Aims and objectives of this session
Cell-based therapy, genetics, receptors and channels...the story continues.

Poster viewing of 20 minutes. Presentations will take place on stage. Standard presentations are 2 minutes in length, followed by 2 minutes for discussion. Extended presentations (+) are 3 minutes in length, followed by 3 minutes for discussion.

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The inhibitory effect of neuropeptide Y Y1 receptor agonist on micturition reflex in rats
By: Honda M.¹, Yoshimura N.², Kiniura Y.¹, Kawamoto B.¹, Tsounapi P.¹, Hikita K.¹, Shimizu S.³, Shimizu T.⁴, Saito M.⁵, Chancellor M.⁶, Takenaka A.¹
Institutes: ¹Tottori University Faculty of Medicine, Dept. of Urology, Yonago, Japan, ²University of Pittsburgh, Dept. of Urology, Pittsburgh, United States of America, ³Kochi Medical School, Dept. of Pharmacology, Nankoku, Japan, ⁴William Beaumont Hospital, Dept. of Urology, Royal Oak, United States of America

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Development of neurogenic detrusor overactivity is prevented by early bladder afferent desensitization in spinal cord injured rats
By: Oliveira R.¹, Coelho A.¹, Cruz F.², Cruz C.¹
Institutes: ¹Faculty of Medicine, University of Porto, Institute For Innovation and Health Research, Dept. of Biomedicine, Translational NeuroUrology Group, Porto, Portugal, ²Hospital São João, Porto, Institute For Innovation and Health Research, Translational NeuroUrology Group, Porto, Portugal

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Effects of neurotrophins and bladder tissue on neurite outgrowth in cultured mouse pelvic ganglia
By: Zhu B.¹, Ekman M.¹, Zeng J.², Śwärk K.¹, Uvelius B.³
Institutes: ¹Lund University, Dept. of Experimental Medical Science, Lund, Sweden, ²The Sixth Affiliated Hospital of Guangzhou Medical University, Dept. of Urology, Qingyuan, China, ³Lund University, Dept. of Urology, Clinical Sciences, Lund, Sweden

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Corresponding microRNA and mRNA expression profiles in a mouse model of bladder outlet obstruction and human patients' biopsies
By: Monastyrskaya K.¹, Köck I.², Vasquez E.³, Hashemi Gheinani A.², Baumgartner U.², Sack B.³, Lukianov S.³, Burkhard F.¹, Adam R.³
Institutes: ¹University Hospital Bern, Dept. of Urology, Bern, Switzerland, ²Urology Research Laboratory, Dept. of Clinical Research, Bern, Switzerland, ³Urological Diseases Research Center, Boston Children’s Hospital, Boston, United States of America, ⁴Institute of Pathology, Dept. of Molecular Pathology, Bern, Switzerland

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Imaging human skeletal muscle regeneration after stem cell application for sphincter reconstruction using diffusion tensor imaging (DTI) and magnetisation transfer (MT) measurements
By: Keller D.¹, Eberhardt C.², Rottmar M.², Haralampieva D.¹, Sulser T.¹, Boss A.², Eberli D.¹
Institutes: ¹University Hospital Zurich, Dept. of Urology, Zürich, Switzerland, ²University Hospital Zurich, Institute for Diagnostic and Interventional Radiology, Zürich, Switzerland

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In vivo evaluation of the effectiveness of an innovative technology for the recovery of erectile dysfunction

dysfunction after radical prostatectomy
By: Skoufias S., Adamakis I., Levis P., Stergiopoulos N., Araujo Fraga Da Silva R., Papaioannou T.G., Constantiniades C.
Institutes: Laiko Hospital, Dept. of Urology, Goudi - Athens, Greece, Ecole Polytechnique Federale De Lausanne, Institute of Bioengineering, Lausanne, Switzerland, Hippokration Hospital, Biomedical Engineering Unit, First Dept. of Cardiology, Athens, Greece

309 Serotonin paraneuronal cells in the urethral epithelium of human and rodents: Expression and function
By: Coelho A., Oliveira R., Cavaleiro H., Cruz C.D., Cruz F.
Institutes: Hospital S. Joao, IBMC and I3S, University of Porto, Dept. of Urology, Porto, Portugal, Faculty of Medicine, IBMC and I3S, University of Porto, Dept. of Biomedicine, Porto, Portugal

310 Expression of programmed death ligand 1 in interstitial cystitis patients is correlated with bladder pain degree and hydrodistension outcome
By: Chen Y., Yu W., Yang Y., Fan Y., Wu S., Jin J.
Institutes: Peking University First Hospital, Dept. of Urology, Beijing, China

*311 Understanding the role of stem cells in urinary bladder regeneration - a preclinical study in a large animal model
Institutes: Nicolaus Copernicus University in Torun, Ludwik Rydygier Medical College, Dept. of Regenerative Medicine, Bydgoszcz, Poland, Vetlab, Brudzew, Poland

313 Urinary bladder regenerate by recruiting developmental hedgehog signaling pathway
By: Pokrywczynska M., Jundzill A., Warda K., Rasmus M., Buchholz L., Kowalski F., Drewa T.
Institutes: Nicolaus Copernicus University in Torun, Ludwik Rydygier Medical College, Dept. of Regenerative Medicine, Bydgoszcz, Poland

314 Uncovering links between metabolic syndrome and lower urinary tract symptoms suggestive of BPH at molecular level: First evidence for an involvement of the ghrelin system
Institutes: LMU Munich, Dept. of Urology, Munich, Germany

315 Pathophysiological roles of TRPA1 channel in lipopolysaccharide (LPS)-induced bladder inflammatory nociception and hypersensitivity in mice
By: Kamei J., Aizawa N., Nakagawa T., Kaneko S., Homma Y., Igawa Y.
Institutes: The University of Tokyo Graduate School of Medicine, Dept. of Contience Medicine, Tokyo, Japan, Kyoto University Hospital, Dept. of Pharmacy, Kyoto, Japan, Kyoto University, Graduate School of Pharmaceutical Sciences, Dept. of Molecular Pharmacology, Kyoto, Japan, The University of Tokyo Graduate School of Medicine, Dept. of Urology, Tokyo, Japan

316 The neurotransmitters in the periaqueductal grey matter, involved in bladder function
By: Zare A., Jahanshahi A., Rahnama'i M.S., Celine M., Van Koeveringe G.
Institutes: Maastricht UMC+, Dept. of Urology, Maastricht, The Netherlands, Maastricht University, Dept. of Neuroscience, Maastricht, The Netherlands