

Session 4 Biomedical Stereology: Advanced Technologies and Applications  
 生物医学体视学: 先进技术与应用

14:00–17:20, Saturday, **October 28**, 2023

**Location:** Room B1-11 of Great Hall / 会议中心 B1-11 会议室

**Chair:** Yang LI, Beijing Institute of Radiation Medicine

**Organizer:** Biomedicine Committee of CSS; Beijing Institute of Radiation Medicine

	Title	Reporter	Chairs
14:00–14:45	Challenges of Genome Size Measurement in Amphibians with Large Genomes	<b>Aleš Kladnik</b> , <i>University of Ljubljana, Slovenia</i>	<b>Yong TANG</b> , <i>Chongqing Medical University</i>
14:45–15:30	Selective Loss of Midbrain Dopaminergic Neurons in a Novel Rat Model of ADHD-like Hyperactivity and Impulsivity after Delayed Reward	<b>Oorscot Dorothy</b> , <i>University of Otago, New Zealand</i>	<b>Hong SHEN</b> , <i>Southern Medical University</i>
15:30–15:50	<b>Tea Break</b>		
15:50–16:35	Application of Modern Stereological Methods in the Studies of Depression	<b>Yong TANG</b> , <i>Chongqing Medical University</i>	<b>Zhiguo JIANG</b> , <i>Beihang University</i>
16:35–17:20	Length of Seminiferous Tubules or Epididymal Duct Estimated with Profile Counting or Diameter Measurement: A Stereological Comparison with Transverse and Isotropic Sections	<b>Zhengwei YANG</b> , <i>North Sichuan Medical College</i>	<b>Yaowen CHEN</b> , <i>Shantou University</i>

14:00–17:50, Sunday, **October 29**, 2023

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	Title	Reporter	Chairs
14:00–14:20	Numerical Density on Curve Surface Area and Its Potential Application	<b>Hong SHEN</b> , <i>Southern Medical University</i>	<b>Chunmeng SHI</b> , <i>Army Medical University</i> <b>Yang LI</b> , <i>Beijing Institute of Radiation Medicine</i>
14:20–14:40	Translational Implications of Heptamethine Dye Ir–780 and Its Derivatives for Tumor Detection	<b>Chunmeng SHI</b> , <i>Third Military Medical University</i>	
14:40–15:00	Pan–cancer Histopathology Whole Slide Image Representation Learning for Fine–grained Computer–aided Cancer Subtyping	<b>Yushan ZHENG</b> , <i>Beihang University</i>	
15:00–15:20	Toxicological Effect Evaluation Based on Intestinal Organoids and Their Corresponding Pathological Phenotypes	<b>Fengchao WANG</b> , <i>Chongqing Engineering Research Center for Nanomedicine</i>	
15:20–15:40	Novel Contrast Agent Enhanced, Magnetic Resonance Imaging Techniques in the Studies of Vasculature	<b>Haoyu WANG</b> , <i>Beijing Institute of Radiation Medicine</i>	
15:40–16:00	The Preventive and Therapeutic Effects of rTMS on Spermatogenesis Disorder Induced by Abscopal Effects of Cranial Irradiation	<b>Ling GUO</b> , <i>Air Force Medical University</i>	
16:00–16:20	Corneal Wound Healing Following Infrared Laser Irradiation at the Wavelengths of 1.319 $\mu\text{m}$ and 10.6 $\mu\text{m}$	<b>Luguang JIAO</b> , <i>Academy of Military Medical Science</i>	
16:20–16:40	<b>Tea Break</b>		
16:40–16:50	Leverage Diagnosis Text Data into Histopathology Whole Slide Image Analysis for Computer–Aided Cancer Diagnosis	<b>Dingyi HU</b> , <i>Beihang University</i>	<b>Huihong ZENG</b> , <i>Nanchang University</i> <b>Yushan ZHENG</b> , <i>Beihang University</i>
16:50–17:50	Panobinostat, a Deacetylase Inhibitor, Regulates Reproductive Toxicity Through Increasing Expression of P53 and SCP3 Protein	<b>Xiangying OU</b> , <i>Nanchang University</i>	
17:05–17:20	Deep Learning–based Evaluation of Segmentation Effect after Noise Reduction in OCT Images of Laser–damaged Mouse Skin	<b>Caihui LI</b> , <i>Beijing Institute of Radiation Medicine</i>	
17:20–17:35	The Roles of CD14 in Radiation Induced Intestinal Injury	<b>Xiaoyu LI</b> , <i>Beijing Institute of Radiation Medicine</i>	
17:35–17:50	The Protective and Pro–repair Effects of RMT04 on Acute Radiation Induced Intestinal Injury and Underlying Mechanism	<b>Yongyi WANG</b> , <i>Beijing Institute of Radiation Medicine</i>	