



Organized by

Shenzhen University Medical School, Shenzhen, China

Guangdong Key Laboratory for Genome Stability and Disease Prevention, Shenzhen, China

Carson International Cancer Center, Shenzhen University Medical School, Shenzhen, China

Chinese Society of Chromatin Biology, CSCB, Shanghai, China

Shenzhen University General Hospital-Dehua Hospital Joint Research Center on Precision Medicine, Dehua Hospital, Dehua, Fujian, China

Hosted by



Shenzhen University, Shenzhen, China

President of the isDDRHD-2024

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Invited speakers & session chairs:

Ari Barzilai	Tel Aviv University, Israel
Simon Boulton	The Francis Crick Institute, UK
Weihang (Valerie) Chai	Chicago Medical School of Rosalind Franklin University, USA
Vincenzo Costanzo	IFOM, Italy
Allan D'Andrea	Harvard Medical School, USA
Martin Eilers	Theodor-Boveri-Institute Biocenter, Würzburg, Germany
Sherif F El-Khamisy	University of Sheffield, UK
*Dan Fan	University of Alberta, Canada
Marco Foiani	IFOM, Italy
*Jinzheng Guo	Chinese Institutes for Medical Research, China
Ian Hickson	University of Copenhagen, Denmark
*Dave S.B. Hoon	Saint John's Cancer Institute, CA, USA
*Jinchuan Hu	Fudan University, China
Jun Huang	Zhejiang University, China
Michael Huen	University of Hong Kong, Hong Kong
Penny A. Jeggo	University of Sussex, UK
Stephen Kowalczykowski	University of California at Davis, USA
*Feng Li	Harvard Medical School, USA
#Guo-Min Li	Chinese Institutes for Medical Research, China
*Tangliang Li	Shandong University, China
*Yuwei Li	IFOM, Italy
*Shikang Liang	The University of Hong Kong, Hong Kong
Cong Liu	Sichuan University, China
Ying Liu	University of Copenhagen, Denmark
Huiqiang Lou	Shenzhen University, China
Zhenkun Lou	Mayo Clinic, USA
*Conor Lowndes	IFOM, Italy

Peter McKinnon	St. Jude Children's Research Hospital, USA
Hisao Masai	Tokyo Metropolitan Institute of Medical Science, Japan
Kyungjae Myung	Ulsan National Institute of Science & Technology, South Korea
#Feilong Meng	Shanghai Institute of Biochemistry & Cell Biology, CAS, China
Huadong Pei	Georgetown University, Washington D.C., USA
Xin-Hai Pei	Shenzhen University, China
Gerd Pfeifer	Van Andel Research Institute, USA
Sathees C. Raghavan	Indian Institute of Science, India
Tej Pandita	Texas A&M, USA
Atsushi Shibata	Gunma University, Japan
Yosef Shiloh	Tel Aviv University School of Medicine, Israel
Akira Shinohara	Osaka University, Japan
Zhou Songyang	Sun Yat-Sen University, Guangzhou, China
*Stoyno S. Stoynov	Bulgarian Academy of Sciences, Bulgaria
Bo Sun	ShanghaiTech University, China
Shunichi Takeda	Kyoto University, Japan
Xiangbo Wan	Zhengzhou University, China
*Peipei Wang	Shenzhen University, China
Zhao-Qi Wang	Shandong University at Qingdao, China
Stephen West	Francis Crick Institute, UK
Guo-Liang Xu	Shanghai Institute of Biochemistry & Cell Biology, CAS, China
Xingzhi Xu	Shenzhen University, China
Xiaochun Yu	West Lake University, China
#Jian Yuan	Tongji University, China
Yuanliang Zhai	The University of Hong Kong, China
Xiaodong Zhang	Francis Crick Institute, UK
Weixing Zhao	University of Texas Southwestern Medical Center at Dallas, USA
*Zhongwei Zhou	Sun Yat-sen University at Shenzhen, China
Wei-Guo Zhu	Shenzhen University, China
Lee Zou	Duke University, USA

*: short talk

#: invited session chair

Meeting venue

The meeting will be held at Campus library D101, 1066 Xueyuan Boulevard, Shenzhen. The building is within the Lihu campus of Shenzhen University, and is ~2200 meters north to the Genpla Hotel.



Language

The official language of the symposium is English.

Arrival

For those arriving at Shenzhen Baoan Airport, you can take a taxi to Genpla Hotel Shenzhen Nanshan, which takes ~40 min and costs approximately RMB 90 Yuans. Alternatively, you can take the subway line 11 at the airport to Qianhaiwan (前海湾) station (three stops), where you transfer to the subway line 5 to Tanglang (塘朗) station (eleven stops), take the exit A, entering Tanglangcheng Mall and follow directions to the hotel. This takes ~60 min and costs approximately RMB 7 Yuans.

We recommend that you print the following information and present it to the taxi driver.

Please take me to Genpla Hotel Shenzhen Nanshan. Tel: 86-18923459185

请把我带到塘朗地铁站附近的深铁塘朗城君璞酒店

电话：86-18923459185

Hotel:

1. All invited speakers and session chairs have pre-paid accommodation at the **Genpla Hotel Shenzhen Nanshan** (Tel: 86-18923459185, <http://www.genplahotel.com/>). The Hotel consists of high-class, international executive apartments, and is a 20-min walk from the symposium venue. All rooms offer double beds with air-conditioning, free internet access, and a free buffet breakfast for guests.

Please note that domestic and international phone calls can be made from your room at your own cost.



2. Other recommendations:

Vienna Best Sleep International Hotel of Shenzhen Tanglang Metro station branch,
Address: Metro Operation Building , Xili Liuxian Avenue , Nanshan District ,
Shenzhen. Tel: 18938096383.

深圳维也纳好眠国际酒店（塘朗地铁站店），地址：广东省深圳市南山区留仙大道地铁运营大厦。

Vienna 3 Best Hotel (Xili Nankeda Store), Address: No. 1153, Xili Xueyuan Avenue, Nanshan District, Shenzhen, China, Tel: 18312461695.

维也纳3好酒店(西丽南科大店), 地址: 深圳市南山区南山西丽学苑大道1153号。

Art Hotel (Shenzhen North Station), Address: 1st Floor, East Block, Tianyu Building, Xueyuan Avenue, Xili Town, Nanshan District, Shenzhen, Guangdong, China. Tel: 15724097772.

雅园塘朗酒店(深圳北站店), 地址: 广东省深圳市南山区西丽镇学苑大道田寮大厦东座一楼。

Binhe Yunju Boutique Apartment (Shenzhen Town Shop), Address: Town Square Block C Apartment F M (Tanglang Subway Station Exit A), Nanshan Shenzhen, Guangdong, P.R. China. , Tel: 13392430761.

滨河云居精品公寓(深圳塘朗城店), 地址: 广东省深圳市桃源街道塘朗城西区M层乐购旁C座公寓。

Hotel Reservation:

We don't provide hotel booking service for delegates, please reserve the hotel by yourself in advance. However, Special rates of these hotels have been arranged for all other attendees. Use the code "DDRHD-2024" at the time of reservation to receive conference discounted rates.

Hotel	Price(breakfast included) Single Room/ Double Room	Contact person	Phone	Other contact information
Genpla Hotel Shenzhen Nanshan	10.17—10.21 680RMB/Night (City Landscape Room with one breakfast)	Miss.Zhou	18923459185	0755-86639988
Vienna Best Sleep International Hotel	10.17—10.21 458RMB/Night (Double Room)	Mr. Wang	15919836190	0755-27776988

Vienna 3 Best Hotel (Xili Nankeda Store)	10.17—10.21 318RMB/Night (Double Room)	Mr.Tang	18194061779	0755-23888835
Art Hotel (Shenzhen North Station)	10.17—10.21 319RMB/Night (Double Room)	Mr.Lou	13510105594	0755-22233030
Binhe Yunju Boutique Apartment (Shenzhen Town Shop)	online booking		133 9243 0761	

Conference registration

- 1) Participants are responsible for own travel and accommodation expenses.
- 2) Early-bird registration fees (paid in full before Sept. 19th, 2024) are 2400 RMB (US\$ 320) for regular participant, 1600 RMB (US\$ 240) for student and 4000 RMB (US\$ 560) for business representatives. Regular (after Sept. 19th, 2024) and on-site registration fees are 3000 RMB (US\$ 400) for regular participant, 2000 RMB (US\$ 300) for student and 5000 RMB (US\$ 700) for business representatives. Students are required to present his/her student ID on-site (Registration fee includes meeting fee, meals and material fee etc.) .
- 3) Invoices for registration fee are available on site.
- 4) The on-site registration desk is open at the lobby of the Genpla Hotel between 10:00-13:00 on Oct. 17th and at the meeting venue between 14:00-18:30 on Oct. 17th and 08:30-12:30 on Oct. 18th.
- 5) If you arrive at the hotel earlier or later than these times, please check in at the hotel first and then contact conference service group to arrange your registration.

Abstract submission

- 1) Abstract submission shall be done online at <http://www.isddrhd.com/>. The length of an abstract shall be limited to 400 words and NOT more than one page.
- 2) 5-10 abstracts will be selected by the Scientific Committee for short talk.
- 3) An abstract shall be submitted by Sept. 1st, 2024, for consideration of short talk an opportunity and by Sept 19th, 2024, for poster presentation only.

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- 4) The standard poster size is 90 cm (width) x 120 cm (length). Poster printing service will be provided at a price of RMB 200 per print.

Conference presentations

Software: It is recommended that participants use Microsoft PowerPoint for their presentation. Special needs should be arranged with the symposium secretaries in advance.

Presentation files: PC-based presentations should be fully compatible on the computers in the auditorium. If your file is prepared on a Mac, please make sure that it is compatible with a PC. We recommend that you upload your presentation files to the auditorium computer before your session begins.

Timings: Each regular talk should be 15 min plus an additional 5 min for discussion.

Weather conditions

The weather in Shenzhen in October is very pleasant with a temperature ranging from 20-30°C and the air quality is one of the best in China.

Traveling in Shenzhen

Shenzhen is a modern, financial and commercial metropolis in China, located in the southern portion of the Guangdong Province and lies adjacent to Hong Kong. Shenzhen's prime location has given it a geographical advantage for economic development. In 1980, Shenzhen was designated the first Special Economic Zone (SEZs) of China. Since then, the city has rapidly developed and expanded and today is a renowned highlight of China. This bustling city is home to ~20 million people, and is famous for its rapid economic growth.

The beautiful scenery and beaches are highlight of Shenzhen, and places worth visiting are the *Xiaomeisha Beach Resort, Yangmeikeng valley and Dongchong beach*.

Shenzhen is a young city, with a 40-year history, and as such does not have as many historical attractions as other famous cities in China. However, its excellent theme parks and man-made scenic spots have succeeded in attracting many tourists. The *Window of the World* is a theme park featuring miniature-scale famous landmarks from every corner of the world. The *Splendid China - Folk Culture Village* introduces its visitors to the history, culture, art, ancient architecture, customs and habits of the various regions of China. *Shenzhen Happy Valley* is a large, modern theme park that features “*Spanish Square*”, “*Cartoon City*”, “*Mt. Adventure*”, “*Gold Mine Town*”, “*Shangri-la Woods*”, “*Sunshine Beach*”, “*Typhoon Bay*”, “*Playa Maya*

Water Park” and *“Happy Times”*, and provides ~100 exciting games for both adults and children. Other attractions include: *Shenzhen Dapeng Fortress, OCT East Shenzhen, Sea World, Shenzhen Fairy Lake Botanical Garden, Wutong Mountain and Xiaomeisha Sea World.*

Public transportation

All suburbs and the central business districts in Shenzhen are served with public transportation networks including the subway, buses, and taxi.

Subway (Metro): Shenzhen has nine subway lines that operate from 06:30 to 23:00. Trips on the subway cost between RMB 3-10 Yuan, based on distance travelled. For those wanting to travel to the central area of Shenzhen, the subway is a convenient, cheap, and fast option.

Bus: The bus networks cover every corner of the city and each trip costs RMB 1-10 Yuan. However, the bus networks are complicated to navigate and the buses are often very crowded. We do not recommend that you choose this option for your travels around Shenzhen.

Taxi: Taxis in Shenzhen are a very convenient mode of transport. For trips into the urban districts of Shenzhen, you must take a taxi that is colored red. You cannot ride in a taxi that is colored green. Taxis cost RMB 11 Yuan for the first 2 km and then an additional RMB 2.4 Yuan per km. Taxis taken between 23:00-06:00 cost an additional 20%. Passengers are also required to pay a fuel surcharge (RMB 1-3 Yuan) and any tolls or parking fees.

Scientific program:

Page	Time	Title of Presentations	Speakers
	Oct.17 15:30-16:00 Opening ceremony		
	16:00-17:00 Keynote speech I ATM and ATR facilitate homology-directed repair after RAD51 polymerization by controlling BLM Shunichi Takeda, Kyoto University, Japan Chair: Stephen West, Francis Crick Institute, UK		
	17:00-18:00 Keynote Speech II Ataxia-telangiectasia: From rarity to significance Yosef Shiloh, Tel Aviv University School of Medicine, Israel Chair: Zhao-Qi Wang, Shandong University at Qingdao, China		
	Oct. 18 th 8:30-10:15 Cerebellum in A-T I Chairs: Yosef Shiloh, Peter McKinnon 8:30-8:40 Remarks by Yosef Shiloh		
	8:40-9:00	ATM Suppresses Aberrant Topoisomerase Activity in Neural Tissue	Peter McKinnon St. Jude Children's Research Hospital, USA
	9:00-9:20	Exploring physiological functions of DNA damage response	Zhao-Qi Wang

		regulators in neuropathies	Shandong University, China
	9:20-9:40	The role of Atm in cerebellar integrity and functionality	Ari Barzilai Tel Aviv University, Israel
	9:40-10:00	Disruption of PCNA dynamics lead neurological defects	Kyungjae (KJ) Myung Ulsan National Institute of Science & Technology, South Korea
	10:00-10:15	Mechanical vulnerability of Purkinje cells leads to nuclear envelope invaginations and chromatin hypermethylation in Ataxia-telangiectasia patients.	*Conor Lowndes IFOM, Italy
	10:15-10:45	Coffee break and poster presentation	
	10:45-12:00	Neuropathies in A-T II Chairs: Penny Jeggo, Kyungjae Myung	
	10:45-11:05	Understanding the role of homologous recombination proteins in vertebrate DNA replication	Vincenzo Costanzo IFOM, Italy
	11:05-11:25	The evolution of the DNA damage response at non-coding regulatory regions	Sherif El-Khamisy University of Sheffield, UK
	11:25-11:40	The RNA helicase UPF1 regulates mammalian neurogenesis partially through DDR signaling	*Tangliang Li Shandong University, China
	11:40-12:00	The Causes underlying Neurodegeneration in A-T	Penny Jeggo University of Sussex, UK
	12:00-12:30	Round-table discussion on cerebellopathies,	

		moderators: Penny Jeggo and Yosef Shiloh, while all speakers on the stage	
	13:15-13:30	Commercial presentation by Yingying Su from Lumicks	
		Dynamic single molecule approach to directly visualize the molecular mechanisms of DNA damage repair	
		Chair: Zhao-Qi Wang	
	13:30-14:55	ATM/ATR/DNA-PK biology	
		Chairs: Vincenzo Costanzo, Michael Huen	
	13:30-13:50	Atr and Atm-mediated mechanisms controlling cell mechanics	Marco Foiani IFOM, Italy
	13:50-14:05	Diffusion of activated ATM explains γ H2AX and MDC1 spread beyond the DNA damage site	*Stoyno S. Stoynov Bulgarian Academy of Sciences, Bulgaria
	14:05-14:20	Beyond Genomic Integrity—Unveiling its Crucial Role in Nucleolar Function and Ribosome Biogenesis	*Yuwei Li IFOM, Italy
	14:20-14:35	Molecular mechanisms of kinase regulation in DNA repair	*Shikang Liang The University of Hong Kong, Hong Kong
	14:35-14:55	Targeting EEF1A1 for Radiation Therapy	Zhenkun Lou Mayo Clinic, USA
	14:55-15:25	Coffee break and poster presentation	
	15:25-17:40		

	DNA repair I Chairs: Atsushi Shibata, Jian Yuan		
	15:25-15:45	Regulation of telomere DNA damage repair	Zhou Songyang Sun Yat-Sen University, Guangzhou, China
	15:45-16:05	Role of DNA double strand breaks in Transcription Regulation	Michael Huen, University of Hong Kong, Hong Kong
	16:05-16:25	HP1 β Chromo Shadow Domain facilitates H2A ubiquitination for BRCA1 recruitment at DNA double-strand breaks	Tej K. Pandita Texas A&M, USA
	16:25-16:45	Structures, recruitment and regulation of master kinases in DNA damage signalling	Xiaodong Zhang Francis Crick Institute, UK
	16:45-17:05	Suicidal DNA repair in ENDOD1-TP53 synthetic lethality	Cong Liu Sichuan University, China
	17:05-17:25	DOT1L-mediated RAP80 methylation promotes DNA repair in human colon cancer	Wei-Guo Zhu Shenzhen University, China
	17:25-17:40	Interaction between histone residue H3K56 and mismatch repair protein MutS β drives CAG/CTG repeat expansion	*Jinzheng Guo Chinese Institutes for Medical Research, China
	17:40-17:55 Commercial presentation by Tao Chen from the Absea Group Platforms and Resources for Proteomics and Beyond Chair: Peter McKinnon		
	18:30-21:00	Welcome dinner	

	Oct. 19 th 8:30-10:00 DNA repair II Chairs: Stephen C Kowalczykowski, Ying Liu		
	8:30-8:50	Chromatin organization and remodeling for DNA double-strand break repair	Atsushi Shibata Gunma University, Japan
	8:50-9:10	Liquid-liquid phase separation in DNA double-strand break repair	Xiang-Bo Wan Zhengzhou University, China
	9:10-9:25	STK19 is a transcription-coupled repair factor that participates in UVSSA ubiquitination and TFIIF loading	*Jinchuan Hu Fudan University, China
	9:25-9:40	The dynamic association of PARP1 and PARP2 with DNA double-strand breaks	*Dan Fan University of Alberta, Canada
	9:40-10:00	An alkylation-histidine phosphorylation cascade specific for DNA dealkylation repair and tumor suppression	Huadong Pei Georgetown University, Washington D.C., USA
	10:00-10:30	Coffee break and poster presentation	
	10:30-12:20 Homologous recombination Chairs: Marco Foiani, Zhenkun Lou		
	10:30-10:50	BRCA1 promotes DNA resection by Exonuclease 1 and BLM/WRN-DNA2	Stephen C Kowalczykowski University of California at Davis, USA
	10:50-11:10	RAD51/DMC1 mediators and remodelers in homologous	Akira Shinohara

		recombination	Osaka University, Japan
	11:10-11:30	Molecular Motors in Homologous Recombination: A Single-Molecule Perspective	Bo Sun ShanghaiTech University, China
	11:30-11:45	Distinct CHAMP1 Complexes Promote Homologous Recombination Through Different Mechanisms in Euchromatin and Heterochromatin	*Feng Li Harvard Medical School, USA
	11:45-12:00	CCDC137 is a novel subunit of RNase P promoting homologous recombination-mediated DNA repair	*Peipei Wang Shenzhen University, China
	12:00-12:20	Cryo-EM structures and functions of RAD51 paralog complexes involved in DSB repair and replication fork protection	Stephen C. West Francis Crick Institute, UK
	<p>12:20-12:35</p> <p>Commercial presentation by Yao Zheng from Oxford Instrument</p> <p>Multi-modality scale-crossing bio-imaging and image analysis solution</p> <p>Chair: Xingzhi Xu</p> <p>13:30-18:00</p> <p>Free activities</p>		
	<p>Oct. 20</p> <p>8:30-10:30</p> <p>DNA replication and replication stress response</p> <p>Chairs: Lee Zou, Hisao Masai</p>		
	8:30-8:50	Silencing of SLFN11 confers replication stress tolerance in	Simon J. Boulton The Francis Crick

		ATRX deficient ALT cancers	Institute, UK
	8:50-9:10	Parental histone transfer caught at the replication fork	Yuanliang Zhai The University of Hong Kong, China
	9:10-9:30	Identification of genetic vulnerabilities in aneuploid human cells	Ian D. Hickson University of Copenhagen, Denmark
	9:30-9:50	Regulation of replication timing, DNA repair and chromatin architecture by nuclear membrane tethering of Rif1	Hisao MASAI Tokyo Metropolitan Institute of Medical Science, Japan
	9:50-10:10	New insights of CST in tumor suppression and DNA replication/repair	Weihang Chai Chicago Medical School of Rosalind Franklin University, USA
	10:10-10:30	Replication fork reversal and protection	Jun Huang Zhejiang University, China
	10:30-11:00	Coffee break and poster presentation	
	11:00-12:35	New insights for radio/chemo/immune-therapy Chairs: Alan D'Andrea, Feilong Meng	
	11:00-11:20	Identification of third-generation NHEJ inhibitors with improved Cancer Therapeutic potential	Sathees C. Raghavan Indian Institute of Science, India
	11:20-11:40	Regulation of the ATR-CHEK1 checkpoint signaling	Xingzhi Xu Shenzhen University, China

	11:40-12:00	Identification of Proteins Protecting Cells Against Folate Stress	Ying Liu University of Copenhagen, Denmark
	12:00-12:15	Impact of ATM Expression on Immune Checkpoint Inhibitor Efficacy and Prognosis in Metastatic Melanoma Patients	*Dave S. B. Hoon Saint John's Cancer Institute, CA, USA
	12:15-12:35	Targeting DNA Replication Stress in Cancer Therapy	Lee Zou Duke University, USA
	13:30-15:25	Maintenance of genome stability I Chairs: Gerd Pfeifer, Xiaochun Yu	
	13:30-13:50	Control of genome stability during S-phase by MYC and MYCN proteins	Martin Eilers Theodor-Boveri-Institute Biocenter, Würzburg, Germany
	13:50-14:10	Resolution of R-loop by BRCA1/2 and their new partners	Weixing Zhao University of Texas Southwestern Medical Center at Dallas, USA
	14:10-14:30	Control of DNA double-strand breaks in postmitotic cochlear hair cells	Xin-Hai Pei Shenzhen University, China
	14:30-14:50	Mec1 and Rad53 kinases coordinate a redox cycle to gate G1/S transition	Huiqiang Lou Shenzhen University, China
	14:50-15:05	MRE11: A Crucial DNA Damage Repair Gene for Neural Stem Cell Survival and Postmitotic Neuron Function	*Zhongwei Zhou Sun Yat-sen University at Shenzhen, China

	15:05-15:25	NBS1 facilitates pre-ribosomal RNA biogenesis	Xiaochun Yu West Lake University, China
	15:25-15:55	Coffee break	
	15:55-16:55 Maintenance of genome stability II Chairs: Simon J. Boulton, Guo-Min Li		
	15:55-16:15	SMCHD1 maintains heterochromatin and genome compartments in human myoblast	Gerd P. Pfeifer Van Andel Research Institute, USA
	16:15-16:35	CHAMP1 Complex Directs Telomere Heterochromatin Assembly during Alternative Lengthening of Telomeres	Alan D'Andrea Harvard Medical School, USA
	16:35-16:55	Neomorphic leukemia-derived mutations in the TET2 enzyme induce genome instability via substrate shift from 5-methylcytosine to thymine	Guoliang Xu Shanghai Institute of Biochemistry & Cell Biology, CAS, China
	16:55-17:30 Poster awards, concluding remarks, and announcement of isDDRHD-2025 and ATW-2026		

Poster Abstracts		
	Title	Author
P1	Synergistic Enhancement of PARP Inhibition via Small Molecule UNI66-Mediated Suppression of BRD4-Dependent Transcription of RAD51 and CtIP	Enkhzul Amarsanaa et al.
P2	Inhibition of POLA1 enhances radiosensitivity of head and neck squamous cell carcinoma due to compromised DNA repair	Nasir Azam et al.
P3	A mouse model for radiotherapy-induced permanent hair loss	Xiaoqi Chen et al.
P4	UHRF1 mediated ubiquitination of non-homologous end joining factor XLF promotes DNA double strand break repair	Zhiwen Deng et al.
P5	Mitochondrial ROS links phosphate homeostasis to DNA damage response	Sining He et al.
P6	Identifying innate immune response induced by a small molecule, UNI88	Soomin Heo et al.
P7	Mechanosensitive endonuclease ANKLE1 processes chromatin bridges by cleaving mechanically strained DNA	Huadong Jiang et al.
P8	Identification of leukemia-derived neomorphic mutations of TET2	Guang-Bo Jin et al.
P9	YZL-51N functions as a selective inhibitor of SIRT7 by NAD ⁺ competition to impede DNA damage repair	Tian-Shu Kang et al.
P10	Atad5 Maintains Genomic Stability in Embryonic Development and Brain Function through PCNA Regulation	Shinseog Kim et al.
P11	Understanding the Mechanism of Radioprotection by	Susmita Kumari

	Caffeine	et al.
P12	UNI418 Targets PARPi-Resistant Tumors by Inhibiting PIKfyve and PIP5K1C, Triggering Cul4A-Dependent Proteolysis of Homologous Recombination Proteins	Seon-gyeong Lee et al.
P13	Lignoceric Acid Maintains Hematopoietic Stem Cell Homeostasis by Enhancing the Clearance of Reactive Oxygen Species	Mingying Li et al.
P14	A nucleosome-centric model for eukaryotic origin licensing	Sai Li et al.
P15	Impact of protein phosphorylation and nanobodies production on SLX4- associated nuclease complexes	Abimael Cruz-Migoni et al.
P16	MeCP2 deficiency leads to the gH2AX nano foci expansion after ionizing radiation	Hikaru Okumura et al.
P17	Short-range end resection requires PCNA unloading for faithful homologous recombination	Su Hyung Park et al.
P18	The effect of DNA double-strand break repair and chromatin remodeling factors on chromatin accessibility at DNA double-strand break sites	Yuki Uchihara et al.
P19	BRCA1 promotes repair of DNA damage in cochlear hair cells and prevents hearing loss	Guanrun Wang et al.
P20	Genetic evidence for the role of MRE11 in homologous DNA recombination after RAD51 polymerization at double-strand breaks	Jingwei Xue et al.
P21	Mitotic DNA Repair by MMEJ Suppresses Replication Stress-induced Nuclear Envelope Reassembly Defect	Guojun Ye et al.
P22	A signal amplifier in DNA damage response	Jixing Yu et al.

P23	ARIH2 Ubiquitin Ligase Regulates DNA Damage Response Through R-loops	Yiyun Zhang et al.
P24	FOXP1 phosphorylation antagonizes its O-GlcNAcylation in regulating ATR activation in response to replication stress	Xuefei Zhu et al.