

## Publications internationales AGIR 2022

### **(P2022-01)** Seven shades of *Cryptosporidium*

J. Crestia, R. Razakandrainibe, D. Costa, C. Damiani, A. Totet, Y. Le Govic  
*Clin. Microbiol. Infect.* 2022, 28(4), 548-549; doi: 10.1016/j.cmi.2021.04.023.

### **(P2022-02)** Antimalarial drug discovery: from quinine to the most recent promising clinical drug candidates

C. Tisnerat, A. Dassonville-Klimpt, F. Gosselet, P. Sonnet  
*Curr. Med. Chem.* 2022, 29(19), 3326-3365; doi: 10.2174/0929867328666210803152419.

### **(P2022-03)** The impact of phosphatidylserine exposure on cancer cell membranes on the activity of the anticancer peptide HB43

C. Herrera-Léon, F. Ramos-Martín, V. Antonietti, P. Sonnet, N. D'Amelio  
*FEBS J.* 2022, 289(7), 1984-2003; doi: 10.1111/febs.16276.

### **(P2022-04)** Design, synthesis, and characterization of novel aminoalcohol quinolines with strong in vitro antimalarial activity

A. Dassonville-Klimpt, J. Schneider, C. Damiani, S. Klieber, A. Cohen, C. Tisnerat, N. Azas, A. Totet, J. Guillon, C. Mullié, P. Agnamey, N. Taudon, A. Pellet, B. Pradines, P. Sonnet  
*Eur. J. Med. Chem.* 2022, 228, 113981; doi: 10.1016/j.ejmech.2021.113981.

### **(P2022-05)** Retrospective multicentric study on *Campylobacter spp.* bacteremia in France: the Campylobacteremia study

C. Tinévez, F. Velardo, A. G. Ranc, D. Dubois, H. Pailhoriès, C. Codde, O. Join-Lambert, E. Gras, S. Corvec, C. Neuwirth, C. Melenotte, M. Dorel, A. S. Lagneaux, M. Pichon, V. Doat, D. Fournier, A. Lemaigen, L. Bouard, P. Patoz, G. Hery-Arnaud, N. Lemaître, C. Couzigou, T. Guillard, E. Recalt, E. Bille, Y. Belaroussi, D. Neu, C. Cazanave, P. Lehours, M. Puges; Campylobacteremia study group  
*Clin. Infect. Dis.* 2022, 75(4), 702-709; doi: 10.1093/cid/ciab983.

### **(P2022-06)** Humoral anti-SARS-CoV-2 immune response after two doses of Comirnaty vaccine in nursing home residents by previous infection status

F. Helle, J. Moyet, B. Demey, C. François, G. Duverlie, S. Castelain, F. Bloch, E. Brochot  
*Vaccine* 2022, 40(3), 531-535; doi: 10.1016/j.vaccine.2021.11.086.

### **(P2022-07)** Pathogens infecting the central nervous system

Y. Le Govic, B. Demey, J. Cassereau, Y. Bahn, N. Papon  
*Plos Pathogens* 2022, 18(2), e1010234; doi: 10.1371/journal.ppat.1010234.

### **(P2022-08)** BK Polyomavirus bkv-miR-B1-5p: a Stable Micro-RNA to Monitor Active Viral Replication after Kidney Transplantation

B. Demey, M. Bentz, V. Descamps, V. Morel, C. Francois, S. Castelain, F. Helle, E. Brochot  
*Int. J. Mol. Sci.* 2022, 23(13), 7240; doi.org/10.3390/ijms23137240.

**(P2022-09)** Pathology Assessments of Multiple Organs in Fatal COVID-19 in Intensive Care Unit vs. Non-intensive Care Unit Patients

Y. Zerbib, N. Guilain, S. Eymieux, R. Uzbekov, S. Castelain, E. Blanchard, C. François, D. Chatelain, C. Brault, J. Maizel, P. Roingeard, M. Slama

*Front. Med.* 2022, 9, 837258; doi: 10.3389/fmed.2022.837258.

**(P2022-10)** Hospital-wide SARS-CoV-2 antibody screening of 4840 staff members in a University Medical Center in France: a cross-sectional study

M. Pierson-Marchandise, S. Castelain, C. Chevalier, E. Brochot, J-L. Schmit, M. Diouf, O. Ganry, M. Gignon

*BMJ Open* 2022, 12(5), e047010.

**(P2022-11)** Kinetics of SARS-CoV-2-Neutralising Antibodies of Residents of Long-Term Care Facilities

J. Moyet, F. Helle, G. Bourdenet, C. Joseph, B. Gubler, G. Deschasse, I. Defouilloy, T. Slovenski, C. François, S. Liabeuf, J-L. Schmit, J-P. Lanoix, S. Castelain, F. Bloch, E. Brochot

*J. Nutr. Health Aging.* 2022, 26(1), 57-63; doi: 10.1007/s12603-021-1713-4.

**(P2022-12)** Beneficial outcomes and epidemiologics of atypical electrophoretic profiles arising after allogeneic hematopoietic stem cell transplantation for myeloid malignancies

K. Hedhli, V. Clichet, A. Charbonnier, S. Castelain, A. Galmiche, J-P. Marolleau, T. Boyer, A. Caulier, C. Sauzay

*Curr. Res. Transl. Med.* 2022, 70(1), 103322.

**(P2022-13)** Impact of pre-graft serology on risk of BKPyV infection post-renal transplantation

F. Dakroub, A. Touzé, F-A. Sater, T. Fiore, V. Morel, C. Tinez, F. Helle, C. François, G. Choukroun, C. Presne, N. Guillaume, G. Duverlie, S. Castelain, H. Akl, E. Brochot

*Nephrol. Dial. Transplant.* 2022, 37(4), 781-788.

**(P2022-14)** Nosocomial outbreak of monoclonal VIM carbapenemase-producing *Enterobacter cloacae* complex in an intensive care unit during the COVID-19 pandemic: an integrated approach

C. Mullié, D. Lemonnier, C.C. Adjidé, J. Maizel, G. Mismacque, A. Cappe, T. Carles, M. Pierson-Marchandise, Y. Zerbib

*J. Hospital Infection*, 2022 (120), 48-56; doi: 10.1016/j.jhin.2021.11.017.

**(P2022-15)** Emerging infectious and vector-borne diseases: a global challenge, Volume II

K.M. Warpeha, S.H. Chen, C. Mullié

*Front. Public Health*, 2022, 10, 942950; doi: 10.3389/fpubh.2022.942950.

**(P2022-16)** Down the drain: a systematic review of molecular biology evidence linking sinks with bacterial healthcare-associated infections in intensive care units

M. Choquet, C. Mullié

*Hygiene*, 2022, 2, 94-108; doi:10.3390/hygiene2020008.

**(P2022-17)** Clinical and Imaging Determinants of Neurocognitive Disorders in Post-Acute COVID-19 Patients with Cognitive Complaints

D. Andriuta, C. Si-Ahmed, M. Roussel, J.M. Constans, M. Makki, A. Aarabi, D. Basille, C. Andréjak, O. Godefroy

*J. Alzheimers Dis.*, 2022, 87(3), 1239-1250; doi: 10.3233/JAD-215506.

**(P2022-18)** Screening for sleep-disordered breathing in people with type 1 diabetes by combining polysomnography with glucose variability assessment

D. Basille, M. Timmerman, A. Basille-Fantinato, A. Al-Salameh, S. Fendri, J.D. Lalau

*Diabetes Res. Clin. Pract.* 2022, 185, 109786; doi: 10.1016/j.diabres.2022.109786.

**(P2022-19)** European Respiratory Society statement on long COVID follow-up

K-M. Antoniou, E. Vasarmidi, A-M. Russell, C. Andréjak, B. Crestani, M. Delcroix, A-T. Dinh-Xuan, V. Poletti, N. Sverzellati, M. Vitacca, M. Witzernath, T. Tonia, A. Spanevello

*Eur. Respir. J.* 2022, 60(2), 2102174; doi: 10.1183/13993003.02174-2021.

**(P2022-20)** Nebulised liposomal amphotericin-B as maintenance therapy in allergic bronchopulmonary aspergillosis: a randomised, multicentre trial

C. Godet, F. Couturaud, S. Marchand-Adam, C. Pison, F. Gagnadoux, E. Blanchard, C. Taillé, B. Philippe, S. Hirschi, C. Andréjak, A. Bourdin, C. Chenivresse, S. Dominique, L. Bassinet, M. Murriss-Espin, F. Rivière, G. Garcia, D. Caillaud, F-X. Blanc, F. Goupil, A. Bergeron, A. Gondouin, J-P. Frat, T. Flament, B. Camara, P. Priou, A-L. Brun, F. Laurent, S. Ragot, J. Cadranel; NebuLamB study group and GREPI network

*Eur. Respir. J.* 2022, 59(6), 2102218; doi: 10.1183/13993003.02218-2021.

**(P2022-21)** No Impact of Corticosteroid Use During the Acute Phase on Persistent Symptoms Post-COVID-19

A. Chan Sui Ko, A. Candellier, M. Mercier, C. Joseph, H. Carette, D. Basille, S. Lion-Daolio, S. Devaux, J-L. Schmit, J-P. Lanoix, C. Andréjak

*Int. J. Gen. Med.* 2022, 15, 6645-6651; doi: 10.2147/IJGM.S367273.

**(P2022-22)** Epidemiology of infection by pulmonary non-tuberculous mycobacteria in French Guiana 2008-2018

M. Chaptal, C. Andréjak, T. Bonifay, E. Beillard, G. Guillot, S. Guyomard-Rabenirina, M. Demar, S. Trombert-Paolantoni, V. Jacomo, E. Mosnier, N. Veziris, F. Djossou, L. Epelboin; French Guiana PNTM working group

*PLoS Negl. Trop. Dis.* 2022, 16(9), e0010693; doi: 10.1371/journal.pntd.0010693.

**(P2022-23)** Number of initial symptoms is more related to long COVID-19 than acute severity of infection : a prospective cohort of hospitalized patients

A. Chan Sui Ko, A. Candellier, M. Mercier, C. Joseph, J-L. Schmit, J-P. Lanoix, C. Andréjak

*Int. J. Infect. Dis.* 2022, 118, 220-223; doi: 10.1016/j.ijid.2022.03.006.

**(P2022-24)** Epidemiological impact of lung cancer screening by low dose CT scan in the French Department of the SOMME

A-A. Addi, O. Leleu, D. Basille, B. Lapôtre-Ledoux, M. Auquier, O. Ganry, P. Berna, V. Jounieaux  
*Respir. Med. Res.* 2022, 81, 100887; doi: 10.1016/j.resmer.2022.100887.

**(P2022-25)** Results of Second Round Lung Cancer Screening by Low-Dose CT scan - French Cohort Study (DEP-KP80)

O. Leleu, D. Basille, M. Auquier, C. Clarot, E. Hoguet, M. Baud, S. Lenel, B. Milleron, P. Berna, V. Jounieaux

*Clin. Lung Cancer.* 2022, 23(1), e54-e59; doi: 10.1016/j.clcc.2021.09.009.

**(P2022-26)** A multiplex serological assay for the characterization of IgG immune response to SARS-CoV-2

E. Brochot, V. Souplet, P. Follet, P. Ponthieu, C. Olivier, G. Even, C. Audebert, R. Malbec  
*PLoS One* 2022, 17(1), e0262311; doi: 10.1371/journal.pone.0262311.

**(P2022-27)** Neutralising antibody responses to SARS-CoV-2 omicron among elderly nursing home residents following a booster dose of BNT162b2 vaccine: A community-based, prospective, longitudinal cohort study

T. Bruel, L. Pinaud, L. Tondeur, D. Planas, I. Staropoli, F. Porrot, F. Guivel-Benhassine, M. Attia, S. Pelleau, T. Woudenberg, C. Duru, A-D. Koffi, S. Castelain, S. Fernandes-Pellerin, N. Jolly, L-P. De Facci, E. Roux, M-N. Ungeheuer, S. Van Der Werf, M. White, O. Schwartz, A. Fontanet  
*EClinicalMedicine* 2022, 51, 101576; doi: 10.1016/j.eclinm.2022.101576.

**(P2022-28)** Parents as coronavirus disease-19 carriers in intrafamily settings : Cases of severe forms in a family cluster

H-K. Tchidjou, G. Ghida, F. Moreau, C. Joseph, B. Romeo  
*Int. J. Health Sci.* 2022, 16(1), 37-39.

**(P2022-29)** Association between the Right Ventricular Longitudinal Shortening Fraction and Mortality in Acute Respiratory Distress Syndrome Related to COVID-19 Infection: A Prospective Study

C. Beyls, C. Daumin, A. Hermida, T. Booz, T. Ghesquieres, M. Crombet, N. Martin, P. Huetten, V. Jounieaux, H. Dupont, O. Abou-Arab, Y. Mahjoub  
*J. Clin. Med.* 2022, 11(9), 2625; doi: 10.3390/jcm11092625.

**(P2022-30)** Mortality of COVID-19 Patients Requiring Extracorporeal Membrane Oxygenation During the Three Epidemic Waves

C. Beyls, P. Huetten, C. Viart, B. Mestan, G. Haye, M. Guilbart, M. Bernasinski, P. Besserve, F. Level, A. Witte Pfister, F. De Dominicis, V. Jounieaux, P. Berna, H. Dupont, O. Abou-Arab, Y. Mahjoub  
*ASAIO J.* 2022, 68(12), 1434-1442; doi: 10.1097/MAT.0000000000001787.

**(P2022-31)** Mortality risk and antibiotic use for COVID-19 in hospitalized patients over 80

A. Rosca, T. Balcaen, J-P. Lanoix, A. Michaud, J. Moyet, I. Marcq, J-L. Schmit, F. Bloch, G. Deschasse  
*Biomed. Pharmacother.* 2022, 146, 112481; doi: 10.1016/j.biopha.2021.112481.

**(P2022-32)** Clinical Features and Outcome of Multidrug-Resistant Osteoarticular Tuberculosis: A 12-Year Case Series from France

I. Bonnet, E. Haddad, L. Guglielmetti, P. Bémer, L. Bernard, A. Bourgoïn, R. Brault, G. Catho, E. Caumes, L. Escaut, E. Fourniols, M. Fréchet-Jachym, A. Gaudart, H. Guillot, B. Lafon-Desmurs, J-P Lanoix, P. Lanotte, A. Lemaïgnen, B. Lemaire, N. Lemaitre, C. Michau, P. Morand, F. Mougari, D. Marigot-Outtandy, S. Patrat-Delon, T. Perpoint, C. Piau, V. Pourcher, V. Zarrouk, V. Zeller, N. Veziris, S. Jauréguiberry, A. Aubry; CRIOAC Pitié-Salpêtrière and the TB Consilium of the National Reference Center for Mycobacteria

*Microorganisms* 2022, 10(6), 1215; doi: 10.3390/microorganisms10061215.

**(P2022-33)** Plasma Markers of Neutrophil Extracellular Trap Are Linked to Survival but Not to Pulmonary Embolism in COVID-19-Related ARDS Patients

R. Prével, A. Dupont, S. Labrousche-Colomer, G. Garcia, A. Dewitte, A. Rauch, J. Goutay, M. Caplan, E. Jozefowicz, J-P. Lanoix, J. Poissy, E. Rivière, A. Orioux, D. Malvy, D. Gruson, L. Garçon, S. Susen, C. James

*Front. Immunol.* 2022, 13, 851497; doi: 10.3389/fimmu.2022.851497.

**(P2022-34)** Schistosome dipeptide of love

Y. Le Govic, J. Boissier, N. Papon

*Trends Parasitol.* 2022, 38(7), 493-495; doi: 10.1016/j.pt.2022.05.001.

**(P2022-35)** Selecting a multiplex PCR panel for accurate molecular diagnosis of intestinal protists: a comparative study of Allplex® (Seegene®), G-DiaParaTrio (Diagenode®), and RIDA®GENE (R-Biopharm®) assays and microscopic examination

N. Argy, C. Nourrisson, A. Aboubacar, P. Poirier, S. Valot, A. Laude, G. Desoubeaux, C. Pomares, M. Machouart, Y. Le Govic, F. Dalle, F. Botterel, N. Bourgeois, E. Cateau, M. Leterrier, P. Le Pape, F. Morio, S. Houze

*Parasite* 2022, 29, Article 5; doi: 10.1051/parasite/2022003.

**(P2022-36)** Molecular detection of isoniazid monoresistance improves tuberculosis treatment: A retrospective cohort in France

M. Bachir, L. Guglielmetti, S. Tunesi, T. Billard-Pomares, S. Chiesi, J. Jaffré, H. Langris, V. Pourcher, F. Schramm, N. Lemaitre, J. Robert; Isoniazid Resistance Group

*J. Infect.* 2022, 85(1),24-30; doi: 10.1016/j.jinf.2022.05.017.

**(P2022-37)** *Bacillus cereus* contamination of pasteurized human milk donations : frequency, origin, seasonal distribution, molecular typing of strains and proposed corrective/preventive actions

C-C. Adjidé, A. Léké, C. Mullié

*J. Matern. Fetal Neonatal. Med.* 2022, 35(8), 1554-1561; doi: 10.1080/14767058.2020.1763295.

**(P2022-38)** The potential of antifungal peptide sesquin as natural food preservative

F. Ramos-Martín, C. Herrera-León, V. Antonietti, P. Sonnet, C. Sarazin, N. D'Amelio

*Biochimie* 2022, 203, 51-64; doi: 10.1016/j.biochi.2022.03.015.

- (P2022-39)** The influence of short motifs on the anticancer activity of HB43 peptide  
C. Herrera-León, F. Ramos-Martín, H. El Btaouri, V. Antonietti, P. Sonnet, L. Martiny, F. Zevolini, C. Falciani, C. Sarazin, N. D'Amelio  
*Pharmaceutics* 2022, 14(5), 1089; doi: 10.3390/pharmaceutics14051089.
- (P2022-40)** The pharmacological and structural basis of the AahII-NaV1.5 interaction and modulation by the anti-AahII Nb10 nanobody  
R. Hmaidi, A. Ksouri, R. Benabderrazek, V. Antonietti, P. Sonnet, M. Gautier, B. Bouhaouala-Zahar, H. Ouadid-Ahidouch  
*Front. Pharmacol.* 2022, 13, 821181; doi: 10.3389/fphar.2022.821181.
- (P2022-41)** Design, synthesis, and antiprotozoal evaluation of new promising 2,9-bis[(substituted-aminomethyl)]-4,7-phenyl-1,10-phenanthroline derivatives, a potential alternative scaffold to drug efflux  
J. Guillon, A. Cohen, C. Boudot, S. Monic, S. Savrimoutou, S. Moreau, S. Albenque-Rubio, C. Lafon-Schmaltz, A. Dassonville-Klimpt, J.-L. Mergny, L. Ronga, M. Bernabeu de Maria, J. Lamarche, C. Dal Lago, E. Largy, V. Gabelica, S. Moukha, P. Dozolme, P. Agnamey, N. Azas, C. Mullié, B. Courtioux, P. Sonnet  
*Pathogens* 2022, 11(11), 1339; doi: 10.3390/pathogens11111339.
- (P2022-42)** Amikacin Liposomal Inhalation Suspension in the Treatment of *Mycobacterium abscessus* Lung Infection: A French Observational Experience  
R. Chiron, W. Hoefsloot, J. Van Ingen, H. Marchandin, L. Kremer, H. Morisse-Pradier, J. Charriot, J.-P. Mallet, J.-L. Herrmann, D. Caimmi, J. Moreau, Y. Dumont, S. Godreuil, A. Bergeron, M. Drevait, E. Bouzat-Rossignaux, N. Terrail, C. Andréjak, N. Veziris, D. Grenet, A. Coudrat, E. Catherinot  
*Open Forum Infect. Dis.* 2022, 9(10), ofac465; doi: 10.1093/ofid/ofac465.
- (P2022-43)** Thyrotropin Levels in Patients with Coronavirus Disease 2019: Assessment during Hospitalization and in the Medium Term after Discharge  
A. Al-Salameh, N. Scherman, I. Adda, J. André, Y. Zerbib, J. Maizel, J.-D. Lalau, E. Brochot, C. Andréjak, R. Desaillood  
*Life* 2022, 12(12), 2014; doi: 10.3390/life12122014.
- (P2022-44)** Ruxolitinib-induced reactivation of cytomegalovirus and Epstein-Barr virus in graft-versus-host disease  
D. Lebon, A. Dujardin, A. Caulier, M. Joris, A. Charbonnier, B. Gruson, M. Quint, S. Castelain, C. François, M.-N. Lacassagne, N. Guillaume, J.-P. Marolleau, P. Morel  
*Leuk Res.* 2022, 125, 107005; doi: 10.1016/j.leukres.2022.107005.
- (P2022-45)** Evaluation of the Bio-Evolution *Microsporidia* generic and typing real-time PCR assays for the diagnosis of intestinal microsporidiosis  
M. Moniot, C. Nourrisson, V. Bonnin, C. Damiani, N. Argy, J. Bonhomme, E. Fréalle, C. Angebault, A. Debourogne, E. Sitterlé, P. Flori, J. Brunet, F. Dalle, L. Favennec, P. Poirier ; French Microsporidiosis Network (members: A. Totet, Y. Le Govic)  
*Parasite* 2022, 29, Article 55; doi: 10.1051/parasite/2022055.

**(P2022-46)** Feasibility, Prediction and Association of Right Ventricular Free Wall Longitudinal Strain with 30-Day Mortality in Severe COVID-19 Pneumonia: A Prospective Study

C. Beyls, T. Ghesquière, A. Hermida, T. Booz, M. Crombet, N. Martin, P. Huet, V. Jounieaux, H. Dupont, O. Abou-Arab, Y. Mahjoub

*J. Clin. Med.* 2022, 11(13), 3629; doi: 10.3390/jcm11133629.

**(P2022-47)** Cytomegalovirus-Associated Gianotti-Crosti Syndrome in 28-Year-Old Immunocompetent Patient

F. Dupont, A. Aubry, J.-P. Lanoix, B. Demey

*Pathogens* 2022, 11(11), 1338; doi: 10.3390/pathogens11111338.

**(P2022-48)** Design of a protein with improved thermal stability by an evolution-based generative model

P. Tian, A. Lemaire, F. Sénéchal, O. Habrylo, V. Antonietti, P. Sonnet, V. Lefebvre, F. Isa Marin, R-B. Best, J. Pelloux, D. Mercadante

*Angew. Chem. Int. Ed. Engl.* 2022, 61(50), e202202711; doi: 10.1002/anie.202202711.

**(P2022-49)** Association Between Increased linezolid plasma concentrations are associated with the development of severe toxicity in MDR-TB treatment

J. Eimer, M. Fréchet-Jachym, D. Le Dû, E. Caumes, N. El-Helali, D. Marigot-Outtandy, F. Mechai, G. Peytavin, V. Pourcher, C. Rioux, Y. Yazdanpanah, J. Robert, L. Guglielmetti, A. Aubry, I. Bonnet, F. Morel, N. Veziris, E. Lecorché, F. Mougari, C. Andréjak, A. Bourgarit, E. Klement, B. Rivoire, G. Thouvenin, S. Tunesi, M. Wicky, M. Jaspard, C. Alauzet, L. Escaut, S. Ellis-Corbet, C. Bernard, A-L. Roux  
*Clin. Infect. Dis.* 2022, 76(3), e974-e956; doi.org/10.1093/cid/ciac485.

**(P2022-50)** S10.5c Insight into the role of secondary metabolism in the pathogenesis of *Scedosporium apiospermum*

N. Papon, Y. Le Govic, V. Havlíček, J. Capilla, D. Luptáková, D. Dumas, S. Le Gal, G. Nevez, P. Vandeputte, J.-P. Bouchara

*Med. Mycol.* 2022, 60(S1), myac072S105c; doi.org/10.1093/mmy/myac072.S10.5c.

**(P2022-51)** Synthesis Siderophore of the Na-Methylcoprogen Hydroxamate B. Fungal Respiratory Infections in Cystic Fibrosis

Y. Le Govic, V. havlicek, J. Capilla, D. Luptakova, D. Dumas, N. Papon, S. Le Gal, J.-P. Bouchara, V. Vandeputte

*Front. Cell. Infect. Microbiol.* 2022. 10, 587909; doi : 10.3389/fcimb.2020.587909.

**(P2022-52)** Chemical composition, *in vitro* antioxidant and anti-inflammatory activities of *Juniperus oxycedrus subsp. oxycedrus* extracts from Algeria

S. Djellouli, K. Side Larbi, B. Meddah, A. Rebiai, A. Tir Touil, P. Sonnet

*Eur. J. Biol. Res.* 2022, 12(3), 271-281; doi.org/10.5281/zenodo.7135281.

**(P2022-53)** Phenolic extracts of *Zizyphus lotus L.* (Rhamnaceae) and *Ruta chalepensis L.* (Rutaceae) as alternatives to antibiotics and their antimicrobial effects on clinical multidrug-resistant pathogens

N-E-H. Bekkar, B. Meddah, Y-S. Cakmak, B. Keskin, P. Sonnet

*Eur. J. Biol.* 2022, 81(2), 163-183; doi: 10.26650/EurJBiol.2022.1129558.

**(P2022-54)** Chemical composition and antioxidant and antimicrobial activities of *Curcuma longa L.* essential oils

K. Moussa, B. Meddah, A. Tir Touil, P. Sonnet

*Egyptian J. Chem.* 2022; doi: 10.21608/ejchem.2022.121586.5555.

**(P2022-55)** Consensus management recommendations for less common non-tuberculous mycobacterial pulmonary diseases

C. Lange, E-C. Böttger, E. Cambau, D-E. Griffith, L. Guglielmetti, J. van Ingen, S-L. Knight, T-K. Marras, K-N. Olivier, M. Santin, J.-E. Stout, E. Tortoli, D. Wagner, K. Winthrop, C-L. Daley; expert panel group for management recommendations in non-tuberculous mycobacterial pulmonary diseases : C. Lange, C. Andréjak, E. Böttger, E. Cambau, D. Griffith, L. Guglielmetti, J. van Ingen, S. Knight, P. Leitman, T-K. Marras, K-N. Olivier, M. Santin, J.-E. Stout, E. Tortoli, D. Wagner, R-J. Wallace Jr, K. Winthrop, C. Daley

*Lancet Infect. Dis.* 2022, 22(7), e178-e190; doi: 10.1016/S1473-3099(21)00586-7.

**(P2022-56)** Medical versus surgical treatment in native hip and knee septic arthritis (reply)

C. Mabilie, Y. El Samad, C. Joseph, B. Brunschweiler, V. Goeb, F. Grados, J.-P. Lanoix

*Infect. Dis Now.* 2022, 52, 121; doi.org/10.1016/j.idnow.2022.01.003.

**(P2022-57)** Remdesivir plus standard of care versus standard of care alone for the treatment of patients admitted to hospital with COVID-19 (DisCoVeRy): a phase 3, randomised, controlled, open-label trial

Ader F, Bouscambert-Duchamp M, Hites M, Peiffer-Smadja N, Poissy J, Belhadi D, Diallo A, Lê MP, Peytavin G, Staub T, Greil R, Guedj J, Paiva JA, Costagliola D, Yazdanpanah Y, Burdet C, Mentré F; DisCoVeRy Study Group (members: C. Andréjak, J.-P. Lanoix)

*Lancet Infect. Dis* 2022, 22(2), 209-221; doi: 10.1016/S1473-3099(21)00485-0.

**(P2022-58)** ISARIC-COVID-19 dataset: A Prospective, Standardized, Global Dataset of Patients Hospitalized with COVID-19

ISARIC Clinical Characterization Group (members: C. Andréjak, C. Joseph), E. Garcia-Gallo, L. Merson, K. Kennon, S. Kelly, B-W. Citarella, D-V. Fryer, S. Shrapnel, J. Lee, S. Duque, Y-V. Fuentes, V. Balan, S. Smith, J. Wei, B-P. Gonçalves, C-D. Russell, L. Sigfrid, A. Dagens, P-L. Olliaro, J. Baruch, C. Kartsonaki, J. Dunning, A. Rojek, A. Rashan, A. Beane, S. Murthy, L-F. Reyes

*Sci. Data* 2022, 9(1), 454; doi: 10.1038/s41597-022-01534-9.

**(P2022-59)** Final results of the DisCoVeRy trial of remdesivir for patients admitted to hospital with COVID-19

F. Ader, M. Bouscambert-Duchamp, M. Hites, N. Peiffer-Smadja, F. Mentré, C. Burdet; DisCoVeRy Study Group (members: C. Andréjak, J.-P. Lanoix)

*Lancet Infect. Dis.* 2022, 22(6), 764-765; doi: 10.1016/S1473-3099(22)00295-X.

**(P2022-60)** Potent human broadly SARS-CoV-2-neutralizing IgA and IgG antibodies effective against Omicron BA.1 and BA.2

C. Planchais, I. Fernández, T. Bruel, G-D. de Melo, M. Prot, M. Beretta, P. Guardado-Calvo, J. Dufloo, L-M. Molinos-Albert, M. Backovic, J. Chiaravalli, E. Giraud, B. Vesin, L. Conquet, L. Grzelak, D. Planas, I. Staropoli, F. Guivel-Benhassine, T. Hieu, M. Boullé, M. Cervantes-Gonzalez, M-N. Ungeheuer, P. Charneau, S. van der Werf, F. Agou; French COVID Cohort Study Group (member: C. Andréjak); CORSER Study Group, J.-D. Dimitrov, E. Simon-Lorière, H. Bourhy, X. Montagutelli, F-A. Rey, O. Schwartz, H. Mouquet

*J. Exp. Med.* 2022, 219(7), e20220638; doi: 10.1084/jem.20220638.

**(P2022-61)** Revised Definitions of Tuberculosis Resistance and Treatment Outcomes, France, 2006-2019

Y. Kherabi, M. Fréchet-Jachym, C. Rioux, Y. Yazdanpanah, F. Méchai, V. Pourcher, J. Robert, L. Guglielmetti; MDR-TB Management Group (member: C. Andréjak)

*Emerg. Infect. Dis.* 2022, 28(9), 1796-1804; doi: 10.3201/eid2809.220458.

**(P2022-62)** Differences in HADS and SF-36 scores 1 year after critical illness in COVID-19 patients

R-T. Tallarico, B. Deniau, N. Fong, J. Ghosn, M. Legrand ; French-COVID and the FROG-ICU Investigators (member: C. Andréjak)

*Intensive Care Med.* 2022, 48(9), 1245-1247; doi: 10.1007/s00134-022-06797-9.

**(P2022-63)** Oropharyngeal and intestinal concentrations of opportunistic pathogens are independently associated with death of SARS-CoV-2 critically ill adults

J. Patrier, K. Villageois-Tran, P. Szychowiak, S. Ruckly, R. Gschwind, P-H. Wicky, S. Gueye, L. Armand-Lefevre, M. Marzouk, R. Sonnevill, L. Bouadma, M. Petitjean, F. Lamara, E. de Montmollin, J.-F. Timsit, E. Ruppé; French COVID Cohort Study Group (member: C. Andréjak)

*Crit. Care.* 2022, 26(1), 300; doi: 10.1186/s13054-022-04164-0.

**(P2022-64)** Respiratory support in patients with severe COVID-19 in the International Severe Acute Respiratory and Emerging Infection (ISARIC) COVID-19 study: a prospective, multinational, observational study

L-F. Reyes, S. Murthy, E. Garcia-Gallo, L. Merson, E-D. Ibáñez-Prada, J. Rello, Y-V. Fuentes, I. Martin-Loeches, F. Bozza, S. Duque, F-S. Taccone, R-A. Fowler, C. Kartsonaki, B-P. Gonçalves, B-W. Citarella, D. Aryal, E. Burhan, M-J. Cummings, C. Delmas, R. Diaz, C. Figueiredo-Mello, M. Hashmi, P-K. Panda, M-P. Jiménez, D-F-B. Rincon, D. Thomson, A. Nichol, J.-C. Marshall, P-L. Olliaro; ISARIC Characterization Group (members: C. Andréjak, C. Joseph)

*Crit. Care.* 2022, 26(1), 276; doi: 10.1186/s13054-022-04155-1. PMID: 36100904.

**(P2022-65)** Prone Positioning in Patients With COVID-19: Analysis of Multicenter Registry Data and Meta-analysis of Aggregate Data

A. Kollias, K-G. Kyriakoulis, V. Rapti, I-P. Trontzas, T. Nitsotolis, K. Syrigos, G. Poulakou; PROPCOR CONSORTIUM-7 INVESTIGATORS (member: D. Basille)

*In Vivo* 2022, 36(1), 361-370; doi: 10.21873/invivo.12711.

**(P2022-66)** Increased risk of severe COVID-19 in hospitalized patients with SARS-CoV-2 Alpha variant infection : a multicentre matched cohort study

G. Martin-Blondel, F-X. Lescure, L. Assoumou, C. Charpentier, J.-M. Chapplain, T. Perpoint, G. Grouteau, H. Cordel, G. Pialoux, J. Pacanowski, M. Thy, A. Bauvois, D. Laureillard, F. Hamrouni, M. Algarte-Genin, J. Poissy, D. Descamps, D. Costagliola ; CoCliCo Study Group (member: D. Basille)  
*BMC Infect. Dis.* 2022, 22(1), 540; doi: 10.1186/s12879-022-07508-x.

**(P2022-67)** Active Surveillance Program to Increase Awareness on Invasive Fungal Diseases: the French RESSIF Network (2012 to 2018)

S. Bretagne, K. Sitbon, M. Desnos-Ollivier, D. Garcia-Hermoso, V. Letscher-Bru, S. Cassaing, L. Millon, F. Morio, J.-P. Gangneux, L. Haseine, L. Favennec, E. Cateau, E. Bailly, M. Moniot, J. Bonhomme, N. Desbois-Nogard, T. Chouaki, A. Paugam, B. Bouteille, M. Pihet, F. Dalle, O. Eloy, M. Sasso, M. Demar, P. Mariani-Kurkdjian, V. Robert, O. Lortholary, F. Dromer; French Mycoses Study Group (member: C. Damiani, Y. Le Govic, A. Totet)  
*mBio.* 2022, 13(3), e0092022; doi: 10.1128/mbio.00920-22.

**(P2022-68)** Relationship between serotypes, disease characteristics and 30-day mortality in adults with invasive pneumococcal disease

A. Benadji, X. Duval, K. Danis, B. Hoen, B. Page, G. Béraud, V. Vernet-Garnier, C. Strady, N. Brieu, L. Maulin, C. Roy, M-C. Ploy, J. Gaillat, E. Varon, S. Tubiana; COMBAT Study Group; SIIP Study Group (member: C. Joseph)  
*Infection* 2022, 50(1), 223-233; doi: 10.1007/s15010-021-01688-5.

**(P2022-69)** One-Year Sequelae and Quality of Life in Adults with Meningococcal Meningitis: Lessons from the COMBAT Multicentre Prospective Study

X. Duval, M-K. Taha, I. Lamaury, L. Escaut, I. Gueit, P. Manchon, S. Tubiana, B. Hoen; COMBAT study group (member: C. Joseph)  
*Adv. Ther.* 2022, 39(6), 3031-3041; doi: 10.1007/s12325-022-02149-7.

**(P2022-70)** Evaluation of two commercial kits and two laboratory-developed qPCR assays compared to LAMP for molecular diagnosis of malaria

A. Bouzayene, R. Zaffaroullah, J. Bailly, L. Ciceron, V. Sarrasin, S. Cojean, N. Argy, S. Houzé, V. Joste; French National Malaria Reference Centre study group (member: Y. Le Govic)  
*Malar. J.* 2022, 21(1), 204; doi: 10.1186/s12936-022-04219-1.

**(P2022-71)** A highly virulent variant of HIV-1 circulating in the Netherlands

C. Wymant, D. Bezemer, F. Blanquart, L. Ferretti, A. Gall, M. Hall, T. Golubchik, M. Bakker, S-H. Ong, L. Zhao, D. Bonsall, M. de Cesare, G. MacIntyre-Cockett, L. Abeler-Dörner, J. Albert, N. Bannert, J. Fellay, M-K. Grabowski, B. Gunsenheimer-Bartmeyer, H-F. Günthard, P. Kivelä, R-D. Kouyos, O. Laeyendecker, L. Meyer, K. Porter, M. Ristola, A. van Sighem, B. Berkhout, P. Kellam, M. Cornelissen, P. Reiss, C. Fraser; Netherlands ATHENA HIV Observational Cohort; BEEHIVE Collaboration (member: J.-L. Schmit)  
*Science* 2022, 375(6580), 540-545; doi: 10.1126/science.abk1688.

**(P2022-72)** One-Year Sequelae and Quality of Life in Adults with Meningococcal Meningitis: Lessons from the COMBAT Multicentre Prospective Study

X. Duval, M-K. Taha, I. Lamaury, L. Escaut, I. Gueit, P. Manchon, S. Tubiana, B. Hoen; COMBAT study group (member: J.-L. Schmit)

*Adv. Ther.* 2022, 39(6), 3031-3041. doi: 10.1007/s12325-022-02149-7.

**(P2022-73)** Paediatric COVID-19 mortality: a database analysis of the impact of health resource disparity

E-M. Marwali, A. Kekalih, S. Yulianto, D-K. Wati, M. Rayhan, I-C. Valerie, H-J. Cho, W. Jassat, L. Blumberg, M. Masha, C. Semple, O-V. Swann, M. Kohns Vasconcelos, J. Popielska, S. Murthy, R-A. Fowler, A-M. Guerguerian, A. Streinu-Cercel, M-D. Pathmanathan, A. Rojek, C. Kartsonaki, B-P. Gonçalves, B-W. Citarella, L. Merson, P-L. Olliaro, H-J. Dalton ; International Severe Acute Respiratory and emerging Infection Consortium (ISARIC) Clinical Characterization Group Investigators. (members: C. Andréjak, C. Joseph)

*BMJ Paediatr. Open* 2022, 6(1), e001657; doi: 10.1136/bmjpo-2022-001657.

**(P2022-74)** The association between macrovascular complications and intensive care admission, invasive mechanical ventilation, and mortality in people with diabetes hospitalized for coronavirus disease-2019 (COVID-19)

G. Llauradó, B. Vlachó, M. Wargny, Y. Ruan, J. Franch-Nadal, P. Domingo, P. Gourdy, P-J. Saulnier, S. Hadjadj, S-H. Wild, R. Rea, B. Cariou, K. Khunti, D. Mauricio; CORONADO, the ABCD COVID-19 diabetes national audit, HM Hospitales investigators and the Hospital del Mar - Hospital de la Santa Creu i Sant Pau Diabetes Research Group (member: J.-P. Lanoix)

*Cardiovasc. Diabetol.* 2022, 21(1), 216; doi: 10.1186/s12933-022-01657-8.

**(P2022-75)** Clinical characteristics, risk factors and outcomes in patients with severe COVID-19 registered in the International Severe Acute Respiratory and Emerging Infection Consortium WHO clinical characterisation protocol: a prospective, multinational, multicentre, observational study

L. Felipe Reyes, S. Murthy, E. Garcia-Gallo, M. Irvine, L. Merson, I. Martin-Loeches, J. Rello, F. Taccone, R. Fowler, A. Docherty, C. Kartsonaki, I. Aragao, P. Barrett, A. Beane, A. Burrell, M. Pellan Cheng, M. Christian, J. Pedro Cidade, B. Wanjiru Citarella, C. Donnelly, S. Fernandes, C. French, R. Haniffa, E. Harrison, A. Ying Wai Ho, M. Joseph, I. Khan, M. Kho, A. Kildal, D. Kutsogiannis, F. Lamontagne, T. Lee, G. Li Bassi, J. Wagner Lopez Revilla, C. Marquis, J. Millar, R. Neto, A. Nichol, R. Parke, R. Pereira, S. Poli, P. Pova, K. Ramanathan, O. Rewa, J. Riera, S. Shrapnel, M. Joao Silva, A. Udy, T. Uyeki, S. Webb, E-J. Wils, A. Rojek, P. Olliaro; ISARIC Clinical Characterisation Group on behalf of the ISARIC Clinical Characterisation Group (member: C. Andréjak)

*ERJ Open Res.* 2022, 8, 00552-2021; doi: 10.1183/23120541.00552-2021.



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**(P2022-76)** Invasive pneumococcal infections in France: Changes from 2009 to 2021 in antibiotic resistance and serotype distribution of *Streptococcus pneumoniae* based on data from the French Regional Pneumococcal Observatories network

C. Plainvert, E. Varon, D. Viriot, M. Kempf; French Regional Pneumococcal Observatories (ORP) network (member: N. Lemaître)

*Infect. Dis Now* 2022, 53(1), 104632; doi: 10.1016/j.idnow.2022.11.001.