

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

Resource Name: BioRobotics Laboratory

Resource ID: SCR_007176

Alternate IDs: nif-0000-30189

Record Creation Time: 20220129T080240+0000

Record Last Update: 20260805T044147+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 81 mentions in open access literature.

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

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.

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.

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.

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.

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.

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 Syndesmotic Stabilization in Open Reduction of the Posterior Malleolus: A Biomechanical Study. *The Journal of bone and joint surgery. American volume*, 107(12), 1377.

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

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.

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.

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

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.

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.

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

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.

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

Romano D, et al. (2023) How aggressive interactions with biomimetic agents optimize reproductive performances in mass-reared males of the Mediterranean fruit fly. *Biological cybernetics*, 117(3), 249.

Tannous M, et al. (2023) A Deep-Learning-Based Detection Approach for the Identification of Insect Species of Economic Importance. *Insects*, 14(2).

Morales LD, et al. (2023) Acidic pH modulates *Burkholderia cenocepacia* antimicrobial susceptibility in the cystic fibrosis nutritional environment. *Microbiology spectrum*, 11(6), e0273123.