

DiDomenico, Chris D., Zhen Xiang Wang, and Lawrence J. Bonassar. "Cyclic mechanical loading enhances transport of antibodies into articular cartilage." *Journal of Biomechanical Engineering* 139.1 (2017): 011012

- **Link:** <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=d5d1957a31d9996f798b38a25164a9db85f66270>
 - **Product(s):** Hock joint cartilage (bovid)
 - **Image Link:** <https://i.gyazo.com/bcac2dbe56162ee7af87d5b4a9f4d475.png>
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The degradation of chondrogenic pellets using cocultures of synovial fibroblasts and U937 cells

Authors: Dominick J Blasioli, Gloria L Matthews, David L Kaplan

- **Link:** <https://pmc.ncbi.nlm.nih.gov/articles/PMC3877671/>
 - **Product(s):** Human synovium
 - **Image Link:** <https://i.gyazo.com/55b31118c4b53fb71f0294e8952ad887.png>
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Design and Biological Evaluation of Colchicine-CD44-Targeted Peptide Conjugate in an In Vitro Model of Crystal Induced Inflammation

Authors: Zoghebi, Khalid A; Bousoik, Emira; Parang, Keykavous; Elsaid, Khaled A. (*Molecules*, 2020)

- **Link:** <https://www.proquest.com/docview/2548998269?sourcetype=Scholarly%20Journals>
 - **Product(s):** Normal SF aspirates
 - **Image Link:** <https://i.gyazo.com/c233bc2d82b23d58ee7bc242397c91d6.png>
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Prodrug Nanomedicine for Synovium Targeted Therapy of Inflammatory Arthritis: Insights from Animal Model and Human Synovial Joint Fluid

Authors: Zeynab Nosrati, Yun An Chen, Marta Bergamo, Cristina Rodríguez-Rodríguez, et al.

- **Link:** <https://onlinelibrary.wiley.com/doi/pdf/10.1002/adhm.202401936>
 - **Product(s):** Normal SF specimens
 - **Image Link:** <https://i.gyazo.com/6ca6911a971205eca17b8c6bf0e203e8.png>
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Continuous low-intensity ultrasound attenuates IL-6 and TNF α -induced catabolic effects and repairs chondral fissures in bovine osteochondral explants

Authors: Neety Sahu, Hendrik J. Viljoen, Anuradha Subramanian

- **Link:** <https://link.springer.com/content/pdf/10.1186/s12891-019-2566-4.pdf>
 - **Product(s):** Bovine osteochondral explants
 - **Image Link:** <https://i.gyazo.com/0588ab1aee073adbad3abea449c3a742.png>
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Novel Protein Therapeutic Joint Retention Strategy Based on Collagen-Binding Avimers

Authors: Joanne T. Hulme,¹ Warren N. D'Souza,² Helen J. McBride,² Bo-Rin Park Yoon,¹ Angela M. Willee,² Amy Duguay, et al

- **Link:** <https://onlinelibrary.wiley.com/doi/pdfdirect/10.1002/jor.23756>
 - **Product(s):** Non-diseased human cartilage explants
 - **Image Link:** <https://i.gyazo.com/8c57785765d48cc9b433259ec8ea19c6.png>
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Lithium chloride prevents interleukin-1 β induced cartilage degradation and loss of mechanical properties

Authors: Clare L. Thompson, Habiba Yasmin, Anna Varone, Anna Wiles, C. Anthony Poole, Martin M. Knight

- **Link:** <https://onlinelibrary.wiley.com/doi/full/10.1002/jor.22913>
 - **Product(s):** Human chondrocytes
 - **Image Link:** <https://i.gyazo.com/d516b5a454396dd18ae572804c6c16a6.png>
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Influence of Periostin on Synoviocytes in Knee Osteoarthritis

Authors: YUTARO TAJIKA¹, TATSUYA MOUE¹, SHINTARO ISHIKAWA¹, KAZUHITO ASANO¹, TAKAYUKI OKUMO¹, HIROSHI TAKAGI ² and TADASHI HISAMITSU

- **Link:** <https://iv.iarjournals.org/content/invivo/31/1/69.full.pdf>
 - **Product(s):** Synoviocyte growth medium M2700-HS, Human cryopreserved synoviocytes OA
 - **Image Link:** <https://i.gyazo.com/5dfd3a489aad6d23043ea4ec7e79b8c6.png>
 - **Image Link:** <https://i.gyazo.com/00f382d25b2e87ce374a8604537decd0.png>
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Dehydrated human amniotic membrane modulates canonical Wnt signaling in multiple cell types in vitro

Authors: Sarah E. Moreno, Michelle Masee, Heather Bara, Thomas J. Koob

- **Link:** <https://www.sciencedirect.com/science/article/pii/S0171933521000194>
 - **Product(s):** Synoviocyte basal medium
 - **Image Link:** <https://i.gyazo.com/4dc740d4b702d844c5aaf01f31352dab.png>
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BIOREGULATION OF LUBRICIN EXPRESSION BY GROWTH FACTORS AND CYTOKINES

Authors: ARC Jones, CR Flannery

- **Link:** <https://www.ecmjournal.org/papers/vol013/pdf/v013a04.pdf>
 - **Product(s):** Normal human synoviocytes
 - **Image Link:** <https://i.gyazo.com/3dd5ba4538beb9637c9ae4f46456df08.png>
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The interaction of lubricin/proteoglycan 4 (PRG4) with toll-like receptors 2 and 4: an anti-inflammatory role of PRG4 in synovial fluid

Authors: Ali Alquraini, Steven Garguilo, Gerard D'Souza, Ling X. Zhang, Tannin A. Schmidt, Gregory D. Jay and Khaled A. Elsaid

- **Link:** <https://link.springer.com/content/pdf/10.1186/s13075-015-0877-x.pdf>
 - **Product(s):** Synovial fluid
 - **Image Link:** <https://i.gyazo.com/9cdfcfd8631622d21cc4b33d20703758.png>
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Transcriptome Dynamics of Long Non-Coding RNAs and Transcription Factors Demarcate Human Neonatal, Adult, and hMSC-derived Engineered Cartilage

Authors: Daniel J Vail 1, Rodrigo A Somoza 2, Arnold I Caplan 2, Ahmad M Khalil

- **Link:** https://pmc.ncbi.nlm.nih.gov/articles/PMC6992527/#_ad93_
 - **Product(s):** Snap frozen adult AC
 - **Image Link:** <https://i.gyazo.com/b666d5eaf8166b1b3d89fe160658eb09.png>
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Application of global metabolomic profiling of synovial fluid for osteoarthritis biomarkers

Authors: Alyssa K. Carlson a b, Rachel A. Rawle a c, Erik Adams d, Mark C. Greenwood e, Brian Bothner a f, Ronald K. June a b g

- **Link:** <https://www.sciencedirect.com/science/article/abs/pii/S0006291X18306090>
 - **Product(s):** Synovial fluid
 - **Image Link:** <https://i.gyazo.com/8c87505fb6fa4c6516a13cbea5d93fbf.png>
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Quality Evaluation of Human Bone Marrow Mesenchymal Stem Cells for Cartilage Repair

Authors: Katsunori Shiraishi,1 Naosuke Kamei,1,2 Shunsuke Takeuchi,3 Shinobu Yanada,3 Hisashi Mera,4 Shigeyuki Wakitani,5 Nobuo Adachi,1 and Mitsuo Ochi1

- **Link:** <https://onlinelibrary.wiley.com/doi/pdf/10.1155/2017/8740294>
 - **Product(s):** Total RNA
 - **Image Link:** <https://i.gyazo.com/18e1e2bb0cadca22f28d8d2c72acee74.png>
-

Regional Differential Genetic Response of Human Articular Cartilage to Impact Injury

Authors: Lauren L. Vernon^{1,2}, Danica D. Vance^{2,3}, Liyong Wang, Evadnie Rampersaud³, Jeffery M. Vance³, Margaret Pericak-Vance³, C.-Y. Charles Huang¹ and Lee D. Kaplan

- **Link:** <https://journals.sagepub.com/doi/pdf/10.1177/1947603515618483>
- **Product(s):** Human knee articular cartilage (chondrocytes)
- **Image Link:** <https://i.gyazo.com/7b36cdf766f72d0eca8978c77d056d18.png>

Osteoarthritic Milieu Affects Adipose-Derived Mesenchymal Stromal Cells

Authors: Cristina Manfredini, 1 Francesca Paoletta, 1 Elena Gabusi, 1 Luca Cattini, 1 Markus Rojewski 2,3
Hubert Schrezenmeier, 2,3 Olga Addimanda, 4 Riccardo Meliconi, 4,5 Gina Lisignoli

- **Link:** <https://onlinelibrary.wiley.com/doi/pdf/10.1002/jor.24446>
 - **Product(s):** Synovial fluid
 - **Image Link:** <https://i.gyazo.com/d2e1d1e061abbd0baa037ad0515b03d1.png>
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Normal platelet function in platelet concentrates requires non-platelet cells: a comparative in vitro evaluation of leucocyte-rich (type 1a) and leucocytepoor (type 3b) platelet concentrates

Authors: William R Parrish, 1 Breana Roides, 1 Julia Hwang, 1 Michael Mafilios, 2
Brooks Story, 1 Samir Bhattacharyya 1

- **Link:** <https://bmjopensem.bmj.com/content/bmjosem/2/1/e000071.full.pdf>
 - **Product(s):** Human patellar tendon fibroblasts
 - **Image Link:** <https://i.gyazo.com/f674f5e8fd8bf6cf3538f2b9828a49ba.png>
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Impaired chondrocyte U3 snoRNA expression in osteoarthritis impacts the chondrocyte protein translation apparatus

Authors: Ellen G. J. Ripmeester¹, Marjolein M. J. Caron¹, G. G. H. van den Akker¹, Don A. M. Surtel¹,
Andy Cremers¹, Panagiotis Balaskas³, Philip Dyer³, Bas A. C. Housmans¹, Albeta Chabronova¹, Aibek Smagul³,
Yongxiangang³, Lodewijk W. van Rhijn^{1,2},
Mandy J. Pefers^{3,4} & Tim J. M. Welting^{1,2,4}

- **Link:** <https://www.nature.com/articles/s41598-020-70453-9.pdf>
 - **Product(s):** Synovial fluid
 - **Image Link:** <https://i.gyazo.com/93ed9e557b50fc3f7e08347312b1561b.png>
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CD146 Defines Commitment of Cultured Annulus Fibrosus Cells to Express a Contractile Phenotype

Authors: Tomoko Nakai, 1 Daisuke Sakai, 1,2,3 Yoshihiko Nakamura, 2 Tadashi Nukaga, 1 Sibylle Grad, 3,4 Zhen Li, 3,4 Mauro Alini, 3,4 Danny Chan, 3,5 Koichi Masuda, 6 Kiyoshi Ando, 2 Joji Mochida, 1,2 Masahiko Watanabe

- **Link:** <https://onlinelibrary.wiley.com/doi/pdfdirect/10.1002/jor.23326>
 - **Product(s):** Intervertebral discs
 - **Image Link:** <https://i.gyazo.com/25cfc3832ae9551c28da0fb22b2a85d2.png>
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Expression levels and DNA methylation profiles of the growth gene SHOX in cartilage tissues and chondrocytes
Authors: Atsushi Hattori^{1,2}, Atsuhito Seki³, Naoto Inaba³, Kazuhiko Nakabayashi⁴, Kazuo Takeda⁵, Kuniko Tatsusumi⁶, Yasuhiro Naiki⁷, Akie Nakamura¹, Keisuke Ishiwata⁴, Kenji Matsumoto⁵, Michiyo Nasu⁶, Kohji Okamura⁸, Toshimi Michigami⁹, Yuko Katoh-Fukui¹, Akihiro Umezawa⁶, Tsutomu Ogata^{10,11}, Masayo Kagami¹ & Maki Fukami¹

- **Link:** <https://www.nature.com/articles/s41598-024-58530-9.pdf>
 - **Product(s):** Human Cartilage Tissue CDD-H-6000-N-1G-R and CDD-H-6000-N-1G-F
 - **Image Link:** <https://i.gyazo.com/1e7623cd05909e379c867315058210f8.png>
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High Mobility Group Box-1 Induces Pro-Inflammatory Signaling in Human Nucleus Pulposus Cells via Toll-Like Receptor 4-Dependent Pathway

Authors: Bhranti S. Shah,¹ Kevin G. Burt,^{1,2} Timothy Jacobsen,^{1,2} Tiago D. Fernandes,³ Didier Olivier Alipui,³ Kathryn T. Weber,⁴ Mitchell Levine,⁵ Sangeeta S. Chavan,^{3,6} Huan Yang,^{3,6} Kevin J. Tracey,^{3,6} Nadeen O. Chahine,^{1,2}

- **Link:** <https://onlinelibrary.wiley.com/doi/pdf/10.1002/jor.24154>
 - **Product(s):** Human NP cells
 - **Image Link:** <https://i.gyazo.com/1bb0558361001c9ea15b6a82d3204ed1.png>
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Decay-Accelerating Factor Differentially Associates With Complement-Mediated Damage in Synovium After Meniscus Tear as Compared to Anterior Cruciate Ligament Injury

Authors: V Michael Holers ¹, Rachel M Frank ², Michael Zuscik ², Carson Keeter ², Robert I Scheinman ³, Christopher Striebich ¹, Dmitri Simberg ³, Michael R Clay ⁴, Larry W Moreland ^{1,2}, Nirmal K Banda ¹

- **Link:** <https://pmc.ncbi.nlm.nih.gov/articles/PMC11076301/>
 - **Product(s):** Synovial tissues
 - **Image Link:** <https://i.gyazo.com/ede04687beffc16adb7dd336d34254c6.png>
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Lithium chloride modulates chondrocyte primary cilia and inhibits Hedgehog signaling

Authors: Clare L. Thompson, Anna Wiles, C. Anthony Poole, Martin M. Knight

- **Link:** <https://faseb.onlinelibrary.wiley.com/doi/full/10.1096/fj.15-274944>
 - **Product(s):** Human chondrocytes
 - **Image Link:** <https://i.gyazo.com/49c089cf331692094fcd29189e65a7e5.png>
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Polycystin-2 Is Required for Chondrocyte Mechanotransduction and Traffics to the Primary Cilium in Response to Mechanical Stimulation

Authors: Clare L Thompson ^{1,*}, Megan McFie ¹, J Paul Chapple ², Philip Beales ³, Martin M Knight ¹

- **Link:** <https://pmc.ncbi.nlm.nih.gov/articles/PMC8122406/#sec4-ijms-22-04313>
- **Product(s):** Human chondrocytes N
- **Image Link:** <https://i.gyazo.com/dab4554a049d220c348b39e61d7623fe.png>