

# Stanford

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## Masakazu Toya

Postdoctoral Scholar, Orthopedic Surgery

### Bio

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#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Japanese Orthopaedic Association (2012 - present)
- Member, Japan College of Rheumatology (2017 - present)
- Member, Japanese Society of Cartilage Metabolism (2017 - present)
- Member, Orthopaedic Research Society (2019 - present)
- Member, Japanese Society of Inflammation and Regeneration (2021 - present)

#### PROFESSIONAL EDUCATION

- Master of Medicine, Kyushu University (2021)
- Doctor of Medicine, Kyushu University (2012)
- Doctor of Philosophy, Kyushu University (2021)
- Doctor of Medicine, Kyushu University (2012)
- Ph.D., Graduated school of Kyushu University, School of Medicine (Fukuoka, Japan) (2021)
- Board Certification, Rheumatologist of the Japanese Orthopaedic Association (2020)
- Board Certification, Japanese Orthopaedic Association (2019)
- M.D., Kyushu University, School of Medicine (Fukuoka, Japan) (2012)

#### STANFORD ADVISORS

- Stuart Goodman, Postdoctoral Faculty Sponsor

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Rheumatoid Arthritis, Cartilage Metabolism

### Publications

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#### PUBLICATIONS

- **Ageing attenuates bone healing by mesenchymal stem cells in a microribbon hydrogel with a murine long bone critical-size defect model.** *Immunity & Ageing* : I & A  
Hirata, H., Zhang, N., Ueno, M., Barati, D., Kushioka, J., Shen, H., Tsubosaka, M., Toya, M., Lin, T., Huang, E., Yao, Z., Wu, J. Y., Zwingenberger, et al  
2022; 19 (1): 14
- **Factors affecting patient satisfaction related to cost and treatment effectiveness in rheumatoid arthritis: results from the multicenter observational cohort study, FRANK Registry** *ARTHRITIS RESEARCH & THERAPY*  
Fujiwara, T., Kondo, M., Yamada, H., Haraguchi, A., Fujimura, K., Sakuraba, K., Kamura, S., Fukushi, J., Miyahara, H., Inoue, Y., Tsuru, T., Shuto, T., Yoshizawa, et al

2022; 24 (1): 53

- **C10orf10/DEPP activates mitochondrial autophagy and maintains chondrocyte viability in the pathogenesis of osteoarthritis** *FASEB JOURNAL*  
Kuwahara, M., Akasaki, Y., Kurakazu, I., Sueishi, T., Toya, M., Uchida, T., Tsutsui, T., Hirose, R., Tsushima, H., Teramura, T., Nakashima, Y.  
2022; 36 (2): e22145
- **TGF#1 signaling protects chondrocytes against oxidative stress via FOXO1-autophagy axis.** *Osteoarthritis and cartilage*  
Kurakazu, I., Akasaki, Y., Tsushima, H., Sueishi, T., Toya, M., Kuwahara, M., Uchida, T., Lotz, M. K., Nakashima, Y.  
2021; 29 (11): 1600-1613
- **G protein-coupled receptor kinase 5 deletion suppresses synovial inflammation in a murine model of collagen antibody-induced arthritis** *SCIENTIFIC REPORTS*  
Toya, M., Akasaki, Y., Sueishi, T., Kurakazu, I., Kuwahara, M., Uchida, T., Tsutsui, T., Tsushima, H., Yamada, H., Lotz, M. K., Nakashima, Y.  
2021; 11 (1): 10481
- **Dedifferentiated low-grade central osteosarcoma with extensive cystic change initially treated as a simple bone cyst** *PATHOLOGY RESEARCH AND PRACTICE*  
Toya, M., Yamada, Y., Yokoyama, R., Taguchi, K., Nabeshima, K., Isayama, T., Oda, Y.  
2020; 216 (4): 152832
- **GRK5 Inhibition Attenuates Cartilage Degradation via Decreased NF-kappa B Signaling** *ARTHRITIS & RHEUMATOLOGY*  
Sueishi, T., Akasaki, Y., Goto, N., Kurakazu, I., Toya, M., Kuwahara, M., Uchida, T., Hayashida, M., Tsushima, H., Bekki, H., Lotz, M. K., Nakashima, Y.  
2020; 72 (4): 620-631
- **FOXO1 transcription factor regulates chondrogenic differentiation through transforming growth factor beta 1 signaling** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Kurakazu, I., Akasaki, Y., Hayashida, M., Tsushima, H., Goto, N., Sueishi, T., Toya, M., Kuwahara, M., Okazaki, K., Duffy, T., Lotz, M. K., Nakashima, Y.  
2019; 294 (46): 17555-17569