Bioengineering UG Students are underlined. Presenter is in bold.

**Bai Y, Marco NR, Jia W, Zhang H, Mao ZH, Zgibor J, Burke L, Albert S, Newman AB, Sun M.**
Electronic platform for automatic short performance physical battery (SPPB) test.

Molecularly responsive biomaterials based on DNA-crosslinked hydrogels: assembly and applications.

**Bianconi PA, Gottardi RL, Ulici V, Little SR, Tuan RS.**
Preventing articular cartilage calcification by the controlled release of dorsomorphin.

**Bruk L, Snyder N, Cui XT, Zhao Y, Ibrahim T.**
Synthesis and characterization of magnetic nanoparticles for drug delivery to central nervous system.

**Brunette GB, Kozai TDY, Jaquins-Gerstl A, Vazquez A, Michael A, Cui XT.**
Dexamethasone attenuates immediate microglial responses to brain microdialysis in vivo as revealed by two-photon microscopy.

**Calvert JS, Sombric CJ, Torres-Oviedo G.**
Uphill walking enhances the retention of a new stepping pattern learned on a split-belt treadmill.

**Catt K, Cui XT, Li H.**
Investigating the effect of conducting polymer graphene oxide composite coatings on magnesium corrosion.

**Cugini AV, Cashmere D, Buysse DJ, Miewald J.**
Detecting electrophysiologic abnormalities in insomnia using detrended fluctuation analysis.

**D’Aloiso BD, Madhani SP, Frankowski BJ, Federspiel WJ.**
Darcy permeability characterization of PMP hollow fiber membrane bundles.

**Pedersen D, Jamiołkowski M, Kameneva M, Antaki J, Wagner W.**
Real-time visualization of platelet deposition onto Ti6Al4V in disturbed flow geometries.

**Griffin MT, Grzywinski MF, Olia SE, Kameneva MV.**
Ex vivo assessment of a novel inflow cannula for pediatric continuous-flow ventricular assist devices.
Harker HM, Sombric CJ, Sparto PJ, Torres-Oviedo G.
Older adults learn equally from large and small errors during split-belt locomotor adaptation.

Kendell PE, Farrokhi SS.
Quantifying tibiofemoral joint contact forces in patients with knee osteoarthritis using OpenSim.

Knewtson ME, Merrill ZF, Cham R, Chambers AJ.
Body segment parameters in normal weight versus obese young females.

Hand held force magnifier for microsurgery.

Marra L, Minteer D, Marra KG.
Adipose stem cell suspension in keratin hydrogel for nervous tissue regeneration.

Moore A, Gutierrez E, Groisman A, Sundd P.
In vitro endothelialized microfluidic assay to study pulmonary vaso-occlusion in sickle cell disease.

Jackson O, Patil A, Beniash E.
Self assembled organosilane coatings for resorbable devices.

Patil M, Gottardi R, Ulici V, Little SR, Tuan RS.
Three dimensional cell culture effects on chondrogenesis of kartogenin-treated hMSCs.

Pezzone DJ, Krawiec JT, Weinbaum JS, Rubin JP, Vorp DA.
Adipose-derived stem cells from diabetic patients display a pro-thrombogenic phenotype.

The collagen microstructure of the peripapillary sclera changes with distance from the lamina cribrosa.

Srinivasachar DN, Prest TA, Brown BN.
Mechanical characterization of extracellular matrix hydrogels for peripheral nerve reconstruction.

Wang Y, Smith SH, Shroff SG.
Biophysical mechanisms underlying increased cardiac contraction by myofilament acetylation.
West TW, Anderst WA, Donaldson WD, Lee JL, Kang JK.
Single-level cervical fusion does not increase range of motion in adjacent segments during head rotation.

Weston E, Muncy B, Tomashek D, Keenan K, Smith R, Beschorner K.
Adapting gait to multifocal-lens glasses improves stepping accuracy in novice wearers.