand-Martin, V. Benhammou, V. Pierrat, C. Flamant, G. Gascoin, D. Mitanchez, G. Cambonie, L. Storme, B. Tosello, V. Biran, O. Claris, JC Picaud, G. Favrais, A. Beuchée, G. Loron¹⁰, C. Gire, X. Durrmeyer, P. Gressens, E. Saliba, PY Ancel.

JAMA Network Open, 4(11):e2135452, 2021. 10.1001/jamanetworkopen.2021.35452

Sex disparities in COVID-19 outcomes of inpatients with diabetes: insights from the CORONADO study.

B. Tramunt, S. Smati, S. Coudol, M. Wargny, M. Pichelin, B. Guyomarch, A. Al-Salameh, C. Amadou, S. Barraud¹⁰, E. Bigot, L. Bordier, S. Borot, M. Bourgeon, O. Bourron, S. Charriere, N. Chevalier, E. Cosson, B. Fève, A. Flaus-Furmaniuk, P. Fontaine, A. Galioot, C. Gonfroy-Leymarie, B. Guerci, S. Lablanche, JD Lalau, E. Larger, A. Lasbleiz, B. Laviolle, M. Marre, M. Munch, L. Potier, G. Prévost, E. Renard, Y. Reznik, D. Seret-Begue, P. Sibilis, P. Thuillier, B. Verges, JF Gautier, S. Hadjadj, B. Cariou, F. Mauvais-Jarvis, P. Gourdy.

European Journal of Endocrinology, 185(2):299–311, 2021. 10.1530/EJE-21-0068

Use of dipeptidyl peptidase-4 inhibitors and prognosis of COVID-19 in hospitalized patients with type 2 diabetes: A propensity score analysis from the CORONADO study.

R. Roussel, P. Darmon, M. Pichelin, T. Goronflot, Y. Abouleka, L. Ait Bachir, I. Allix, D. Ancelle, S. Barraud¹⁰, L. Bordier, A. Carlier, N. Chevalier, C. Coffin-Boutreux, E. Cosson, A. Dorange, O. Dupuy, P. Fontaine, B. Fremy, F. Galtier, N. Germain, AM Guedj, E. Larger, S. Laugier-Robiolle, B. Laviolle, L. Ludwig, A. Monier, N. Montanier, P.

Moulin, I. Moura, G. Prevost, Y. Reznik, N. Sabbah, PJ Saulnier, P. Serusclat, C. Vatie, M. Wargny, S. Hadjadj, P. Gourdy, B. Cariou.

Diabetes, Obesity and Metabolism, 23(5):1162-1172, 2021. 10.1111/dom.14324

Automated brain MRI metrics in the EPIRMEX cohort of preterm newborns: Correlation with the neurodevelopmental outcome at 2 years.

B. Morel, P. Bertault, G. Favrais, E. Tavernier, B. Tosello, N. Bednarek¹⁰, L. Barantin, A. Chadie, M. Proisy, Y. Xu, I. Bloch, D. Sirinelli, C. Adamsbaum, C. Tauber, E. Saliba.

Diagnostic and Interventional Imaging, 102(4):225-232, 2021. 10.1016/j.diii.2020.10.009

Total gastrectomy for severe proton pump inhibitor-induced hypomagnesemia in a MEN1/Zollinger Ellison syndrome patient.

M. Perrier, B. Delemer¹⁰, S. Deguelte, V. Legros, H. Brixi, R. Kianmanesh, G. Cadiot.

Pancreatology, 21(1):236-239, 2021. 10.1016/j.pan.2020.12.002

A large extended family with hyperparathyroidism-jaw tumor syndrome due to deletion of the third exon of CDC73: clinical and molecular features.

L. Le Collen, S. Barraud¹⁰, A. Braconnier, L. Coppin, D. Zachar, C. Boulagnon, S. Deguelte, P. François Souchon, M. Spodenkiewicz, C. Poirsier, S. Aubert, MF Odou, B. Delemer¹⁰.

Endocrine, 73:693-701, 2021. 10.1007/s12020-021-02756-4

MR Imaging of the Perihepatic Space.

A. Bonnin, C. Durot, M. Djelouah, A. Dohan, L. Arrivé, P. Rousset, C. Hoeffel¹⁰.

Korean Journal of Radiology, 22(4):547, 2021. 10.3348/kjr.2019.0774

COVID-19: A qualitative chest CT model to identify severe form of the disease.

A. Devie, L. Kanagaratnam, JM Perotin, D. Jolly, JN Ravey, M. Djelouah, C. Hoeffel¹⁰.

Diagnostic and Interventional Imaging, 102(2):77-84, 2021. 10.1016/j.diii.2020.12.002

Focal splenic lesions: Imaging spectrum of diseases on CT, MRI and PET/CT.

M. Barat, C. Hoeffel¹⁰, M. Aissaoui, A. Dohan, A. Oudjit, R. Dautry, A. Paisant, B. Malgras, AS Cottereau, P. Soyer.

Diagnostic and Interventional Imaging, 102(9):501-513, 2021. 10.1016/j.diii.2021.03.006

Early-phase pelvic bone SPECT: Simulation and comparison of several acquisition protocols to reduce bladder artifact and improve image quality.

J. Ayoubi, S. Guendouzen, D. Morland¹⁰.

Medicine, 100(4):e24473, 2021. 10.1097/MD.00000000000024473

Superiority of NaF PET/CT Over Chest CT in a Case of Osteosarcoma.

D. Morland¹⁰, F. Godard, P. Lalire, JC Eymard, D. Papathanassiou¹⁰.

Clinical Nuclear Medicine, 46(7):584-585, 2021. 10.1097/RLU.0000000000003579

CT texture analysis as a predictor of favorable response to anti-PD1 monoclonal antibodies in metastatic skin melanoma.

A. Bonnin, C. Durot, M. Barat, M. Djelouah, F. Grange, S. Mulé, P. Soyer, C. Hoeffel¹⁰.

Diagnostic and Interventional Imaging, 100(42):e27550, 2021. 10.1016/j.diii.2021.09.009

Structured and shared MRI staging lexicon and report of rectal cancer: A consensus proposal by the French Radiology Group (GRERCAR) and Surgical Group (GRECCAR) for rectal cancer.

S. Nougaret, P. Rousset, K. Gormly, O. Lucidarme, S. Brunelle, L. Milot, C. Salut, F. Pilleul, L. Arrivé, C. Hordonneau, G. Baudin, P. Soyer, V. Brun, V. Laurent, C. Savoye-Collet, I. Petkovska, JP Gerard, E. Rullier, E. Cotte, P. Rouanet, RGH Beets-Tan, N. Frulio, C. Hoeffel¹⁰.

Diagnostic and Interventional Imaging 2021. 10.1016/j.diii.2021.08.003

Pegvisomant treatment in acromegaly in clinical practice: Final results of the French ACROSTUDY (312 patients).

S. Barraud¹⁰, P. Caron, I. Raingeard, H. Lefebvre, G. Raverot, C. Cortet-Rudelli, R. Desailly, R. Henocque, Y. Brault, T. Brue, P. Chanson, B. Delemer¹⁰.

A.les d'Endocrinologie, 82(6):582-589, 2021. 10.1016/j.ando.2021.05.004

Diagnosis of postoperative recurrence of Crohn disease with MR-enterography: Value of diffusion-weighted imaging.

M. Djelouah, V. Marical, L. Kanagaratnam, R. Kianmanesh, A. Biron, G. Cadiot, C. Hoeffel¹⁰.

Diagnostic and Interventional Imaging, 102(12):743-751, 2021. 10.1016/j.diii.2021.06.002

18F-FDG PET/CT in Anti-Leucine-Rich Glioma-Inactivated 1 Antibody Encephalitis.

PA Caquot, G. Zizi, M. Lelièvre, S. Dejust, D. Morland¹⁰.

Clinical Nuclear Medicine, 46(3):250-251, 2021. 10.1097/RLU.0000000000003469

An inaugural diabetic ketoacidosis with acute pancreatitis during COVID-19.

C. Tollard, V. Champenois, B. Delemer¹⁰, A. Carsin-Vu, S. Barraud¹⁰.

Acta Diabetologica, 58:389-391, 2021. 10.1007/s00592-020-01624-3

RHOBTB2 Mutations Expand the Phenotypic Spectrum of Alternating Hemiplegia of Childhood.

S. Zagaglia, D. Steel, S. Krithika, L. Hernandez-Hernandez, H. Martins Custodio, K. Gorman, A. Vezyroglou, R. Møller, M. King, T. Bjørg Hammer, R. Spaul, W. Fazeli, T. Bartolomaeus, D. Doummar, B. Keren, C. Mignot, N. Bednarek¹⁰, JH Cross, A. Mallick, A. Sanchis-Juan, A. Basu, F. Lucy Raymond, B. Lynch, A. Majumdar, H. Stamberger, S. Weckhuysen, S. Sisodiya, M. Kurian.

Neurology, 96(11):e1539-e1550, 2021. 10.1212/WNL.0000000000011543

18F-FDG cerebellum/liver index as a prognostic factor for progression-free survival in diffuse large B-cell lymphoma.

D. Morland¹⁰, G. Zizi, F. Godard, AC Gauchy, C. Durot, C. Hoeffel¹⁰, A. Delmer, D. Papathanassiou¹⁰, E. Durot.

Annals of Nuclear Medicine, 35(7):785-793, 2021. 10.1007/s12149-021-01609-4

LI-RADS v2018 major criteria: Do hepatocellular carcinomas in non-alcoholic steatohepatitis differ from those in virus-induced chronic liver disease on MRI?

M. Barat, TT Linh Nguyen, C. Hollande, JB Coty, C. Hoeffel¹⁰, B. Terris, A. Dohan, V. Mallet, S. Pol, P. Soyer.

European Journal of Radiology, 138:109651, 2021. 10.1016/j.ejrad.2021.109651

Gonadotropin-Secreting Pituitary Macroadenoma Complicated With Hemorrhagic Apoplexy in 18F-FDG PET/CT.

S. Dejust, B. Decoudier, B. Higél, CF Litre, D. Morland¹⁰.

Clinical Nuclear Medicine, 46(9):748-749, 2021. 10.1097/RLU.0000000000003710

Dual-Time-Point 18F-Fluorocholine PET/CT Improves Characterization of Thyroid Nodules in Patients Referred for Primary Hyperparathyroidism: A Proof of Concept Study.

J. Bani, D. Morland¹⁰, F. Hubelé, M. Ignat, A. Latge, K. Bourahla, M. Zalzali, M. Vix, D. Taïeb, A. Imperiale.

Clinical Nuclear Medicine, 46(12):965-970, 2021. 10.1097/RLU.0000000000003904

Pulmonary cavitations with increased 18F-FDG uptake revealing a thoracic endometriosis.

P. Mulette, A. Jacquet, A. Durlach, D. Papathanassiou¹⁰, P. Lalire, O. Graesslin, G. Delepine, S. Dury, V. Dormoy, JM Perotin, F. Lebargy, G. Deslée, C. Launois.

Medicine, 100(42):e27550, 2021. 10.1097/MD.0000000000027550

Random walkers on morphological trees: A segmentation paradigm.

FJ Alvarez Padilla, B. Romaniuk¹⁰, B. Naegel, S. Servagi-Vernat, D. Morland¹⁰, D. Papathanassiou¹⁰, N. Passat¹⁰.

Pattern Recognition Letters, 141:16-22, 2021. 10.1016/j.patrec.2020.11.001

Supervised quality evaluation of binary partition trees for object segmentation.

J. Randrianasoa, P. Cettour-Janet¹⁰, C. Kurtz, E. Desjardin¹⁰, P. Gançarski, N. Bednarek¹⁰, F. Rousseau, N. Passat¹⁰.
Pattern Recognition, 111:107667, 2021. 10.1016/j.patcog.2020.107667

Pyclen-based Gd complex with ionisable side-chain as a contrastophore for the design of hypersensitive MRI nanoprobes: Synthesis and relaxation studies.

F. Dioury, M. Callewaert², C. Cadiou, C. Henoumont, M. Molinari, S. Laurent, C. Portefaix¹⁰, M. Port, F. Chuburu.
Results in Chemistry, 3:100237, 2021. 10.1016/j.rechem.2021.100237

A Step toward the Quantification of Noncovalent Interactions in Large Biological Systems: The Independent Gradient Model-Extremely Localized Molecular Orbital Approach.

E. Wieduwilt, JC Boisson, G. Terraneo, E. Hénon, A. Genoni.
Journal of Chemical Information and Modeling, 61(2):795-809, 2021. 10.1021/acs.jcim.0c01188

Cerebral injuries in neonatal encephalopathy treated with hypothermia: French LyTONEPAL cohort.

J. Beck, N. Bednarek¹⁰, V. Pierrat, A. Vilotitch, G. Loron¹⁰, M. Alison, I. Guellec, L. Hertz-Pannier, C. de Launay, A. Ego, P. Vo-Van, PY Ancel, T. Debillon.
Pediatric Research 2021. 10.1038/s41390-021-01846-3

AMIDE v2: High-throughput screening based on AutoDock-GPU and improved workflow leading to better performance and reliability.

P. Darne^{2,8}, M. Dauchez¹, A. Renard, L. Voutquenne-Nazabadioko², D. Aubert⁸, S. Escotte-Binet⁸, JH Renault², I. Villena⁸, LA Steffanel, S. Baud¹.
Int. J. Mol. Sci., 2021, 22, 7489.

Implementation of an enzyme membrane reactor to intensify the α -O-Glycosylation of resveratrol using cyclodextrins.

I. Ioannou, E. Barboza, G. Willig, T. Marié⁸, A. Texeira, P. Darne^{2,8}, JH Renault², F. Allais.
Pharmaceuticals (Basel), 2021, 14, 319.

Investigation of antiparasitic activity of ten European tree bark extracts on *Toxoplasma gondii* and bioguided identification of triterpenes in *Alnus glutinosa* barks.

P. Darne^{2,8}, J. Spalenka⁸, J. Hubert, S. Escotte-Binet⁸, L. Debelle¹, I. Villena⁸, C. Sayagh², N. Borie², A. Martinez², B. Bertaux², L. Voutquenne-Nazabadioko², JH. Renault², D. Aubert⁸.
Antimicrob. Agents Chemother, 2021, AAC0109821.

Vascular calcification during chronic kidney disease: role of a RAGE/Cathepsin S/elastin peptides axis.

A. Wahart¹, J. Ortillon¹, K. Belmokhtar¹, C. Schmelzer, A. Heinz, F. Velard¹³, C. Boulagnon-Rombi^{1,18}, C. Terryn²⁰, M. Laffargue, A. Auberi, C. Bour¹, B. Romier-Crouzet¹, H. Sartelet¹, S. Blaise¹, P. Maurice¹, A. Bennasroune¹, S. Jaisson^{1,18}, P. Gillery^{1,18}, L. Martiny¹, L. Debelle¹, P. Rieu^{1,18}, F. Touré^{1,18}, L. Duca¹.
Submitted to Cardiovas. Res.

Characterization of novel interactions with membrane NEU1 highlights new biological functions for this sialidase in vascular diseases.

O. Bocquet¹, D. Tembely¹, D. Rioult, C. Terryn²⁰, B. Romier¹, A. Bennasroune¹, S. Blaise¹, H. Sartelet¹, L. Martiny¹, L. Duca¹, P. Maurice¹.
Cell Biosci. 2021 Dec 13;11(1):206. doi: 10.1186/s13578-021-00718-x

Apelin expression deficiency in mice contributes to vascular stiffening by extracellular matrix remodeling of the aortic wall.

B. Romier¹, C. Dray, A. Wahart¹, T. Hocine¹, A. Dortignac, ML Sowa¹, Ch Garbar¹⁹, Co Garbar¹⁹, L. Vanalderwiert¹, C. Boulagnon^{1,18}, N. Bouland¹⁸, P. Maurice¹, A. Bennasroune¹, L. Martiny¹, L. Duca¹, P. Valet, S. Blaise¹.
November 2021. Scientific Reports 11(1) doi: 10.1038/s41598-021-01735-z

Targeting ovarian carcinoma with TSP-1:CD47 antagonist TAX2 activates anti-tumor immunity.

A. Jeanne, T. Sarazin¹, M. Charlé¹, C. Moali, C. Fichel, C. Boulagnon-Rombi^{1,18}, M. Callewaert², MC Andry², E. Diesis, F. Delolme, D. Rioult²⁰, S. Dedieu¹.
Cancers 2021, 13, 5019. doi.org/10.3390/cancers13195019 6.12

Identification and evaluation of new inhibitors of human neuraminidase 1 extracted from *Olyra latifolia* L.: a preliminary study.

C. Albrecht^{1*}, ZL Evariste Akissi*, P Akoua Yao-Kouassi, AA Magid², P. Maurice¹, L. Duca¹, L. Voutquenne-Nazabadioko^{2*}, A. Bennasroune^{1*}.
Biomedicines. 2021; 9(4):411

A collagen XIX-derived peptide, inhibits tumor angiogenesis through alphavbeta3 and alpha5beta1 integrin interaction.

JB Oudart¹, M. Villemin, B. Brassart¹, C. Sellier¹, C. Terryn²⁰, A. Dupont-Deshorgue¹, JC Monboisse^{1,18}, FX Maquart^{1,18}, L. Ramont^{1,18}, S. Brassart-Pasco¹.
Cell Adh Migr. 2021 Dec;15(1):215-223. doi: 10.1080/19336918.2021.1951425. 3.40

Anti-tumoral and anti-angiogenic effects of low-diluted *Phenacetinum* on melanoma.

C. Fuselier¹, S. Quemener, E. Dufay¹, C. Bour¹, C. Boulagnon-Rombi^{1,18}, N. Bouland¹⁸, EH Djermoune, J. Devy¹, L. Martiny¹, C. Schneider¹.
Frontiers in Oncology 2021. doi: 10.3389/fonc.2021.597503. 4.85

Multimodal Approach for Cancer Cell Investigation.

A. Berquand²⁰, J. Devy¹.
Methods Mol Biol. 2021;2350:289-297.

The detrimental invasiveness of glioma cells controlled by gadolinium chelate-coated gold nanoparticles.

M. Durand, E. Lelièvre, A. Chateau, A. Berquand²⁰, G. Laurent, P. Carl, S. Roux, L. Chazée¹, R. Bazzi, F. Eghiaian, P. Rondé, J. Jubréaux, M. Barberi-Heyob, P. Chastagner, J. Devy^{1*}, S. Pinel*.
Nanoscale 2021.

Identifying specific needs in adult cystic fibrosis patients: a pilot study using a custom questionnaire.

S. Dury¹⁷, JM Perotin³, B. Ravoninjatovo, C. Llerena, J. Ancel³, P. Mulette, M. Griffon, S. Carré, A. Perrin, F. Lebargy¹⁷, G. Deslée³, C. Launois.
BMC Pulmonary Medicine, (2021),21(1).
DOI: <https://doi.org/10.1186/s12890-021-01613-4>. Réf. HAL: hal-03325630

Associations entre la dyspnée dans la vie quotidienne liée à l'obésité, l'évaluation respiratoire et la composition corporelle analysée par absorptiométrie biphotonique à rayons X : étude prospective chez 130 patients candidats à une chirurgie bariatrique.

J. Hagenburg, JM Perotin³, S. Dury¹⁷, F. Lebargy¹⁷, G. Deslée³, C. Launois.
Revue des Maladies Respiratoires Actualites, (2021) 13(1):146-147.
DOI: <https://doi.org/10.1016/j.rmra.2020.11.309>. Réf. HAL: hal-03194060

Traitement du reflux gastro-œsophagien (RGO) dans l'asthme.

C. Launois, P. Mulette, J. Ancel³, S. Dury¹⁷, J. Hagenburg, F. Lebargy¹⁷, V. Dormoy³, G. Deslee³, JM Perotin³.
Revue des Maladies Respiratoires. (2021)
DOI: <https://doi.org/10.1016/j.rmr.2021.04.013>. Réf. HAL: hal-03246303

Insomnia in adults with cystic fibrosis: strong association with anxiety/depression and impaired quality of life.

P. Mulette, B. Ravoninjatovo, C. Guguen, C. Barbe, J. Ancel³, S. Dury¹⁷, A. Dumazet, D. Perdu, JM Perotin³, T.

Guillard³, F. Lebargy¹⁷, G. Deslee³, C. Launois.
BMC Pulmonary Medicine, (2021), 21(1).
DOI: <https://doi.org/10.1186/s12890-021-01473-y>. Réf. HAL: hal-03194001

Synthesis of New Betaine-Based Ionic Liquids by Using a “One-Pot” Amidation Process and Evaluation of Their Ecotoxicity through a New Method Involving a Hemocyte-Based Bioassay.

JP Mbakidi², I. Barjhoux⁴, K. Aguib², A. Geffard⁴, D. Rioult^{4,20}, M. Palos Ladeiro⁴, S. Bouquillon².
ACS Sustainable Chemistry & Engineering, 2021, 9, 46, 15427–15441. DOI:10.1021/acssuschemeng.1c03982.

Blue mussel (*Mytilus edulis*) – a bioindicator of marine water contamination by protozoa: laboratory and *in situ* approaches.

A. Bigot-Clivot⁴, SL Carbona, C. Cazeaux, L. Durand, E. Géba⁴, FL Foll⁴, B. Xuereb⁴, H. Chalhmi⁴, JP Dubey, F. Bastien⁴, I. Bonnard⁴, M. Palos Ladeiro⁴, S. Escotte-Binet⁸, D. Aubert⁸, I. Villena⁸, A. Geffard⁴.
Journal of Applied Microbiology. 2021; 132(1):736-746.