

PUBLICATIONS BIOSCAR 2012-2016

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➤ ARTICLES SCIENTIFIQUES

Ah Kioon MD, Asensio C, Ea HK, Uzan B, Cohen-Solal M, Lioté F. Adrenomedullin increases fibroblast-like synoviocyte adhesion to extracellular matrix proteins by upregulating integrin activation. *Arthritis Res Ther.* 2010;12(5):R190.

Ah Kioon MD, Asensio C, Ea HK, Velard F, Uzan B, Rullé S, Bazille C, Marty C, Falgarone G, Nguyen C, Collet C, Launay JM, Cohen-Solal M, Lioté F. Adrenomedullin(22-52) combats inflammation and prevents systemic bone loss in murine collagen-induced arthritis. *Arthritis Rheum.* 2012 Apr;64(4):1069-81. doi: 10.1002/art.33426. Epub 2011 Oct 17.

Bataille C, Mauprivez C, Haÿ E, Baroukh B, Brun A, Chaussain C, Marie PJ, Saffar JL, Cherruau M. Different sympathetic pathways control the metabolism of distinct bone envelopes. *Bone.* 2012 May;50(5):1162-72. doi: 10.1016/j.bone.2012.01.023. Epub 2012 Feb 2.

Beaudreuil J, Allard A, Zerkak D, Gerber RA, Cappelleri JC, Quintero N, Lasbleiz S, Bernabé B, Orcel P, Bardin T. Reply to Knobloch et al. *Arthritis Care Res (Hoboken)* 2012;64:794.

Beaudreuil J, Dieude P, Poiraudou S, Revel M. Disabling chronic low back pain with Modic type 1 MRI signal: Acute reduction in pain with intradiscal corticotherapy. *Ann Phys Rehabil Med* 2012;55:139-47.

Beaudreuil J, Lellouche H, Orcel P, Bardin T. Need for a standard procedure for needle aponeurotomy, consensus definition of recurrence, and functional assessment in Dupuytren disease. *Plast Reconstr Surg.* 2012 Jul;130(1):200e-201e; author reply 201e-202e

Beaudreuil J, Lellouche H, Orcel P, Bardin T. Needle aponeurotomy in Dupuytren's disease. *Joint Bone Spine.* 2012 Jan;79(1):13-6.

Beaudreuil J, Lermusiaux JL, Teyssedou JP. Multi-needle aponeurotomy for advanced Dupuytren's disease: a 16-month followup study (MNA 2 Study). *J Hand Sur Eur Vol* 2012; 37:795-6.

Borhis G, Viau M, Badr G, Richard Y, Zouali M. Corruption of human follicular B-lymphocyte trafficking by a B-cell superantigen. *Mol Med*. 2012 May 9;18:636-46. doi: 10.2119/molmed.2011.00321.

Brun J, Fromigué O, Dieudonné FX, Marty C, Chen J, Dahan J, Wei Y, Marie PJ. The LIM-only protein FHL2 controls mesenchymal cell osteogenic differentiation and bone formation through Wnt5a and Wnt10b. *Bone*. 2013 Mar;53(1):6-12. doi: 10.1016/j.bone.2012.11.020. Epub 2012 Nov 29.

Chabbi-Achengli Y, Coudert AE, Callebert J, Geoffroy V, Côté F, Collet C, de Vernejoul MC. Decreased osteoclastogenesis in serotonin-deficient mice. *Proc Natl Acad Sci U S A*. 2012 Feb 14;109(7):2567-72. doi: 10.1073/pnas.1117792109. Epub 2012 Jan 30.

Coll G, Arnaud E, Selek L, Brunelle F, Sainte-Rose C, Collet C, Di Rocco F. The growth of the foramen magnum in Crouzon syndrome. *Childs Nerv Syst*. 2012; 28(9):1525-35.

Deroide N, Bousson V, Daguët E, Dumurgier J, Tin SN, Hannouche D, Richette P, Beaudreuil J, Lioté F, Lévy B, Vicaut E, Laredo JD, Kubis N. Muscle magnetic resonance imaging sensitivity does not decrease in chronic, mild, or proximal lower limb neuropathies. *Muscle Nerve*. 2012 May;45(5):659-67. doi: 10.1002/mus.23239

Dieudonné FX, Marion A, Marie PJ, Modrowski D. Targeted inhibition of T-cell factor activity promotes syndecan-2 expression and sensitization to doxorubicin in osteosarcoma cells and bone tumors in mice. *J Bone Miner Res*. 2012 Oct;27(10):2118-29. doi: 10.1002/jbmr.1650.

Fromigué O, Brun J, Marty C, Da Nascimento S, Sonnet P, Marie PJ. Peptide-based activation of alpha5 integrin for promoting osteogenesis. *J Cell Biochem*. 2012 Sep;113(9):3029-38. doi: 10.1002/jcb.24181.

Funck-Brentano T, Lin H, Hay E, Ah Kioon MD, Schiltz C, Hannouche D, Nizard R, Lioté F, Orcel P, de Vernejoul MC, Cohen-Solal ME. Targeting bone alleviates osteoarthritis in osteopenic mice and modulates cartilage catabolism. *PLoS One*. 2012;7(3):e33543. doi: 10.1371/journal.pone.0033543. Epub 2012 Mar 14.

Gaffo AL, Schumacher HR, Saag KG, Taylor WJ, Dinnella J, Outman R, Chen L, Dalbeth N, Sivera F, Vázquez-Mellado J, Chou CT, Zeng X, Perez-Ruiz F, Kowalski SC, Goldenstein-Schainberg C, Chen L, Bardin T, Singh JA. Developing a provisional definition of flare in patients with established gout. *Arthritis Rheum*. 2012 May;64(5):1508-17.

Gottenberg JE, Ravaud P, Cantagrel A, Combe B, Flipo RM, Schaeffer T, Houvenagel E, Gaudin P, Loeuille D, Rist S, Dougados M, Sibilia J, Le Loët X, Marcelli C, Bardin T, Pane I, Baron G, Mariette X. Positivity for anti-cyclic citrullinated peptide is associated with a better

response to abatacept: data from the 'Orencia and Rheumatoid Arthritis' registry. *Ann Rheum Dis.* 2012 Nov;71(11):1815-9.

Haÿ E, Buczkowski T, Marty C, Da Nascimento S, Sonnet P, Marie PJ. Peptide-based mediated disruption of N-cadherin-LRP5/6 interaction promotes Wnt signaling and bone formation. *J Bone Miner Res.* 2012 Sep;27(9):1852-63. doi: 10.1002/jbmr.1656.

Jullien N, Maudinet A, Leloutre B, Ringe J, Häupl T, Marie PJ. Downregulation of ErbB3 by Wnt3a contributes to wnt-induced osteoblast differentiation in mesenchymal cells. *J Cell Biochem.* 2012 Jun;113(6):2047-56. doi: 10.1002/jcb.24076.

Khanna PP, Nuki G, Bardin T, Tausche AK, Forsythe A, Goren A, Vietri J, Khanna D. Tophi and frequent gout flares are associated with impairments to quality of life, productivity, and increased healthcare resource use: Results from a cross-sectional survey. *Health Qual Life Outcomes.* 2012 Sep 22;10:117..

Khonsari RH, Delezoide AL, Kang W, Hébert JM, Bessières B, Bodiguel V, Collet C, Legeai-Mallet L, Sharpe PT, Fallet-Bianco C Central nervous system malformations and deformations in FGFR2-related craniosynostosis. *Am J Med Genet A.* 2012 ; 158A(11):2797-806.

Launay JM, Hervé P, Callebert J, Mallat Z, Collet C, Doly S, Belmer A, Diaz SL, Hatia S, Côté F, Humbert M, Maroteaux L. Serotonin 5-HT2B receptors are required for bone-marrow contribution to pulmonary arterial hypertension. *Blood.* 2012 ; 119 : 1772-80.

Le Henaff C, Gimenez A, Haÿ E, Marty C, Marie P, Jacquot J. The F508del mutation in cystic fibrosis transmembrane conductance regulator gene impacts bone formation. *Am J Pathol.* 2012 May;180(5):2068-75. doi: 10.1016/j.ajpath.2012.01.039. Epub 2012 Mar 23.

Lin H, Ah Kioon MD, Lalou C, Larghero J, Launay JM, Khatib AM, Cohen-Solal M. Protective role of systemic furin in immune response-induced arthritis. *Arthritis Rheum.* 2012 Sep;64(9):2878-86. doi: 10.1002/art.34523.

Lioté F, Lancrenon S, Lanz S, Guggenbuhl P, Lambert C, Saraux A, Chiarelli P, Delva C, Aubert JP, Ea HK. GOSPEL: prospective survey of gout in France. Part I: design and patient characteristics (n = 1003). *Joint Bone Spine.* 2012 Oct;79(5):464-70. doi: 10.1016/j.jbspin.2011.12.006. Epub 2012 Jan 26.

Loupy A, Ramakrishnan SK, Wootla B, Chambrey R, de la Faille R, Bourgeois S, Bruneval P, Mandet C, Christensen EI, Faure H, Cheval L, Laghmani K, Collet C, Eladari D, Dodd RH, Ruat M, Houillier P. PTH-independent regulation of blood calcium concentration by the calcium-sensing receptor. *J Clin Invest.* 2012; 122(9):3355-67

Maravic M, Ostertag A, Cohen-Solal M. Subtrochanteric/femoral shaft versus hip fractures: incidences and identification of risk factors. *J Bone Miner Res.* 2012 Jan;27(1):130-7. doi: 10.1002/jbmr.517.

Marion A, Dieudonné FX, Patiño-Garcia A, Lecanda F, Marie PJ, Modrowski D. Calpain-6 is an endothelin-1 signaling dependent protective factor in chemoresistant osteosarcoma. *Int J Cancer.* 2012 Jun 1;130(11):2514-25. doi: 10.1002/ijc.26246. Epub 2011 Aug 16.

Marty-Poumarat C, Ostertag A, Baudoin C, Marpeau M, de Vernejoul MC, Cohen-Solal M. Does hormone replacement therapy prevent lateral rotatory spondylolisthesis in postmenopausal women? *Eur Spine J.* 2012 Jun;21(6):1127-34. doi: 10.1007/s00586-011-2048-3. Epub 2011 Oct 28.

Mebazaa A, Vanpoucke G, Thomas G, Verleysen K, Cohen-Solal A, Vanderheyden M, Bartunek J, Mueller C, Launay JM, Van Landuyt N, D'hondt F, Verschuere E, Vanhaute C, Tuytten R, Vanneste L, De Cremer K, Wuyts J, Davies H, Moerman P, Logeart D, Collet C, Lortat-Jacob B, Tavares M, Laroy W, Januzzi JL, Samuel JL, Kas K. Unbiased plasma proteomics for novel diagnostic biomarkers in cardiovascular disease: identification of quiescin Q6 as a candidate biomarker of acutely decompensated heart failure. *Eur Heart J.* 2012; 33(18):2317-24.

Michou L, Collet C, Morissette J, Audran M, Thomas T, Gagnon E, Launay JM, Laplanche JL, Brown JP, Orcel P. Epidemiogenetic study of French families with Paget's disease of bone. *Joint Bone Spine.* 2012 ; 79(4):393-8.

Michou L, Cornélis F, Levesque JM, Bombardieri S, Balsa A, Westhovens R, Barrera P, Alves H, van de Putte L, Migliorini P, Bardin T, Petit-Teixeira E, Fernandes MJ. A genetic association study of the CLEC12A gene in rheumatoid arthritis. *Joint Bone Spine.* 2012 Oct;79(5):451-6.

Michou L, Lermusiaux JL, Teyssedou JP, Bardin T, Beaudreuil J, Petit-Teixeira E. Genetics of Dupuytren's disease. *Joint Bone Spine.* 2012 Jan;79(1):7-12.

Moltó A, Ea HK, Richette P, Bardin T, Lioté F. Efficacy of anakinra for refractory acute calcium pyrophosphate crystal arthritis. *Joint Bone Spine.* 2012 Dec;79(6):621-3.

Moltó A, Ea HK, Richette P, Bardin T, Lioté F. Efficacy of anakinra for refractory acute calcium pyrophosphate crystal arthritis. *Joint Bone Spine.* 2012 Dec;79(6):621-3. doi: 10.1016/j.jbspin.2012.01.010. Epub 2012 Jun 1.

Moubarak G, Algalarrondo V, Badenco N, Guiot A, Guillausseau PJ, Bergmann JF, Bardin T, Leenhardt A, Solal AC. Electrocardiographic abnormalities in centenarians and octogenarians: a case-matched study. *Ann Noninvasive Electrocardiol.* 2012 Oct;17(4):372-7.

Mugniery E, Dacquin R, Marty C, Benoist-Lasselin C, de Vernejoul MC, Jurdic P, Munnich A, Geoffroy V, Legeai-Mallet L. An activating Fgfr3 mutation affects trabecular bone formation via

a paracrine mechanism during growth *Hum Mol Genet.* 2012 Jun 1;21(11):2503-13. doi: 10.1093/hmg/ddc065. Epub 2012 Feb 24.

Nguyen C, Lieberherr M, Bordat C, Velard F, Côme D, Lioté F, Ea HK. Intracellular calcium oscillations in articular chondrocytes induced by basic calcium phosphate crystals lead to cartilage degradation. *Osteoarthritis Cartilage.* 2012 Nov;20(11):1399-408. doi: 10.1016/j.joca.2012.07.017. Epub 2012 Aug 8.

Olivé A, Bardin T. A variety of diseases with a common trunk. *Best Pract Res Clin Rheumatol.* 2012 Aug;26(4):423-4.

Ostertag A, Collet C, Chappard C, Fernandez S, Vicaut E, Cohen-Solal M, de Vernejoul MC. A case-control study of fractures in men with idiopathic osteoporosis: Fractures are associated with older age and low cortical bone density. *Bone.* 2012 ; 23; 52(1):48-55.

Ottaviani S, Bardin T, Richette P. Usefulness of ultrasonography for gout. *Joint Bone Spine.* 2012 Oct;79(5):441-5.

Ottaviani S, Bernard JL, Bardin T, Richette P. Effect of music on anxiety and pain during joint lavage for knee osteoarthritis. *Clin Rheumatol.* 2012 Mar;31(3):531-4.

Ottaviani S, Richette P, Allard A, Ora J, Bardin T. Ultrasonography in gout: a case-control study. *Clin Exp Rheumatol.* 2012 Jul-Aug;30(4):499-504.

Piard J, Collet C, Arbez-Gindre F, Nirhy-Lanto A, Van Maldergem L. Coronal craniosynostosis and radial ray hypoplasia: A third report of Twist mutation in a 33 weeks fetus with diaphragmatic hernia. *Eur J Med Genet.* 2012 ; 55(12):719-22.

Rullé S, Ah Kioon MD, Asensio C, Mussard J, Ea HK, Boissier MC, Lioté F, Falgarone G. Adrenomedullin, a neuropeptide with immunoregulatory properties induces semi-mature tolerogenic dendritic cells. *Immunology.* 2012 Jun;136(2):252-64. doi: 10.1111/j.1365-2567.2012.03577.x.

Saidak Z, Haÿ E, Marty C, Barbara A, Marie PJ. Strontium ranelate rebalances bone marrow adipogenesis and osteoblastogenesis in senescent osteopenic mice through NFATc/Maf and Wnt signaling. *Aging Cell.* 2012 Jun;11(3):467-74. doi: 10.1111/j.1474-9726.2012.00804.x. Epub 2012 Mar 12.

Schlesinger N, Alten RE, Bardin T, Schumacher HR, Bloch M, Gimona A, Krammer G, Murphy V, Richard D, So AK. Canakinumab for acute gouty arthritis in patients with limited treatment options: results from two randomised, multicentre, active-controlled, double-blind trials and their initial extensions. *Ann Rheum Dis.* 2012 Nov;71(11):1839-48.

Sévère N, Dieudonné FX, Marty C, Modrowski D, Patiño-García A, Lecanda F, Fromigué O, Marie PJ. Targeting the E3 ubiquitin casitas B-lineage lymphoma decreases osteosarcoma cell growth and survival and reduces tumorigenesis. *J Bone Miner Res.* 2012 Oct;27(10):2108-17. doi: 10.1002/jbmr.1667.

Srouji S, Ben-David D, Fromigué O, Vaudin P, Kuhn G, Müller R, Livne E, Marie PJ. Lentiviral-mediated integrin $\alpha 5$ expression in human adult mesenchymal stromal cells promotes bone repair in mouse cranial and long-bone defects. *Hum Gene Ther.* 2012 Feb;23(2):167-72. doi: 10.1089/hum.2011.059. Epub 2011 Dec 2.

Terrier B, Jehan F, Munteanu M, Geri G, Saadoun D, Sène D, Poynard T, Souberbielle JC, Cacoub P. Low 25-hydroxyvitamin D serum levels correlate with the presence of extra-hepatic manifestations in chronic hepatitis C virus infection. *Rheumatology (Oxford).* 2012 Nov;51(11):2083-90. doi: 10.1093/rheumatology/kes209. Epub 2012 Aug 20.

Zaidan M, Berçot B, Petit A, Bardin T, Richette P. Whipple disease mimicking adult-onset Still's disease and treated by anakinra: diagnosis using PCR. *Scand J Rheumatol.* 2012 Aug;41(4):321-3.

Bardin T, Desideri G. How to manage patients with gout. *Curr Med Res Opin.* 2013 Apr;29 Suppl 3:17-24.

Bardin T, Richette P. New ACR guidelines for gout management hold some surprises. *Nat Rev Rheumatol.* 2013 Jan;9(1):9-11.

Beaudreuil J, Zerkak D, Métivier JC, Fouquet B. Care related pain and functional restoration for chronic low back pain: a prospective study. *Ann Phys Rehabil Med* 2013;56:455-64.

Bourdeaut F, Miquel C, Di Rocco F, Grison C, Richer W, Brugieres L, Pierron G, James S, Baujat G, Delattre O, Collet C. Germline mutations in FGF receptors and medulloblastomas. *Am J Med Genet A.* 2013; 161(2):382-5.

Brun J, Dieudonné FX, Marty C, Müller J, Schüle R, Patiño-García A, Lecanda F, Fromigué O, Marie PJ. FHL2 silencing reduces Wnt signaling and osteosarcoma tumorigenesis in vitro and in vivo. *PLoS One.* 2013;8(1):e55034. doi: 10.1371/journal.pone.0055034. Epub 2013 Jan 28.

Chabbi-Achengli Y, Launay JM, Maroteaux L, de Vernejoul MC, Collet C. Serotonin 2B receptor (5-HT_{2B} R) signals through prostacyclin and PPAR- β / γ in osteoblasts. *PLoS ONE.* 2013 ; 8 : e75783.

Chou J, Lin JH, Brenot A, Kim JW, Provot S, Werb Z. GATA3 suppresses metastasis and modulates the tumour microenvironment by regulating microRNA-29b expression. *Nat Cell Biol.* 2013 Feb;15(2):201-13. doi: 10.1038/ncb2672. Epub 2013 Jan 27.

Collet C, Alessandri JL, Arnaud E, Balu M, Daire V, Di Rocco F Crouzon syndrome and Bent bone dysplasia associated with mutations at the same Tyr-381 residue in FGFR2 gene. Clin Genet. Juin 2013

Collet C, Laplanche JL, de Vernejoul MC. Camurati-Engelmann disease with obesity in a newly identified family carrying a missense p.Arg156Cys mutation in the TGFB1 gene, Am J Med Genet A. 2013;161 (8):2074-7.

Cooper C, Adachi JD, Bardin T, Berenbaum F, Flamion B, Jonsson H, Kanis JA, Pelousse F, Lems WF, Pelletier JP, Martel-Pelletier J, Reiter S, Reginster JY, Rizzoli R, Bruyère O. How to define responders in osteoarthritis. Curr Med Res Opin. 2013 Jun;29(6):719-29.

Coudert AE, Del Fattore A, Baulard C, Olaso R, Schiltz C, Collet C, Teti A, de Vernejoul MC. Differentially expressed genes in autosomal dominant osteopetrosis type II osteoclasts reveal known and novel pathways for osteoclast biology. Lab Invest. 2014 Mar;94(3):275-85. doi: 10.1038/labinvest.2013.140. Epub 2013 Dec 16.

Dessombz A, Nguyen C, Ea HK, Rouzière S, Foy E, Hannouche D, Réguer S, Picca FE, Thiaudière D, Lioté F, Daudon M, Bazin D. Combining X-ray fluorescence, XANES and XRD to shed light on Zn²⁺ cations in cartilage and meniscus calcifications. J Trace Elem Med Biol. 2013 Oct;27(4):326-33. doi: 10.1016/j.jtemb.2013.02.001. Epub 2013 Feb 18.

Di Rocco F, Dubravova D, Ziyadeh J, Sainte-Rose C, Collet C, Arnaud E. The Foramen magnum in isolated and syndromic brachycephaly. Childs Nerv Syst. 2013, 18.

Dieudonne FX, Sévère N, Bioso-Duplan M, Weng JJ, Su Y, Marie PJ. Promotion of osteoblast differentiation in mesenchymal cells through Cbl-mediated control of STAT5 activity. Stem Cells. 2013 Jul;31(7):1340-9. doi: 10.1002/stem.1380.

Ea HK, Chobaz V, Nguyen C, Nasi S, van Lent P, Daudon M, Dessombz A, Bazin D, McCarthy G, Jolles-Haeberli B, Ives A, Van Linthoudt D, So A, Lioté F, Busso N. Pathogenic role of basic calcium phosphate crystals in destructive arthropathies. PLoS One. 2013;8(2):e57352. doi: 10.1371/journal.pone.0057352. Epub 2013 Feb 28.

Gallet M, Saïdi S, Haÿ E, Photsavang J, Marty C, Sailland J, Carnesecchi J, Tribollet V, Barenton B, Forcet C, Birling MC, Sorg T, Chassande O, Cohen-Solal M, Vanacker JM. Repression of osteoblast maturation by ERR α accounts for bone loss induced by estrogen deficiency. PLoS One. 2013;8(1):e54837. doi: 10.1371/journal.pone.0054837. Epub 2013 Jan 24.

Gualeni B, de Vernejoul MC, Marty-Morieux C, De Leonardis F, Franchi M, Monti L, Forlino A, Houillier P, Rossi A, Geoffroy V. Alteration of proteoglycan sulfation affects bone growth and remodeling. Bone. 2013 May;54(1):83-91. doi: 10.1016/j.bone.2013.01.036. Epub 2013 Jan 28.

Habel N, Hamidouche Z, Girault I, Patiño-García A, Lecanda F, Marie PJ, Fromigué O. Zinc chelation: a metallothionein 2A's mechanism of action involved in osteosarcoma cell death and chemotherapy resistance. *Cell Death Dis.* 2013 Oct 24;4:e874. doi: 10.1038/cddis.2013.405.

Jafari, M., Ahangari, G., Saberi, M., Samangoui, S., Torabi, R., and Zouali, M. (2013). Distorted expression of dopamine receptor genes in systemic lupus erythematosus. *Immunobiology* 218, 979-983.

Jullien N, Dieudonné FX, Habel N, Marty C, Modrowski D, Patino A, Lecanda F, Sévère N, Marie PJ. ErbB3 silencing reduces osteosarcoma cell proliferation and tumor growth in vivo. *Gene.* 2013 May 25;521(1):55-61. doi: 10.1016/j.gene.2013.03.031. Epub 2013 Mar 27.

Lassus J, Gayat E, Mueller C, Peacock WF, Spinar J, Harjola VP, van Kimmenade R, Pathak A, Mueller T, Disomma S, Metra M, Pascual-Figal D, Laribi S, Logeart D, Noura S, Sato N, Potocki M, Parenica J, Collet C, Cohen-Solal A, Januzzi JL Jr, Mebazaa A; GREAT-Network. Incremental value of biomarkers to clinical variables for mortality prediction in acutely decompensated heart failure: the Multinational Observational Cohort on Acute Heart Failure (MOCA). *Int. J. Cardiol.* 2013 ; 168 : 2186-94.

Legrand M, Collet C, Gayat E, Henao J, Giraudeau V, Mateo J, Launay JM, Payen D. Accuracy of urine NGAL commercial assays in critically ill patients. *Intensive Care Med.* 2013 ; 39(3):541-2.

Lescaille G, Coudert AE, Baaroun V, Javelot MJ, Cohen-Solal M, Berdal A, Goudot P, Azérad J, Ruhin B, Descroix V. Osteonecrosis of the jaw and nonmalignant disease: is there an association with rheumatoid arthritis? *J Rheumatol.* 2013 Jun;40(6):781-6. doi: 10.3899/jrheum.120810. Epub 2013 Mar 15.

Mebazaa A, Gayat E, Lassus J, Meas T, Mueller C, Maggioni A, Peacock F, Spinar J, Harjola VP, van Kimmenade R, Pathak A, Mueller T, Tavazzi L, Disomma S, Metra M, Pascual-Figal D, Laribi S, Logeart D, Noura S, Sato N, Parenica J, Deye N, Boukef R, Collet C, Van den Berghe G, Cohen-Solal A, Januzzi JL Jr; GREAT Network. Association Between Elevated Blood Glucose and Outcome in Acute Heart Failure: Results From an International Observational Cohort. *J Am Coll Cardiol.* 2013, 1097(12)05865-2.

Michou L, Cornélis F, Baron M, Bombardieri S, Balsa A, Westhovens R, Barrera P, Alves H, Radstake TR, Migliorini P, Bardin T, Petit-Teixeira E, Boilard E. Association study of the platelet collagen receptor glycoprotein VI gene with rheumatoid arthritis. *Clin Exp Rheumatol.* 2013 Sep-Oct;31(5):770-2.

Nguyen C, Bazin D, Daudon M, Chatron-Colliet A, Hannouche D, Bianchi A, Côme D, So A, Busso N, Busso N, Lioté F, Ea HK. Revisiting spatial distribution and biochemical composition of

calcium-containing crystals in human osteoarthritic articular cartilage. *Arthritis Res Ther.* 2013;15(5):R103.

Ottaviani S, Moltó A, Ea HK, Neveu S, Gill G, Brunier L, Palazzo E, Meyer O, Richette P, Bardin T, Allanore Y, Lioté F, Dougados M, Dieudé P. Efficacy of anakinra in gouty arthritis: a retrospective study of 40 cases. *Arthritis Res Ther.* 2013;15(5):R123.

Riché F, Gayat E, Collet C, Mateo J, Laisné MJ, Launay JM, Valleur P, Payen D, Cholley BP. Local and systemic innate immune response to secondary human peritonitis. Influence of micro-organism. *Crit Care.* 2013, 12;17(5).

Richette P, Tubach F, Breban M, Viguier M, Bachelez H, Bardin T, Dougados M. Psoriasis and phenotype of patients with early inflammatory back pain. *Ann Rheum Dis.* 2013 Apr;72(4):566-71.

Touraine S, Ea HK, Bousson V, Cohen-Solal M, Laouisset L, Chappard C, Lioté F, Laredo JD. Chondrocalcinosis of femoro-tibial and proximal tibio-fibular joints in cadaveric specimens: a high-resolution CT imaging study of the calcification distribution. *PLoS One.* 2013;8(1):e54955. doi: 10.1371/journal.pone.0054955. Epub 2013 Jan 25.

Yelnik AP, Andriantsifanetra C, Bradai N, Sportouch P, Beaudreuil J, Dizien O. Poliomyelitis sequels in France and the clinical and social needs of survivors: a retrospective study of 200 patients. *Ann Phys Rehabil Med* 2013;56:542-50.

Zerkak D, Métivier JC, Fouquet B, Beaudreuil J. Validation of a French version of Roland-Morris questionnaire in chronic low back pain patients. *Ann Phys Rehabil Med* 2013;56:613-20.

Bazin D, Dessombz A, Nguyen C, Ea HK, Lioté F, Rehr J, Chappard C, Rouzière S, Thiaudière D, Reguer S, Daudon M. The status of strontium in biological apatites: an XANES/EXAFS investigation. *J Synchrotron Radiat.* 2014 Jan;21(Pt 1):136-42. doi: 10.1107/S1600577513023771. Epub 2013 Nov 2.

Beaudreuil J, Orcel P, Bardin T, Rodrigues JN, Zhang W, Scammell BE, Davis TR. Re: Rodrigues JN, Zhang W, Scammell BE, Davis TRC. What patients want from the treatment of Dupuytren's disease - is the Unité Rhumatologique des Affections de la Main (URAM) scale relevant? *J Hand Surg Eur.* Epub ahead of print 21 February 2014. DOI: 10.1177/1753193414524689. *J Hand Surg Eur Vol.* 2014 Jul;39(6):673-4.

Beaudreuil J, Orcel P, Bardin T. Why the URAM scale is relevant for assessing functional limitation in Dupuytren's disease. *J Hand Surg Eur Vol* 2014;39:673-5.

Belkhabria MR, Collet C, Laplanche JL, Hassani R. Novel SOST gene mutation in a sclerosteosis patient from Morocco: a case report. *Eur J Med Genet.* 2014 ; 57 : 133-7.

Bernabé B, Lasbleiz S, Gerber RA, Cappelleri JC, Yelnik A, Orcel P, Bardin T, Beaudreuil J. URAM scale for functional assessment in Dupuytren's disease: a comparative study of its properties. *Joint Bone Spine.* 2014 Oct;81(5):441-4. doi: 10.1016/j.jbspin.2014.01.007. Epub 2014 Feb 22.

Blain H, Rolland Y, Beauchet O, Annweiler C, Benhamou CL, Benetos A, Berrut G, Audran M, Bendavid S, Bousson V, Briot K, Brazier M, Breuil V, Chapuis L, Chapurlat R, Cohen-Solal M, Cortet B, Dargent P, Fardellone P, Feron JM, Gauvain JB, Guggenbuhl P, Hanon O, Laroche M, Kolta S, Lespessailles E, Letombe B, Mallet E, Marcelli C, Orcel P, Puisieux F, Seret P, Souberbielle JC, Sutter B, Trémollières F, Weryha G, Roux C, Thomas T; Groupe de recherche et d'information sur les ostéoporoses et la Société française de gériatrie et gérontologie. Usefulness of bone density measurement in fallers. *Joint Bone Spine.* 2014 Oct;81(5):403-8. doi: 10.1016/j.jbspin.2014.01.020. Epub 2014 Apr 2.

Bruyère O, Reginster JY, Bellamy N, Chapurlat R, Richette P, Cooper C; SEKOIA investigators. Clinically meaningful effect of strontium ranelate on symptoms in knee osteoarthritis: a responder analysis. *Rheumatology (Oxford).* 2014 Aug;53(8):1457-64. doi: 10.1093/rheumatology/keu018. Epub 2014 Mar 25.

Burkhardt J, Blume M, Petit-Teixeira E, Hugo Teixeira V, Steiner A, Quente E, Wolfram G, Scholz M, Pierlot C, Migliorini P, Bombardieri S, Balsa A, Westhovens R, Barrera P, Radstake TR, Alves H, Bardin T, Prum B, Emmrich F, Cornelis F, Ahnert P, Kirsten H. Cellular adhesion gene SELP is associated with rheumatoid arthritis and displays differential allelic expression. *PLoS One.* 2014 Aug 22;9(8):e103872.

Castañeda S, Roman-Blas JA, Cohen-Solal M, Largo R, Herrero-Beaumont G. Is lecturing in Rheumatology Satellite Symposia a male attribute? *Rheumatol Int.* 2014 Feb;34(2):287-8. doi: 10.1007/s00296-013-2747-7. Epub 2013 Apr 16.

Chang MK, Kramer I, Keller H, Gooi JH, Collett C, Jenkins D, Ettenberg SA, Cong F, Halleux C, Kneissel M. Reversing LRP5-dependent osteoporosis and SOST deficiency-induced sclerosing bone disorders by altering WNT signaling activity. *Journal of Bone and Mineral Research.* 2014 ; Jan;29(1):29-42.

Chevalier X, Ravaud P, Maheu E, Baron G, Riolland A, Vergnaud P, Roux C, Maugars Y, Mulleman D, Lukas C, Wendling D, Lafforgue P, Loeuille D, Foltz V, Richette P; Adalimumab in patients with hand osteoarthritis refractory to analgesics and NSAIDs: a randomised, multicentre, double-blind, placebo-controlled trial. On behalf of the French section of osteoarthritis. *Ann Rheum Dis.* 2014 May 9. doi: 10.1136/annrheumdis-2014-205348.

Couderc M, Gottenberg JE, Mariette X, Pereira B, Bardin T, Cantagrel A, Combe B, Dougados M, Flipo RM, Le Loët X, Shaevebeke T, Ravaud P, Soubrier M; Club Rhumatismes et

Inflammations. Influence of gender on response to rituximab in patients with rheumatoid arthritis: results from the Autoimmunity and Rituximab registry. *Rheumatology (Oxford)*. 2014 Oct;53(10):1788-93.

di Rocco F, Baujat G, Arnaud E, Rénier D, Laplanche JL, Cormier-Daire V, Collet C. Clinical spectrum and outcomes in families with coronal synostosis and TCF12 mutations. *Eur J Hum Genet*. 2014.

di Rocco F, Dubravova D, Ziyadeh J, Sainte-Rose C, Collet C, Arnaud, E. The foramen magnum in isolated and syndromic brachycephaly. *Childs Nerv Syst*. 2014 ; 30 : 165-72.

Dimitrova-Nakov S, Baudry A, Harichane Y, Collet C, Marchadier A, Kellermann O, Goldberg M. Deletion of serotonin 2B receptor provokes structural alterations of mouse dental tissues. *Calcif. Tissue Int*. 2014 ; 94 : 293-300.

Dougados M, Soubrier M, Perrodeau E, Gossec L, Fayet F, Gilson M, Cerato MH, Pouplin S, Flipo RM, Chabrefy L, Mouterde G, Euller-Ziegler L, Schaefferbeke T, Fautrel B, Saraux A, Chary-Valckenaere I, Chales G, Dernis E, Richette P, Mariette X, Berenbaum F, Sibia J, Ravaud P. Impact of a nurse-led programme on comorbidity management and impact of a patient self-assessment of disease activity on the management of rheumatoid arthritis: results of a prospective, multicentre, randomised, controlled trial (COMEDRA). *Ann Rheum Dis*. 2014 May 28. pii: annrheumdis-2013-204733. doi: 10.1136/annrheumdis-2013-204733.

Funck-Brentano T, Bouaziz W, Marty C, Geoffroy V, Hay E, Cohen-Solal M. Dkk-1-mediated inhibition of Wnt signaling in bone ameliorates osteoarthritis in mice. *Arthritis Rheumatol*. 2014 Nov;66(11):3028-39. doi: 10.1002/art.38799.

Gaze DC, Prante C, Dreier J, Knabbe C, Collet C, Launay JM, Franekova J, Jabor A, Lennartz L, Shih J, del Rey JM, Zaninotto M, Plebani M, Collinson PO. Analytical evaluation of the automated galectin-3 assay on the Abbott ARCHITECT immunoassay instruments. *Clin. Chem. Lab. Med*. 2014 ; 52 : 919-26..

Haÿ E, Dieudonné FX, Saidak Z, Marty C, Brun J, Nascimento SD, Sonnet P, Marie PJ. N-cadherin/Wnt interaction controls bone marrow mesenchymal cell fate and bone mass during aging. *Journal of Cell Physiology*, 229, 11:1765-75, 2014

Haye D, Collet C, Sembely-Taveau C, Haddad G, Denis C, Soulé N, Suc AL, Listrat A, Toutain A. Prenatal findings in carpenter syndrome and a novel mutation in RAB23. *Am J Med Genet A*. 2014; 164: 2926-30.

Heuzé Y, Martínez-Abadías N, Stella JM, Arnaud E, Collet C, García Fructuoso G, Alamar M, Lo LJ, Boyadjiev SA, Di Rocco F, Richtsmeier JT. *Birth Defects Res. Part A Clin. Mol. Teratol*. 2014 ; 100 : 250-9.

Laribi S, Kansao J, Borderie D, Collet C, Deschamps P, Ababsa R, Mouniam L, Got L, Leon A, Thoannes H, Santin A, Kouyoumdjian JC, Dahyot-Fizelier C, Millet C, Golmard JL, Beaudoux JL; Stic-S100 Study Groupa. S100B blood level measurement to exclude cerebral lesions after minor head injury: the multicenter STIC-S100 French study. *Clin Chem Lab Med*. 2014 ; 52 : 527-36.

Lasbleiz S, Quintero N, Ea K, Petrover D, Aout M, Laredo JD, Vicaut E, Bardin T, Orcel P, Beaudreuil J. Diagnostic value of clinical tests for degenerative rotator cuff disease in medical practice. *Ann Phys Rehabil Med*. 2014 Jun;57(4):228-43. doi: 10.1016/j.rehab.2014.04.001. Epub 2014 May 2.

Le Henaff C, Haÿ E, Velard F, Marty C, Tabary O, Marie PJ*, Jacquot JP*. Enhanced F508del-CFTR channel activity ameliorates bone pathology in murine cystic fibrosis. *American Journal of Pathology*, 184(4):1132-41, 2014. * Equal senior authors.

Lioté F, Ea HK. Clinical implications of pathogenic calcium crystals. *Curr Opin Rheumatol*. 2014 Mar;26(2):192-6. doi: 10.1097/BOR.000000000000038. Review. PubMed PMID: 24452194.

Malbos S, Urena-Torres P, Cohen-Solal M, Trout H, Lioté F, Bardin T, Ea HK. Sodium thiosulphate treatment of uraemic tumoral calcinosis. *Rheumatology (Oxford)*. 2014 Mar;53(3):547-51. doi: 10.1093/rheumatology/ket388. Epub 2013 Nov 29.

Maravic M, Lasbleiz S, Roulot E, Beaudreuil J. Hospitalization for Dupuytren's disease: a French national descriptive analysis, 2002 to 2009. *Orthop Traumatol Surg Res* 2014;100:589-92.

Maravic M, Ostertag A, Torres PU, Cohen-Solal M. Incidence and risk factors for hip fractures in dialysis patients. *Osteoporos Int*. 2014 Jan;25(1):159-65. doi: 10.1007/s00198-013-2435-1. Epub 2013 Jul 9.

Nasi S, Ea HK, Chobaz V, van Lent P, Lioté F, So A, Busso N. Dispensable role of myeloid differentiation primary response gene 88 (MyD88) and MyD88-dependent toll-like receptors (TLRs) in a murine model of osteoarthritis. *Joint Bone Spine*. 2014 Jul;81(4):320-4. doi: 10.1016/j.jbspin.2014.01.018. Epub 2014 Apr 2. PubMed PMID: 24703622.

Ostertag A, Peyrin F, Fernandez S, Laredo JD, de Vernejoul MC, Chappard C. Cortical measurements of the tibia from high resolution peripheral quantitative computed tomography images: a comparison with synchrotron radiation micro-computed tomography. *Bone*. 2014 Jun;63:7-14. doi: 10.1016/j.bone.2014.02.009. Epub 2014 Feb 26.

Payet S, Soubrier M, Perrodeau E, Bardin T, Cantagrel A, Combe B, Dougados M, Flipo RM, Le Loët X, Shaeverbeke T, Ravaud P, Gottenberg JE, Mariette X. Efficacy and safety of rituximab in elderly patients with rheumatoid arthritis enrolled in a French Society of Rheumatology registry. *Arthritis Care Res (Hoboken)*. 2014 Sep;66(9):1289-95. PMID:25299001

Pinson L, Mannini L, Willems M, Cucco F, Sirvent N, Frebourg T, Quarantotti V, Collet C, Schneider A, Sarda P, Geneviève D, Puechberty J, Lefort G, Musio A. CEP57 mutation in a girl with mosaic variegated aneuploidy syndrome. *Am J Med Genet A*. 2014, 164 : 177-81.

Quemeneur AS, Trocetto JM, Ea HK, Ostertag A, Leyendecker A, Duclos-Vallée JC, de Vernejoul MC, Woimant F, Lioté F. Bone status and fractures in 85 adults with Wilson's disease. *Osteoporos Int*. 2014 Nov;25(11):2573-80. doi: 10.1007/s00198-014-2806-2. Epub 2014 Jul 16. PubMed PMID: 25027110.

Richette P, Clerson P, Bouée S, Chalès G, Doherty M, Flipo RM, Lambert C, Lioté F, Poiraud T, Schaeffer T, Bardin T. Identification of patients with gout: elaboration of a questionnaire for epidemiological studies. *Ann Rheum Dis*. 2014 May 5. doi: 10.1136/annrheumdis-2013-204976.

Richette P, Clerson P, Bouée S, Chalès G, Doherty M, Flipo RM, Lambert C, Lioté F, Poiraud T, Schaeffer T, Bardin T. Identification of patients with gout: elaboration of a questionnaire for epidemiological studies. *Ann Rheum Dis*. 2015 Sep;74(9):1684-90. doi: 10.1136/annrheumdis-2013-204976. Epub 2014 May 5. PubMed PMID: 24796335.

Richette P, Molto A, Viguier M, Dawidowicz K, Hayem G, Nassif A, Wendling D, Aubin F, Lioté F, Bachelez H. Hidradenitis suppurativa associated with spondyloarthritis -- results from a multicenter national prospective study. *J Rheumatol*. 2014 Mar;41(3):490-4. doi: 10.3899/jrheum.130977. Epub 2014 Jan 15.

Saidak Z, Le Henaff C, Azzi S, Marty C, Marie PJ. Low dose PTH increases osteoblast activity via decreased Mef2c/Sost in senescent osteopenic mice. *Journal of Endocrinology*, 223, 1:25-33, 2014.

Schaefer E, Collet C, Genevieve D, Vincent M, Lohmann DR, Sanchez E, Bolender C, Eliot MM, Nürnberg G, Passos-Bueno MR, Wiczorek D, van Maldergem L, Doray B. Autosomal recessive POLR1D mutation with decrease of TCOF1 mRNA is responsible for Treacher Collins syndrome. *Genet Med*. 2014; 16: 720-4.

Schoindre Y, Jallouli M, Tanguy ML, Ghillani P, Galicier L, Aumaître O, Francès C, Le Guern V, Lioté F, Smail A, Limal N, Perard L, Desmurs-Clavel H, Le Thi Huong D, Asli B, Kahn JE, Sailler L, Ackermann F, Papo T, Sacré K, Fain O, Stirnemann J, Cacoub P, Leroux G, Cohen-Bittan J, Hulot JS, Lechat P, Musset L, Piette JC, Amoura Z, Souberbielle JC, Costedoat-Chalumeau N; Group PLUS. Lower vitamin D levels are associated with higher systemic lupus erythematosus activity, but not predictive of disease flare-up. *Lupus Sci Med*. 2014 Jun 7;1(1):e000027. doi: 10.1136/lupus-2014-000027. eCollection 2014. PubMed PMID: 25379192; PubMed Central PMCID: PMC4213833.

Souberbielle JC, Benhamou CL, Cortet B, Rousière M, Roux C, Abitbol V, Annweiler C, Audran M, Bacchetta J, Bataille P, Beauchet O, Bardet R, Benachi A, Berenbaum F, Blain H, Borson-

Chazot F, Breuil V, Briot K, Brunet P, Carel JC, Caron P, Chabre O, Chanson P, Chapurlat R, Cochat P, Coutant R, Christin-Maitre S, Cohen-Solal M, Combe C, Cormier C, Courbebaisse M, Debrus G, Delemer B, Deschenes G, Duquenne M, Fardellone P, Fouque D, Friedlander G, Gauvain JB, Groussin L, Guggenbuhl P, Houillier P, Hannedouche T, Jacot W, Javier RM, Jean G, Jeandel C, Joly D, Kamenicky P, Knebelmann B, Lafage-Proust MH, LeBouc Y, Legrand E, Levy-Weil F, Linglart A, Machet L, Maheu E, Mallet E, Marcelli C, Marès P, Mariat C, Maruani G, Maugars Y, Montagnon F, Moulin B, Orcel P, Partouche H, Personne V, Pierrot-Deseilligny C, Polak M, Pouteil-Noble C, Prié D, Raynaud-Simon A, Rolland Y, Sadoul JL, Salle B, Sault C, Schott AM, Sermet-Gaudelus I, Soubrier M, Tack I, Thervet É, Tostivint I, Touraine P, Tremollières F, Urena-Torres P, Viard JP, Wemeau JL, Weryha G, Winer N, Young J, Thomas T. [Weakening osteopathies, chronic kidney disease, malabsorption, biological anomalies of calcium/phosphorus metabolism: appropriate indications for a reasoned reimbursement of serum vitamin D measurement]. *Ann Biol Clin (Paris)*. 2014 Jul-Aug;72(4):385-9. doi: 10.1684/abc.2014.0972. French. No abstract available.

Supanchart C, Wartosch L, Schlack C, Kühnisch J, Felsenberg D, Fuhrmann JC, de Vernejoul MC, Jentsch TJ, Kornak U. CIC-7 expression levels critically regulate bone turnover, but not gastric acid secretion. *Bone*. 2014 Jan;58:92-102. doi: 10.1016/j.bone.2013.09.022. Epub 2013 Oct 5.

Tauber M, Buche S, Reygagne P, Berthelot JM, Aubin F, Ghislain PD, Cohen JD, Coquerelle P, Goujon E, Jullien D, Brixi H, Jeudy G, Guennoc X, Martin A, Brénaut E, Hoppé E, Bertolotti A, Bardin T, Delaporte E, Allez M, Bachelez H, Seneschal J, Viguier M; Groupe de Recherche sur Psoriasis de Société Française de Dermatologie.; Club Rhumatismes et Inflammation (CRI).; Groupe d'études thérapeutiques des affections inflammatoires du tube digestif (GETAID). Alopecia areata occurring during anti-TNF therapy: a national multicenter prospective study. *J Am Acad Dermatol*. 2014 Jun;70(6):1146-9.

Tauber M, Viguier M, Alimova E, Petit A, Lioté F, Smahi A, Bachelez H. Partial clinical response to anakinra in severe palmoplantar pustular psoriasis. *Br J Dermatol*. 2014 Sep;171(3):646-9. doi: 10.1111/bjd.13012. Epub 2014 Aug 7. PubMed PMID: 24684162.

Vincent M*, Collet C*, Verloes A, Lambert L, Herlin C, Blanchet C, Sanchez E, Drunat S, Vigneron J, Laplanche JL, Puechberty J, Sarda P, Geneviève D. *equivalent position. Large deletions encompassing the TCOF1 and CAMK2A genes are responsible for Treacher Collins syndrome with intellectual disability. *Eur J Hum Genet*. 2014 Jan;22(1):52-6

Bardin T, Bouée S, Clerson P, Chalès G, Flipo RM, Lioté F, Perez V, Poiraud T, Schaefferbeke T, Richette P. Prevalence of gout in the adult population of France. *Arthritis Care Res (Hoboken)*. 2015 Jul 20. doi: 10.1002/acr.22660. [Epub ahead of print] PubMed PMID: 26234279.

Bardin T, Chalès G, Pascart T, Flipo RM, Korng Ea H, Roujeau JC, Delayen A, Clerson P. Risk of cutaneous adverse events with febusostat treatment in patients with skin reaction to

allopurinol. A retrospective, hospital-based study of 101 patients with consecutive allopurinol and febuxostat treatment. *Joint Bone Spine*. 2015 Dec 18. pii: S1297-319X(15)00288-2. doi: 10.1016/j.jbspin.2015.07.011. [Epub ahead of print] PMID:26709250

Bardin T, van de Laar MA. Foreword. *Joint Bone Spine*. 2015 Oct;82 Suppl 1:eS1. doi: 10.1016/S1297-319X(15)30001-4. No abstract available. PMID:26717797

Bardin T, van de Laar MA. The Way Forward: Practical Clinical Considerations for the Use of Canakinumab in Patients With Difficult-to-Treat Gouty Arthritis. *Joint Bone Spine*. 2015 Oct;82 Suppl 1:eS30-2. doi: 10.1016/S1297-319X(15)30005-1. PMID:26717800

Bardin T, Voshaar MA, van de Laar MA. The Human and Economic Burden of Difficult-to-Treat Gouty Arthritis. *Joint Bone Spine*. 2015 Oct;82 Suppl 1:eS2-8. doi: 10.1016/S1297-319X(15)30002-6. PMID:26717799

Bardin T. Canakinumab for the Patient With Difficult-to-Treat Gouty Arthritis: Review of the Clinical Evidence. *Joint Bone Spine*. 2015 Oct;82 Suppl 1:eS9-eS16. doi: 10.1016/S1297-319X(15)30003-8. PMID:26717801

Bardin T. Hyperuricemia starts at 360 micromoles (6 mg/dL). *Joint Bone Spine*. 2015 May;82(3):141-3. doi: 10.1016/j.jbspin.2015.01.002. Epub 2015 Mar 14. No abstract available. PMID:25776444

Beaudreuil J, Gallou JJ. Spondyloarthritis. Rehabilitation: for who, when, how ? *Rev Rhum* 2015 ;82 :55-9.

Beaudreuil J, Lasbleiz S, Aout M, Vicaut E, Yelnik A, Bardin T, Orcel P. Effect of dynamic humeral centring (DHC) treatment on painful active elevation of the arm in subacromial impingement syndrome. Secondary analysis of data from an RCT. *Br J Sports Med*. 2015 Mar;49(5):343-6. doi: 10.1136/bjsports-2012-091996. Epub 2013 Mar 23.

Beaudreuil J, Ostertag A, Lasbleiz S, Vicaut E, Yelnik A, Bardin T, Orcel P. Efficacy of dynamic humeral centering according to Neer test results: a stratified analysis of a randomized-controlled trial. *Int J Rehabil Res*. 2015 Mar;38(1):81-3. doi: 10.1097/MRR.000000000000079.

Bouaziz W, Funck-Brentano T, Lin H, Marty C, Ea HK, Hay E, Cohen-Solal M. Loss of sclerostin promotes osteoarthritis in mice via β -catenin-dependent and -independent Wnt pathways. *Arthritis Res Ther*. 2015 Feb 6;17(1):24. doi: 10.1186/s13075-015-0540-6.

Camacho A, Funck-Brentano T, Simão M, Cancela L, Ottaviani S, Cohen-Solal M, Richette P. Effect of C282Y Genotype on Self-Reported Musculoskeletal Complications in Hereditary Hemochromatosis. *PLoS One*. 2015 Mar 30;10(3):e0122817. doi: 10.1371/journal.pone.0122817. eCollection 2015.

Camacho A, Simão M, Ea HK, Cohen-Solal M, Richette P, Branco J, Cancela ML. Iron overload in a murine model of hereditary hemochromatosis is associated with accelerated progression of osteoarthritis under mechanical stress. *Osteoarthritis Cartilage*. 2015

Coll G, Arnaud E, Collet C, Brunelle F, Sainte-Rose C, Di Rocco F. Skull base morphology in fibroblast growth factor receptor type 2-related faciocraniosynostosis: a descriptive analysis. *Neurosurgery*. 2015 ; 75 : 571-83; discussion 583.

di Rocco F, Benoit A, Vigneron J, Segura PB, Klein O, Collet C, Arnaud E. Y-craniosynostosis by premature fusion of the metopic and coronal sutures: a new nosological entity or a variety of Saethre-Chotzen syndrome? *Birth Defects Res A Clin Mol Teratol*. 2015; 103: 306-10.

Eymard F, Parsons C, Edwards MH, Petit-Dop F, Reginster JY, Bruyère O, Richette P, Cooper C, Chevalier X. Diabetes is a risk factor for knee osteoarthritis progression. *Osteoarthritis Cartilage*. 2015 Feb 3. pii: S1063-4584(15)00026-6. doi: 10.1016/j.joca.2015.01.013.

Fodil M, Teixeira VH, Chaudru V, Hilliquin P, Bombardieri S, Balsa A, Westhovens R, Barrera P, Alves H, Migliorin P, Bardin T, Cornelis F, Boudjema A, Petit-Teixeira E. Relationship between SNPs and expression level for candidate genes in rheumatoid arthritis. *Scand J Rheumatol*. 2015;44(1):2-7. doi: 10.3109/03009742.2014.918175. Epub 2014 Sep 15. PMID:25221852

Grimaldi-Bensouda L, Alépovitch A, Aubrun E, Danchin N, Rossignol M, Abenham L, Richette P; PGRx MI Group. Impact of allopurinol on risk of myocardial infarction. *Ann Rheum Dis*. 2015 May;74(5):836-42. doi: 10.1136/annrheumdis-2012-202972. Epub 2014 Jan 6.

Harvard S, Gossec L, Pham T, Richette P, Dougados M, Anis A, Fautrel B. Measurable definitions of ankylosing spondylitis management recommendations are needed for use in observational studies. *Joint Bone Spine*. 2015 Mar 13. pii: S1297-319X(15)00037-8. doi: 10.1016/j.jbspin.2015.01.019

Hochberg MC, Martel-Pelletier J, Monfort J, Möller I, Castillo JR, Arden N, Berenbaum F, Blanco FJ, Conaghan PG, Doménech G, Henrotin Y, Pap T, Richette P, Sawitzke A, du Souich P, Pelletier JP; on behalf of the MOVES Investigation Group. Combined chondroitin sulfate and glucosamine for painful knee osteoarthritis: a multicentre, randomised, double-blind, non-inferiority trial versus celecoxib. *Ann Rheum Dis*. 2015 Jan 14. pii: annrheumdis-2014-206792. doi: 10.1136/annrheumdis-2014-206792.

Jallouli M, Galicier L, Zahr N, Aumaître O, Francès C, Le Guern V, Lioté F, Smail A, Limal N, Perard L, Desmurs-Clavel H, Le Thi Huong D, Asli B, Kahn JE, Pourrat J, Sailler L, Ackermann F, Papo T, Sacré K, Fain O, Stirnemann J, Cacoub P, Leroux G, Cohen-Bittan J, Sellam J, Mariette X, Blanchet B, Hulot JS, Amoura Z, Piette JC, Costedoat-Chalumeau N; Plaquenil Lupus Systemic Study Group. Determinants of hydroxychloroquine blood concentration variations in systemic lupus erythematosus. *Arthritis Rheumatol*. 2015 May;67(8):2176-84. doi: 10.1002/art.39194. PubMed PMID: 25989906.

Kerfant N, Bardin T, Roulot E. Multiple Giant Cell Tumors of the Tendon Sheath : Separate Volar and Dorsal Lesions Involving Three Digits of the Same Hand Following Repetitive Trauma. *J Hand Microsurg.* 2015 Jun;7(1):233-5. doi: 10.1007/s12593-015-0185-3. Epub 2015 May 19. PMID:26078552

Le Henaff C, Mansouri R, Modrowski D, Zarka M, Geoffroy V, Marty C, Tarantino N, Laplantine E, Marie PJ. Increased NF- κ B activity and decreased Wnt/ β -catenin signaling mediate reduced osteoblast differentiation and function in β 508 cystic fibrosis transmembrane conductance Regulator (CFTR) mice. *J Biol Chem.* 290(29):18009-17, 2015.

Legrand M, Jacquemod A, Gayat E, Collet C, Giraudeau V, Launay JM, Payen D. Failure of renal biomarkers to predict worsening renal function in high-risk patients presenting with oliguria. *Intensive Care Med.* 2015 ; 41: 68-76.

London GM, Marchais SJ, Guérin AP, de Vernejoul MC. Ankle-brachial index and bone turnover in patients on dialysis. *J Am Soc Nephrol.* 2015 Feb;26(2):476-83. doi: 10.1681/ASN.2014020169. Epub 2014 Sep 17.

Malbos S, Ureña-Torres P, Bardin T, Ea HK. Sodium thiosulfate is effective in calcific uremic arteriopathy complicating chronic hemodialysis. *Joint Bone Spine.* 2016 Jan;83(1):89-92. doi: 10.1016/j.jbspin.2015.03.007. Epub 2015 Oct 19. PMID:26494591

Maravic M, Beaudreuil J. Cost impact of switching one-ray fasciectomy to percutaneous needle aponeurotomy in Dupuytren's disease: a model analysis. *Joint Bone Spine* 2015;82:264-6.

Marie PJ. Osteoblast dysfunctions in bone diseases: from cellular and molecular mechanisms to therapeutic strategies. *Cell Mol Life Sci.* 72(7):1347-61, 2015.

Mauprivez C, Bataille C, Baroukh B, Llorens A, Lesieur J, Marie PJ, Saffar JL, Biosse Duplan M, Cherruau M. Periosteum metabolism and nerve fiber positioning depend on interactions between osteoblasts and peripheral innervation in rat mandible. *PLoS One* 10(10):e0140848, 2015.

McKinney C, Stamp LK, Dalbeth N, Topless RK, Day RO, Kannangara DR, Williams KM, Janssen M, Jansen TL, Joosten LA, Radstake TR, Riches PL, Tausche AK, Lioté F, So A, Merriman TR. Multiplicative interaction of functional inflammasome genetic variants in determining the risk of gout. *Arthritis Res Ther.* 2015 Oct13;17:288. doi: 10.1186/s13075-015-0802-3. PubMed PMID: 26462562; PubMed Central PMCID: PMC4604627.

Monti L, Paganini C, Lecci S, De Leonardis F, Hay E, Cohen-Solal M, Villani S, Superti-Furga A, Tenni R, Forlino A, Rossi A. N-acetylcysteine treatment ameliorates the skeletal phenotype of a mouse model of diastrophic dysplasia. *Hum Mol Genet.* 2015 Oct 1;24(19):5570-80

Naulé L, Robert V, Parmentier C, Martini M, Keller M, Cohen-Solal M, Hardin-Pouzet H, Grange-Messent V, Franceschini I, Mhaouty-Kodja S. Delayed pubertal onset and prepubertal Kiss1 expression in female mice lacking central oestrogen receptor beta. *Hum Mol Genet.* 2015 Dec 20;24(25):7326-38

Neogi T, Jansen TL, Dalbeth N, Fransen J, Schumacher HR, Berendsen D, Brown M, Choi H, Edwards NL, Janssens HJ, Lioté F, Naden RP, Nuki G, Ogdie A, Perez-Ruiz F, Saag K, Singh JA, Sundry JS, Tausche AK, Vaquez-Mellado J, Yarows SA, Taylor WJ. 2015 Gout classification criteria: an American College of Rheumatology/European League Against Rheumatism collaborative initiative. *Ann Rheum Dis.* 2015 Oct;74(10):1789-98. doi: 10.1136/annrheumdis-2015-208237. PubMed PMID: 26359487; PubMed Central PMCID: PMC4602275.

Nourissat G, Ornetti P, Berenbaum F, Sellam J, Richette P, Chevalier X. Does platelet-rich plasma deserve a role in the treatment of tendinopathy? *Joint Bone Spine.* 2015 Apr 13. pii: S1297-319X(15)00048-2. doi: 10.1016/j.jbspin.2015.02.004

Piard J, Aral B, Vabres P, Holder-Espinasse M, Mégarbané A, Gauthier S, Capra V, Pierquin G, Callier P, Baumann C, Pasquier L, Baujat G, Martorell L, Rodriguez A, Brady AF, Boralevi F, González-Enseñat MA, Rio M, Bodemer C, Philip N, Cordier MP, Goldenberg A, Demeer B, Wright M, Blair E, Puzenat E, Parent P, Sznajder Y, Francannet C, DiDonato N, Boute O, Barlogis V, Moldovan O, Bessis D, Coubes C, Tardieu M, Cormier-Daire V, Sousa AB, Franques J, Toutain A, Tajir M, Elalaoui SC, Geneviève D, Thevenon J, Courcet JB, Rivière JB, Collet C, Gigot N, Faivre L, Thauvin-Robinet C. Search for ReCQL4 mutations in 39 patients genotyped for suspected Rothmund-Thomson/Baller-Gerold syndromes. *Clin Genet.* 2015 Mar; 87: 244-51.

Plaisancié J, Collet C, Pelletier V, Perdomo Y, Studer F, Fradin M, Schaefer E, Speeg-Schatz C, Bloch-Zupan A, Flori E, Dollfus H. MSX2 Gene Duplication in a Patient with Eye Development Defects. *Ophthalmic Genet.* 2015; 36:353-8.

Richette P, Clerson P, Bouée S, Chalès G, Doherty M, Flipo RM, Lambert C, Lioté F, Poiraud T, Schaeffer T, Bardin T. Identification of patients with gout: elaboration of a questionnaire for epidemiological studies. *Ann Rheum Dis.* 2015 Sep;74(9):1684-90. doi: 10.1136/annrheumdis-2013-204976. Epub 2014 May 5.

Richette P, Clerson P, Périssin L, Flipo RM, Bardin T. Revisiting comorbidities in gout: a cluster analysis. *Ann Rheum Dis.* 2015 Jan;74(1):142-7. doi: 10.1136/annrheumdis-2013-203779. Epub 2013 Oct 9

Richette P, Flipo RN, Patrikos DK. Characteristics and management of gout patients in Europe: data from a large cohort of patients. *Eur Rev Med Pharmacol Sci.* 2015 Feb;19(4):630-9.

Richette P. Allopurinol and risk of myocardial infarction. *Heart.* 2015 May 1;101(9):659-60. doi: 10.1136/heartjnl-2014-307278. Epub 2015 Feb 13.

Saidak Z, Le Henaff C, Azzi S, Marty C, Da Nascimento S, Sonnet P, Marie PJ. Wnt- β -catenin signaling mediates osteoblast differentiation triggered by peptide-induced α 5 β 1 integrin priming in mesenchymal skeletal cells. *J Biol Chem*. 290(11):6903-6912, 2015.

Salmon JH, Gottenberg JE, Ravaud P, Cantagrel A, Combe B, Flipo RM, Schaeffer T, Houvenagel E, Gaudin P, Loeuille D, Rist S, Dougados M, Sibilia J, Le Loët X, Meyer O, Solau-Gervais E, Marcelli C, Bardin T, Pane I, Baron G, Perrodeau E, Mariette X; all the investigators of the ORA registry and the French Society of Rheumatology. Predictive risk factors of serious infections in patients with rheumatoid arthritis treated with abatacept in common practice: results from the Oencia and Rheumatoid Arthritis (ORA) registry. *Ann Rheum Dis*. 2015 Jun 5. pii: annrheumdis-2015-207362. doi: 10.1136/annrheumdis-2015-207362. [Epub ahead of print] PMID:26048170

Taillandier A, Domingues C, De Cazanove C, Porquet-Bordes V, Monnot S, Kiffer-Moreira T, Rothenbuhler A, Guggenbuhl P, Cormier C, Baujat G, Debiais F, Capri Y, Cohen-Solal M, Parent P, Chiesa J, Dieux A, Petit F, Roume J, Isnard M, Cormier-Daire V, Linglart A, Millán JL, Salles JP, Muti C, Simon-Bouy B, Mornet E. Molecular diagnosis of hypophosphatasia and differential diagnosis by targeted Next Generation Sequencing. *Mol Genet Metab*. 2015 Nov;116(3):215-20

Vincent M, Geneviève D, Ostertag A, Marlin S, Lacombe D, Martin-Coignard D, Coubes C, David A, Lyonnet S, Vilain C, Dieux-Coeslier A, Manouvrier S, Isidor B, Jacquemont ML, Julia S, Layet V, Naudion S, Odent S, Pasquier L, Pelras S, Philip N, Pierquin G, Prieur F, Aboussair N, Attie-Bitach T, Baujat G, Blanchet P, Blanchet C, Dollfus H, Doray B, Schaefer E, Edery P, Giuliano F, Goldenberg A, Goizet C, Guichet A, Herlin C, Lambert L, Leheup B, Martinovic J, Mercier S, Mignot C, Moutard ML, Perez MJ, Pinson L, Puechberty J, Willems M, Randrianaivo H, Szaskon K, Toutain A, Verloes A, Vigneron J, Sanchez E, Sarda P, Laplanche JL, Collet C. Treacher Collins syndrome: a clinical and molecular study based on a large series of patients. *Genet Med*. 2015 Mar 19. doi: 10.1038/gim.2015.29.

Al-Jazzar A, Javaheri B, Prideaux M, Boyde A, Scudamore CL, Cherifi C, Hay E, Hopkinson M, Boyd M, Cohen-Solal M, Farquharson C, Pitsillides AA. Dmp1 Promoter-Driven Diphtheria Toxin Receptor Transgene Expression Directs Unforeseen Effects in Multiple Tissues. *Int J Mol Sci*. 2016 Dec 26;18(1)

Altiner S, Karabulut HG, Yararbas K, Tükün A, Collet C, Kocaay P, Berberoglu M, Ilgin Ruhi H. A novel TWIST1 gene mutation in a patient with Saethre-Chotzen syndrome. *Clin Dysmorphol*. 2016 Nov 18.

Apra C, Collet C, Arnaud E, Di Rocco F. FGFR2 splice site mutations in Crouzon and Pfeiffer syndromes: two novel variants. *Clin. Genet.* 2016; 89 ; 746-8.

Bardin T, Bouée S, Clerson P, Chalès G, Flipo RM, Lioté F, Perez V, Poiraud T, Schaeffer T, Richette P. Prevalence of Gout in the Adult Population of France. *Arthritis Care Res (Hoboken)*. 2016 Feb;68(2):261-6.

Bardin T, Chalès G, Pascart T, Flipo RM, Korng Ea H, Roujeau JC, Delayen A, Clerson P. Risk of cutaneous adverse events with febuxostat treatment in patients with skin reaction to allopurinol. A retrospective, hospital-based study of 101 patients with consecutive allopurinol and febuxostat treatment. *Joint Bone Spine.* 2016 May;83(3):314-7.

Bardin T, Keenan RT, Khanna PP, Kopicko J, Fung M, Bhakta N, Adler S, Storgard C, Baumgartner S, So A. Lesinurad in combination with allopurinol: a randomised, double-blind, placebo-controlled study in patients with gout with inadequate response to standard of care (the multinational CLEAR 2 study). *Ann Rheum Dis.* 2017 May;76(5):811-820.

Ben Kilani MS, Achour Y, Perea J, Cornelis F, Bardin T, Chaudru V, Maalej A, Petit-Teixeira E. Characterization of copy number variants for CCL3L1 gene in rheumatoid arthritis for French trio families and Tunisian cases and controls. *Clin Rheumatol.* 2016 Jan 4. [Epub ahead of print] PMID:26728148

Biha N, Ghaber SM, Hacen MM, Collet C. Osteoporosis-Pseudoglioma in a Mauritanian Child due to a Novel Mutation in LRP5. *Case Rep Genet.* 2016, 9814928

Bouaziz W, Sigaux J, Modrowski D, Devignes C-S, Funck-Brentano T, Richette P, Ea HK, Provot S, Cohen-Solal M, Haÿ E Interaction of HIF1 α and β -catenin inhibits matrix metalloproteinase 13 expression and prevents cartilage damage in mice. *Proc Natl Acad Sci U S A* [Internet]. 2016 May 10 [cited 2017 Jun 1];113(19):5453–8. Available from: <http://www.pnas.org/lookup/doi/10.1073/pnas.1514854113>

Chabbi-Achengli Y*, Coman T*, Collet C, Callebert J, Corcelli M, Lin H, Rignault R, Dy M, de Vernejoul MC, Côté F. *equivalent position. Serotonin Is Involved in Autoimmune Arthritis through Th17 Immunity and Bone Resorption. *Am J Pathol.* 2016 ; 186: 927-37.

Cooper C, Bardin T, ML, Cacoub P, Caminis J, Civitelli R, Cutolo M, Dere W. Balancing benefits and risks of glucocorticoids in rheumatic diseases and other inflammatory joint disorders: new insights from emerging data. An expert consensus paper from the European Society for Clinical and Economic Aspects of Osteoporosis and Osteoarthritis (ESCEO). *Aging Clin Exp Res.* 2016 Jan 8 [Epub ahead of print] PMID: 26746234

Funck-Brentano T, Ostertag A, Debiais F, Fardellone P, Collet C, Mornet E, Cohen-Solal M. Identification of a p.Arg708Gln variant in COL1A2 in atypical femoral fractures. *Joint Bone Spine.* 2016 Dec 23. pii: S1297-319X(16)30220-2

Haxaire C, Haÿ E, Geoffroy V. Runx2 controls bone resorption through the downregulation of the Wnt pathway in osteoblasts. *Am J Pathol.* 2016 Jun;186(6):1598-609. doi: 10.1016/j.ajpath.2016.01.016. Epub 2016 Apr 12.

Heusschen R, Muller J, Binsfeld M, Marty C, Plougonven E, Dubois S, Mahli N, Moermans K, Carmeliet G, Léonard A, Baron F, Beguin Y, Menu E, Cohen-Solal M, Caers J. SRC kinase inhibition with saracatinib limits the development of osteolytic bone disease in multiple myeloma. *Oncotarget.* 2016 May 24;7(21):30712-29

Juge PA, Truchetet ME, Pillebout E, Ottaviani S, Vigneau C, Loustau C, Cornec D, Pascart T, Snanoudj R, Bailly F, Cornec-Le Gall E, Schaefferbeke T, Saraux A, Dieudé P, Flipo RM, Richette P, Lioté F, Bardin T, Chalès G, Ea HK. Efficacy and safety of febuxostat in 73 gouty patients with stage 4/5 chronic kidney disease: A retrospective study of 10 centers. *Joint Bone Spine.* 2016 Nov 4. pii: S1297-319X(16)30175-0.

Kiltz U, Smolen J, Bardin T, Cohen Solal A, Dalbeth N, Doherty M, Engel B, Flader C, Kay J, Matsuoka M, Perez-Ruiz F, da Rocha Castelar-Pinheiro G, Saag K, So A, Vazquez Mellado J, Weisman M, Westhoff TH, Yamanaka H, Braun J. Treat-to-target (T2T) recommendations for gout. *Ann Rheum Dis.* 2016 Apr;76(4):632-638.

Lahaye C, Soubrier M, Mulliez A, Bardin T, Cantagrel A, Combe B, Dougados M, Flipo RM, Le Loët X, Schaefferbeke T, Ravaud P, Mariette X, Gottenberg JE; French Society of Rheumatology. Effectiveness and safety of abatacept in elderly patients with rheumatoid arthritis enrolled in the French Society of Rheumatology's ORA registry. *Rheumatology (Oxford).* 2016 May;55(5):874-82.

Latourte A, Cherifi C, Maillet J, Ea HK, Bouaziz W, Funck-Brentano T, Cohen-Solal M, Hay E, Richette P. Systemic inhibition of IL-6/Stat3 signalling protects against experimental osteoarthritis. *Ann Rheum Dis.* 2016 Oct 27

Le Henaff C, Da Cunha MF, Hatton A, Tondelier D, Marty C, Collet C, Zarka M, Geoffroy V, Zatloukal K, Laplantine E, Edelman A, Sermet-Gaudelus I, Marie PJ. Genetic deletion of keratin 8 corrects the altered bone formation and osteopenia in a mouse model of cystic fibrosis. *Hum Mol Genet.* 25(7):1281-93, 2016.

Ledemazel J, Plantaz D, Pagnier A, Girard P, Lasfargue M, Hullo E, Dietrich K, Collet C, Moshous D. Malignant infantile osteopetrosis: Case report of a 5-month-old boy. *Arch Pediatr.* 2016; 23: 389-93.

Lhaneche L, Hald JD, Domingues A, Hannouche D, Delepine M, Zelenika D, Boland A, Ostertag A, Cohen-Solal M, Langdahl BL, Harsløf T, de Vernejoul MC, Geoffroy V, Jehan F. Variations of SOST mRNA expression in human bone are associated with DNA polymorphism and DNA methylation in the SOST gene. *Bone.* 2016 Nov;92:107-115

Malbos S, Ureña-Torres P, Bardin T, Ea HK. Sodium thiosulfate is effective in calcific uremic arteriopathy complicating chronic hemodialysis. *Joint Bone Spine*. 2016 Jan;83(1):89-92.

Maravic M, Ostertag A, Urena P, Cohen-Solal M. Dementia is a major risk factor for hip fractures in patients with chronic kidney disease. *Osteoporos Int*. 2016 Apr;27(4):1665-9

Ostertag A, Peyrin F, Gouttenoire PJ, Laredo JD, DeVernejoul MC, Cohen Solal M, Chappard C. Multiscale and multimodality computed tomography for cortical bone analysis. *Phys Med Biol*. 2016 Dec 21;61(24):8553-8576

Richette P, Doherty M, Pascual E, Barskova V, Becce F, Castañeda-Sanabria J, Coyfish M, Guillo S, Jansen TL, Janssens H, Lioté F, Mallen C, Nuki G, Perez-Ruiz F, Pimentao J, Punzi L, Pywell T, So A, Tausche AK, Uhlig T, Zavada J, Zhang W, Tubach F, Bardin T. 2016 updated EULAR evidence-based recommendations for the management of gout. *Ann Rheum Dis*. 2017 Jan;76(1):29-42.

Richette P, Poitou C, Manivet P, Denis J, Bouillot JL, Clément K, Oppert JM, Bardin T. Weight Loss, Xanthine Oxidase, and Serum Urate Levels: A Prospective Longitudinal Study of Obese Patients. *Arthritis Care Res (Hoboken)*. 2016 Jul;68(7):1036-42.

Salmon JH, Gottenberg JE, Ravaud P, Cantagrel A, Combe B, Flipo RM, Schaeffer T, Houvenagel E, Gaudin P, Loeuille D, Rist S, Dougados M, Sibilia J, Le Loët X, Meyer O, Solau-Gervais E, Marcelli C, Bardin T, Pane I, Baron G, Perrodeau E, Mariette X; all the investigators of the ORA registry and the French Society of Rheumatology. Predictive risk factors of serious infections in patients with rheumatoid arthritis treated with abatacept in common practice: results from the Orenia and Rheumatoid Arthritis (ORA) registry. *Ann Rheum Dis*. 2016 Jun;75(6):1108-13

Sanchez K, Palazzo C, Escalas C, Rannou F, Lefèvre-Colau MM, Ayrat X, Beaudreuil J, Poiraudou S. Patient-preference disability assessment for disabling knee osteoarthritis: Validity and responsiveness of the McMaster-Toronto Arthritis Patient Preference Disability Questionnaire. *Ann Phys Rehabil Med*. 2016;59:255-62.

Sellier P, Ostertag A, Collet C, Trout H, Champion K, Fernandez S, Lopes A, Morgand M, Clevenbergh P, Evans J, Souak S, de Vernejoul MC, Bergmann JF. Disrupted trabecular bone micro-architecture in middle-aged male HIV-infected treated patients. *HIV Med*. 2016; 17: 550-6.

Souberbielle JC, Bendavid S, Blain H, Bousson V, Breuil V, Briot K, Chapurlat R, Chapuis L, Cohen-Solal M, Fardellone P, Feron JM, Gauvain JB, Laroche M, Legrand E, Lespessailles E, Linglart A, Marcelli C, Roux C, Sutter B, Thomas T, Trémollières F, Weryha G, Cortet B. Reimbursement of the serum CTX assay in France: the clinical biology nomenclature is incoherent. *Ann Biol Clin (Paris)*. 2016 Aug 1;74(4):381-3



Stichelbout M, Dieux-Coeslier A, Clouqueur E, Collet C, Petit F. A new case of bent bone dysplasia--FGFR2 type and review of the literature. *Am. J. Med. Genet. A.* 2016 ; 170 : 785-9.

Vinel A, Hay E, Valera MC, Buscato M, Adlanmerini M, Guillaume M, Cohen-Solal M, Ohlsson C, Lenfant F, Arnal JF, Fontaine C. Role of ER β in the Effect of Estradiol on Cancellous and Cortical Femoral Bone in Growing Female Mice. *Endocrinology.* 2016 Jun;157(6):2533-44

➤ **ARTICLES DE SYNTHÈSE / REVUES BIBLIOGRAPHIQUES**

Beaudreuil J. Dupuytren's disease : 2012 update. *Rev Rhum* 2012;79:126-32.

Cohen-Solal M, Hay E, Funck-Brentano T. Animal models in OA: a means to explore bone. *Osteoporos Int.* 2012 Dec;23 Suppl 8:S853-6.

Cohen-Solal M, Hay E, Funck-Brentano T. Animal models in OA: a means to explore bone. *Osteoporos Int.* 2012 Dec;23 Suppl 8:S853-6. doi: 10.1007/s00198-012-2163-y. Epub 2012 Nov 22. Review.

de Vernejoul MC, Collet C, Chabbi-Achengli Y. Serotonin: good or bad for bone. *Bonekey Rep.* 2012 ; 1 :120

Marie PJ, Miraoui H, Sévère N. FGF/FGFR signaling in bone formation: progress and perspectives. *Growth Factors.* 2012 Apr;30(2):117-23. doi: 10.3109/08977194.2012.656761. Epub 2012 Feb 1. Review.

Marie PJ. Fibroblast growth factor signaling controlling bone formation: an update. *Gene.* 2012 Apr 25;498(1):1-4. doi: 10.1016/j.gene.2012.01.086. Epub 2012 Feb 9. Review.

Marie PJ. Signaling pathways affecting skeletal health. *Curr Osteoporos Rep.* 2012 Sep;10(3):190-8. doi: 10.1007/s11914-012-0109-0. Review.

Saidak Z, Marie PJ. Strontium signaling: molecular mechanisms and therapeutic implications in osteoporosis. *Pharmacol Ther.* 2012 Nov;136(2):216-26. doi: 10.1016/j.pharmthera.2012.07.009. Epub 2012 Jul 20. Review.

Tomi AL, Lioté F, Ea HK. One case of Felty's syndrome efficiently treated with rituximab. *Joint Bone Spine.* 2012 Dec;79(6):624-5. doi: 10.1016/j.jbspin.2012.01.013. Epub 2012 Mar 7. Review.

Cohen-Solal M, Funck-Brentano T, Hay E. Animal models of osteoarthritis for the understanding of the bone contribution. *Bonekey Rep.* 2013 Oct 2;2:422. doi: 10.1038/bonekey.2013.156.

Cohen-Solal M, Funck-Brentano T, Hay E. Animal models of osteoarthritis for the understanding of the bone contribution. *Bonekey Rep.* 2013 Oct 2;2:422. doi: 10.1038/bonekey.2013.156.

Marie PJ, Haÿ E. Cadherins and Wnt signalling: a functional link controlling bone formation. *Bonekey Rep.* 2013 Apr 17;2:330. doi: 10.1038/bonekey.2013.64.

Marie PJ. Targeting integrins to promote bone formation and repair. *Nat Rev Endocrinol*. 2013 May;9(5):288-95. doi: 10.1038/nrendo.2013.4. Epub 2013 Jan 29. Review.

Sévère N, Dieudonné FX, Marie PJ. E3 ubiquitin ligase-mediated regulation of bone formation and tumorigenesis. *Cell Death Dis*. 2013 Jan 17;4:e463. doi: 10.1038/cddis.2012.217. Review.

Zouali, M. (2013). The epigenetic landscape of B lymphocyte tolerance to self. *FEBS Letters* 587, 2067-2073.

Zouali, M., and Uy, E.A. (2013). Belimumab Therapy in Systemic Lupus Erythematosus. *BioDrugs* 27, 225-235.

Bardin T, Richette P. Definition of hyperuricemia and gouty conditions. *Curr Opin Rheumatol*. 2014 Mar;26(2):186-91. doi: 10.1097/BOR.0000000000000028. Review.

Ea HK, Lioté F. Diagnosis and clinical manifestations of calcium pyrophosphate and basic calcium phosphate crystal deposition diseases. *Rheum Dis Clin North Am*. 2014 May;40(2):207-29. doi: 10.1016/j.rdc.2014.01.011. Epub 2014 Mar 4. Review. PubMed PMID: 24703344.

Jehan F, Voloc A. [Classical actions of vitamin D: insights from human genetics and from mouse models on calcium and phosphate homeostasis]. *Biol Aujourd'hui*. 2014;208(1):45-53. doi: 10.1051/jbio/2014009. Epub 2014 Jun 23. Review. French

Latourte A, Bardin T, Richette P. Prophylaxis for acute gout flares after initiation of urate-lowering therapy. *Rheumatology (Oxford)*. 2014 Nov;53(11):1920-6. doi: 10.1093/rheumatology/keu157. Epub 2014 Apr 23. Review.

Manilay JO, Zouali M. Tight relationships between B lymphocytes and the skeletal system. *Trends Mol Med*. 2014 Jul;20(7):405-12. doi: 10.1016/j.molmed.2014.03.003. Epub 2014 Apr 10. Review.

Marie PJ, Haÿ E, Modrowski D, Revollo L, Mbalaviele G, Civitelli R. Cadherin-Mediated Cell–Cell Adhesion and Signaling in the Skeleton. *Calcif Tissue Int [Internet]*. 2014 Jan 9 [cited 2017 Jun 1];94(1):46–54. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/23657489>

Marie PJ, Haÿ E, Saidak Z. Integrin and cadherin signaling in bone: role and potential therapeutic targets. *Trends in Endocrinology and Medicine*, 25,11 :567-575, 2014.

Marie PJ, Modrowski D, Fromigué O. Culture de cellules ostéoblastiques. In: *Culture de cellules animales*, Inserm, ed. Lavoisier, pp. 360-368, 2014.

Marie PJ. Bone cell senescence: Mechanisms and perspectives. *Journal of Bone and Mineral Research* 29(6):1311-21, 2014.

Pacheco R, Contreras F, Zouali M. The dopaminergic system in autoimmune diseases. *Front Immunol.* 2014 Mar 21;5:117. doi: 10.3389/fimmu.2014.00117. eCollection 2014. Review.

Pascart T, Richette P, Flipo RM. Treatment of nongout joint deposition diseases: an update. *Arthritis.* 2014;2014:375202. doi: 10.1155/2014/375202. Epub 2014 May 8. Review.

Provot S. [Emerging notions about the microenvironmental control of tumor growth and dissemination]. *Med Sci (Paris).* 2014 Apr;30(4):366-71. doi: 10.1051/medsci/20143004008. Epub 2014 May 5. Review. French

Richette P, Frazier A, Bardin T. Pharmacokinetics considerations for gout treatments. *Expert Opin Drug Metab Toxicol.* 2014 Jul;10(7):949-57. doi: 10.1517/17425255.2014.915027. Epub 2014 May 8. Review.

Richette P, Perez-Ruiz F, Doherty M, Jansen TL, Nuki G, Pascual E, Punzi L, So AK, Bardin T. Improving cardiovascular and renal outcomes in gout: what should we target? *Nat Rev Rheumatol.* 2014 Nov;10(11):654-61. doi: 10.1038/nrrheum.2014.124. Epub 2014 Aug 19.

Torres PU, Bover J, Mazzaferro S, de Vernejoul MC, Cohen-Solal M. When, how, and why a bone biopsy should be performed in patients with chronic kidney disease. *Semin Nephrol.* 2014 Nov;34(6):612-25

Zouali, M. (2014). B cells and autoimmunity 2013. *Molecular Immunology* 62, 265.

Zouali, M. (2014). Transcriptional and metabolic pre-B cell receptor-mediated checkpoints: Implications for autoimmune diseases. *Molecular Immunology* 62, 315-320.

Zouali, M. (2014). Tweaking the B lymphocyte compartment in autoimmune diseases. *Nature Immunology* 15, 209-212.

Borghi C, Rosei EA, Bardin T, Dawson J, Dominiczak A, Kielstein JT, Manolis AJ, Perez-Ruiz F, Mancica G. Serum uric acid and the risk of cardiovascular and renal disease. *J Hypertens.* 2015 Sep;33(9):1729-41; discussion 1741. doi: 10.1097/HJH.0000000000000701. PMID:26136207

Bruyère O, Cooper C, Arden N, Branco J, Brandi ML, Herrero-Beaumont G, Berenbaum F, Dennison E, Devogelaer JP, Hochberg M, Kanis J, Laslop A, McAlindon T, Reiter S, Richette P, Rizzoli R, Reginster JY. Can we identify patients with high risk of osteoarthritis progression who will respond to treatment? A focus on epidemiology and phenotype of osteoarthritis. *Drugs Aging.* 2015 Mar;32(3):179-87. doi: 10.1007/s40266-015-0243-3.

Coudert AE, de Vernejoul MC, Muraca M, Del Fattore A. Osteopetrosis and its relevance for the discovery of new functions associated with the skeleton. *Int J Endocrinol*. 2015;2015:372156. doi: 10.1155/2015/372156. Epub 2015 Mar 19. Review.

Funck-Brentano T, Cohen-Solal M. Subchondral bone and osteoarthritis. *Curr Opin Rheumatol*. 2015 Jul;27(4):420-6.

Hardouin P, Marie PJ, Rosen CJ. New insights into bone marrow adipocytes: Report from the First European Meeting on Bone Marrow Adiposity (BMA 2015). *Bone*. S8756-3282(15)00414-7, 2015.

Hardouin P, Marie PJ, Rosen CJ. New insights into bone marrow adipocytes: Report from the First European Meeting on Bone Marrow Adiposity (BMA 2015). *Bone*. S8756-3282(15)00414-7, 2015.

Mansouri R, Haÿ E, Marie PJ, Modrowski D. Role of syndecan-2 in osteoblast biology and pathology. *Bonekey Rep [Internet]*. 2015 Apr 1 [cited 2017 Jun 1];4:666. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25848534>

Marie PJ, Fromigué O, Modrowski D. Deregulation of osteoblast differentiation in primary bone cancers. In : *Bone Cancer: Primary bone cancers and bone metastases : From basic to clinical aspects*. Editeur D. Heymann. Second Edition, Chapter 4 : 39-54, 2015.

Marie PJ. Osteoblast dysfunctions in bone diseases: from cellular and molecular mechanisms to therapeutic strategies. *Cell Mol Life Sci*. 72(7):1347-61, 2015

Ornitz DM, Marie PJ. Fibroblast growth factor signaling in skeletal development and disease. *Genes Dev*. 29(14):1463-86, 2015.

Perez-Ruiz F, Dalbeth N, Bardin T. A review of uric acid, crystal deposition disease, and gout. *Adv Ther*. 2015 Jan;32(1):31-41. doi: 10.1007/s12325-014-0175-z. Epub 2014 Dec 23. PMID:25533440

Richette P, Frazier A, Bardin T. Impact of anti-inflammatory therapies, xanthine oxidase inhibitors and other urate-lowering therapies on cardiovascular diseases in gout. *Curr Opin Rheumatol*. 2015 Mar;27(2):170-4. doi: 10.1097/BOR.000000000000149. Review. PMID:25594854



Hay E, Bouaziz W, Funck-Brentano T, Cohen-Solal M. Sclerostin and Bone Aging: A Mini-Review. *Gerontology*. 2016;62(6):618-623.

Zouali, M. (2016). The emerging roles of B cells as partners and targets in periodontitis. *Autoimmunity*, 1-10.

Zouali, M., and Tsay, G. (2016). Developing connections amongst B lymphocytes and deregulated pathways in autoimmunity. *Molecular Medicine* 22. doi: 10.2119/molmed.2016.00206