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Orthopädische Universitätsklinik

ORTHOPÄDISCHE UNIVERSITÄTSKLINIK

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1. Leitung

Prof. Dr. med. C. Lohmann

2 Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Bertrand, Jessica; Bollmann, Miriam

Soluble syndecans - biomarkers for diseases and therapeutic options
British journal of pharmacology: BJP online - Malden, MA: Wiley, Bd. 175.2018;

Bertrand, Jessica; Delfosse, Daniel; Mai, Viola; Awiszus, Friedemann; Harnisch, Karsten; Lohmann, Christoph H.

Ceramic prosthesis surfaces induce an inflammatory cell response and fibrotic tissue changes
Bone & joint journal: B & J journal - London: British Editorial Society of Bone and Joint Surgery, Bd. 100-B.2018, 7, Seite 882-890;

Chamaon, Kathrin; Schönfeld, Peter; Awiszus, Friedemann; Bertrand, Jessica; Lohmann, Christoph H.

Ionic cobalt but not metal particles induces ROS generation in immune cells in vitro
Journal of biomedical materials research / B - Hoboken, NJ: Wiley, Bd. 106.2018;

Drynda, Andreas; Drynda, Susanne; Kekow, Jörn; Lohmann, Christoph H.; Bertrand, Jessica

Differential effect of cobalt and chromium ions as well as CoCr particles on the expression of osteogenic markers and osteoblast function
International journal of molecular sciences - Basel: Molecular Diversity Preservation International, Bd. 19.2018, 10, Art.-Nr. 3034, insges. 16 S.;

Drynda, Susanne; Drynda, Andreas; Feuerstein, Bernd; Kekow, Jörn; Lohmann, Christoph H.; Bertrand, Jessica

The effects of cobalt and chromium ions on transforming growth factor-beta patterns and mineralization in human osteoblast-like MG63 and SaOs-2 cells
Journal of biomedical materials research / A - New York, NY [u.a.]: Wiley, Bd. 106.2018, 8, S. 2105-2115;

Friebe, Björn; Richter, Martin; Penzlin, Susanne; Stärke, Christian; Kropf, Siegfried; Lohmann, Christoph H.; Fischbach, Frank; Speck, Oliver

Assessment of low-grade meniscal and cartilage damage of the knee at 7 T - a comparison to 3 T imaging with arthroscopic correlation
Investigative radiology: a journal of clinical and laboratory research - Philadelphia, Pa: Lippincott Williams & Wilkins, Bd. 53.2018, 7, S. 390-396;
[Imp.fact.: 6.224]

Hameister, Rita; Lim, Chin T.; Lohmann, Christoph H.; Wang, Wilson; Singh, Gurpal

What is the role of diagnostic and therapeutic sonication in periprosthetic joint infections?
The journal of arthroplasty: official journal of the American Association of Hip and Knee Surgeons - Orlando, Fla: Churchill Livingstone, Bd. 33.2018, 8, S. 2575-2581;

Harrach, Saliha; Barz, Vivien; Pap, Thomas; Pavenstädt, Hermann; Schlatter, Eberhard; Edemir, Bayram; Distler, Jörg Hans Wilhelm; Ciarimboli, Giuliano; Bertrand, Jessica

Notch-signaling activity determines uptake and biological effect of imatinib in systemic sclerosis dermal fibroblasts
The journal of investigative dermatology - Amsterdam: Elsevier, Bd. 138.2018;

Hawellek, Thelonius; Hubert, Jan; Hischke, Sandra; Krause, Matthias; Bertrand, Jessica; Schmidt, Burkhard C.; Kronz, Andreas; Püschel, Klaus; Rütther, Wolfgang; Niemeier, Andreas

Calcification of the acetabular labrum of the hip - prevalence in the general population and relation to hip articular cartilage and fibrocartilage degeneration

Arthritis Research & Therapy - London: BioMed Central, Bd. 20.2018, Art.-Nr. 104, insges. 10 S.;

Held, Annelena; Glas, Adrian; Dietrich, Laura; Bollmann, Miriam; Brandstädter, Knut; Großmann, Tom N.; Lohmann, Christoph H.; Pap, Thomas; Bertrand, Jessica

Targeting β -catenin dependent Wnt signaling via peptidomimetic inhibitors in murine chondrocytes and OA cartilage

Osteoarthritis and cartilage - [S.l.]: Elsevier, Bd. 26.2018, 6, S. 818-823;

Hermassi, Souhail; Chelly, Mohamed-Souhail; Wollny, Rainer; Hoffmeyer, Birgit; Fieseler, Georg; Schulze, Stephan; Irlenbusch, Lars; Delank, Karl-Stefan; Shephard, Roy J.; Bartels, Thomas; Schwesig, René

Relationships between the handball-specific complex-test, nonspecific field tests and the match performance score in elite professional handball players

The journal of sports medicine and physical fitness: a journal on applied physiology, preventive medicine, sports medicine and traumatology, sports psychology - Torino: Ed. Minerva Medica, Bd. 58.2018, 6, S. 778-784;

[Imp.fact.: 1.12]

Hermassi, Souhail; Hoffmeyer, Birgit; Irlenbusch, Lars; Fieseler, Georg; Noack, Frank; Delank, Karl-Stefan; Gabbett, Tim J.; Chelly, Mohamed Souhail; Schwesig, René

Relationship between the handball-specific complex-test and intermittent field test performance in elite professional handball players.

The journal of sports medicine and physical fitness: a journal on applied physiology, preventive medicine, sports medicine and traumatology, sports psychology - Torino: Ed. Minerva Medica, Bd. 58.2018, 1/2, S. 8-16;

[Imp.fact.: 1.12]

Kosugi, Akito; Takemi, Mitsuaki; Tia, Banty; Castagnola, Elisa; Ansaldo, Alberto; Sato, Kenta; Awiszus, Friedemann; Seki, Kazuhiko; Ricci, Davide; Fadiga, Luciano; Iriki, Atsushi; Ushiba, Junichi

Accurate motor mapping in awake common marmosets using micro-electrocorticographical stimulation and stochastic threshold estimation

Journal of neural engineering - Bristol: Institute of Physics Publishing, Bd. 15.2018, 3, Art.-Nr. 036019, insges. 11 S.;

Leslie, Shirae K.; Cohen, David J.; Hyzy, Sharon L.; Dossier, Christopher R.; Nicolini, Anthony; Sedlacek, Janina; Schwartz, Zvi; Boyan, Barbara D.

Microencapsulated rabbit adipose stem cells initiate tissue regeneration in a rabbit ear defect model

Journal of tissue engineering and regenerative medicine - Hoboken, NJ [u.a.]: Wiley, Bd. 12.2018, 7, S. 1742-1753;

Meinshausen, Ann-Kathrin; Märten, Nicole; Berth, Alexander; Färber, Jacqueline; Awiszus, Friedemann; Macor, Paolo; Lohmann, Christoph H.; Bertrand, Jessica

The terminal complement pathway is activated in septic but not in aseptic shoulder revision arthroplasties

Journal of shoulder and elbow surgery - St. Louis, Mo: Mosby, Bd. 27.2018, 10, S. 1837-1844;

[Imp.fact.: 2.849]

Stärke, Christian; Lohmann, Christoph H.; Kopf, Sebastian

Stiffness of meniscus tissue depends on tibio-femoral load and structural integrity of the meniscus root

Proceedings of the Institution of Mechanical Engineers / H - London: Sage Publ, Bd. 232.2018, 4, S. 418-422;

Stärke, F.; Awiszus, Friedemann; Lohmann, Christoph H.; Stärke, Christian

The effect of irrigation time and type of irrigation fluid on cartilage surface friction

Journal of the mechanical behavior of biomedical materials - Amsterdam [u.a.]: Elsevier, Bd. 77.2018, S. 187-191;

[Imp.fact.: 3.239]

Warnecke, Daniela; Stein, Svenja; Haffner-Luntzer, Melanie; Roy, Luisa; Skaer, Nick; Walker, Robert; Kessler, Oliver; Ignatius, Anita; Dürselen, Lutz

Biomechanical, structural and biological characterisation of a new silk fibroin scaffold for meniscal repair

Journal of the mechanical behavior of biomedical materials - Amsterdam [u.a.]: Elsevier, Bd. 86.2018, S. 314-324;

Abstracts

Bertrand, Jessica; Kräft, Tabea; Nitschke, Yvonne; Rutsch, Frank; Liote, Frederic; Pap, Thomas

BCP crystals drive chondrocyte hypertrophic differentiation via binding WNT ligands and activation of canonical WNT signaling

Osteoarthritis and cartilage - [S.l.]: Elsevier, Bd. 26.2018, Suppl. 1, S. S62-S63;

[Imp.fact.: 5.454]

Bollmann, Miriam; Colombo, Federico; Macor, Paolo; De Maso, Luca; Brandstädter, Knut; Lohmann, Christoph H.; Bertrand, Jessica

Inhibition of the complement system component C5 as possible treatment in OA

Osteoarthritis and cartilage - [S.l.]: Elsevier, Bd. 26.2018, Suppl. 1, S. S108;

[Imp.fact.: 5.454]

Sherwood, Joanna; Sambale, Meike; Bertrand, Jessica; Dell'Accio, Francesco; Pap, Thomas

Transient receptor potential cation channel (TRPC6) as a regulator of CXCR2-mediated articular cartilage homeostasis

Osteoarthritis and cartilage - [S.l.]: Elsevier, Bd. 26.2018, Suppl. 1, S. S96-S97;

[Imp.fact.: 5.454]

Stolberg-Stolberg, Josef; Böttcher, Annika; Sherwood, Joanna; Sambale, Meike; Raschke, Michael; Pap, Thomas; Bertrand, Jessica

Programmed cell death and toll-like receptor activation in articular cartilage

Osteoarthritis and cartilage - [S.l.]: Elsevier, Bd. 26.2018, Suppl. 1, S. S70-S71;

[Imp.fact.: 5.454]

Sühn, Thomas; Döring, Joachim; Bertrand, Jessica; Lohmann, Christoph H.; Shetty, Sagar; Boese, Axel; Friebe, Michael

Initial results on energy harvesting by exploiting the temperature gradient in hip implants

Biomedical engineering: joint journal of the German Society for Biomedical Engineering in VDE and the Austrian and Swiss Societies for Biomedical Engineering - Berlin [u.a.]: de Gruyter, Vol. 63.2018, Suppl.1, Abstract P 065, S. S364;

[Poster session; Kongress: BMT 2018, Aachen, September 26-28, 2018]

[Imp.fact.: 1.088]

Dissertationen

Lippisch, Roland; Pap, Géza [GutachterIn]; Draijer, Fred [GutachterIn]

Biomechanische Untersuchung der Zugkräfte an refixierten Hinterhornwurzeln des Innenmeniskus
Magdeburg: Otto-von-Guericke-Universität Magdeburg, 2018, 1 ungezähltes Blatt, 3-65 Blätter, Illustrationen,
Diagramme