

Resource Summary Report

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BioRobotics Laboratory

RRID:SCR_007176

Type: Tool

Proper Citation

BioRobotics Laboratory (RRID:SCR_007176)

Resource Information

URL: <http://biorobotics.org>

Proper Citation: BioRobotics Laboratory (RRID:SCR_007176)

Description: This is portal takes you to the BioRobotics Laboratory website. Keywords: Laboratory, Software, Robot, Robotics, Biology,

Synonyms: BioRobotics

Resource Type: data or information resource, organization portal, portal, laboratory portal

Resource Name: BioRobotics Laboratory

Resource ID: SCR_007176

Alternate IDs: nif-0000-30189

Record Creation Time: 20220129T080240+0000

Record Last Update: 20260811T043312+0000

Ratings and Alerts

No rating or validation information has been found for BioRobotics Laboratory.

No alerts have been found for BioRobotics Laboratory.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 84 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Palma Kries L, et al. (2026) The meniscomfemoral ligaments do not contribute to restriction of posterior tibial translation: A robotic biomechanical analysis. Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA, 34(3), 873.

Di Gianfrancesco L, et al. (2026) The core aquablation pentapecta: a five-domain composite definition of procedural success and learning curve validation in 300 consecutive cases. Journal of robotic surgery, 20(1).

Patern?? L, et al. (2026) Unsegmented marine annelids as biomechanical models for soft robotics. Scientific reports, 16(1).

Deichsel A, et al. (2025) The central fibre areas in the tibial footprint of the posterior cruciate ligament show the highest contribution to restriction of a posterior drawer force-A biomechanical robotic investigation. Journal of experimental orthopaedics, 12(1), e70174.

Deichsel A, et al. (2025) Specific fibre areas in the femoral footprint of the posterior cruciate ligament act as a major contributor in resisting posterior tibial displacement: A biomechanical robotic investigation. Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA, 33(6), 2010.

Wurster V, et al. (2025) Reflectometric-based sensor arrays for the screening of kinase-inhibitor interactions and kinetic determination. Analytical and bioanalytical chemistry, 417(30), 6811.

Khan MMR, et al. (2025) Investigating a Telerehabilitation Platform Integrated With a Rehabilitation Robot Using Microsoft HoloLens 2 for Upper-Limb Therapy: Pilot Usability Study. JMIR rehabilitation and assistive technologies, 12, e75907.

Crowley JD, et al. (2025) Biomechanical implications of lumbar intervertebral disc fenestration in rabbits: Comparison of ex vivo and in vivo conditions as an experimental model for chondrodystrophic dogs with type 1 intervertebral disc disease. Veterinary surgery : VS, 54(8), 1635.

Bruel A, et al. (2025) Role and modulation of various spinal pathways for human upper limb control in different gravity conditions. PLoS computational biology, 21(1), e1012069.

Milstrey A, et al. (2025) Assessing the Need for Additional Syndesmotomic Stabilization in Open Reduction of the Posterior Malleolus: A Biomechanical Study. The Journal of bone and joint surgery. American volume, 107(12), 1377.

Deichsel A, et al. (2025) Restriction of Posterior Tibial Translation During the Posterior Drawer Test in Internal or External Rotation Is Dependent on Peripheral Stabilizers of the Knee: A Biomechanical Robotic Investigation. The American journal of sports medicine, 53(5), 1077.

Zakir S, et al. (2025) Evaluation of fatigue progression during overhead tasks and the effects of exoskeleton assistance. Wearable technologies, 6, e23.

Bruel A, et al. (2024) The spinal cord facilitates cerebellar upper limb motor learning and control; inputs from neuromusculoskeletal simulation. *PLoS computational biology*, 20(1), e1011008.

Mustieles-Del-Ser P, et al. (2024) Immunoanalytical Detection of Conserved Peptides: Refining the Universe of Biomarker Targets in Planetary Exploration. *Analytical chemistry*, 96(12), 4764.

Ferrari A, et al. (2024) Nursing and midwifery simulation training with a newly developed low-cost high-fidelity placenta simulator: a collaboration between Italy and Ethiopia. *BMC medical education*, 24(1), 1191.

Gloger S, et al. (2024) Perioperative Rates of Incidental Prostate Cancer after Aquablation and Holmium Laser Enucleation of the Prostate. *Urologia internationalis*, 108(5), 449.

Deichsel A, et al. (2024) A Flat Reconstruction of the Medial Collateral Ligament and Anteromedial Structures Restores Native Knee Kinematics: A Biomechanical Robotic Investigation. *The American journal of sports medicine*, 52(13), 3306.

Penna MF, et al. (2024) A muscle synergies-based controller to drive a powered upper-limb exoskeleton in reaching tasks. *Wearable technologies*, 5, e14.

Rahman M, et al. (2024) Development of a Three-Finger Adaptive Robotic Gripper to Assist Activities of Daily Living. *Designs*, 8(2).

Grazi L, et al. (2024) Passive shoulder occupational exoskeleton reduces shoulder muscle coactivation in repetitive arm movements. *Scientific reports*, 14(1), 27843.