

SPARK Seminar Series

Date: May 27th Time: 12-1:30pm Faculty Club#4

Graphene: The world's thinnest lubricant

Dr. Oleksiy V. Penkov is currently an associate professor at ZJU-UIUC. He received his B.S. and M.S. degrees from the National Technical University (KhPI), Ukraine. In 2007, he received his doctorate in physics and mathematics with a specialty in solid-state physics. During 2011–2019, he was a research professor at the Center for Nano-Wear at Yonsei University, Korea. His research interests cover several areas of physics, materials science, and mechanical engineering, such as nanolayered coatings, tribology, and surface engineering. He has authored dozens of peer-reviewed journal articles in the field of tribology of graphene and graphene-based materials.



Looking into the Molecular Machineries in Tumorigenesis and Gametogenesis



Dr. Qianting Zhang completed her bachelor's degree and Ph.D. degree at Zhejiang University, China. She worked as a postdoc at the Department of Chemistry and Molecular Biology, University of Gothenburg. Her previous research focused on dissecting the molecular mechanisms of mammalian tumorigenesis and gametogenesis utilizing mammalian cell lines, gene-modified mouse models and human samples. She currently investigates: 1) the function and association of key proteins in meiotic synapsis and homologous recombination (HR) and 2) the role of HR-related proteins in genomic instability and tumorigenesis.

SPARK Seminar Series

SPARK stands for

Scholarly progressive academic resonance kinetics as proposed by Prof. KC. Ting, vice dean of international campus, Zhejiang university.

- Inspired by this concept, Prof. Wei Guo (ZJE) and Prof. Huan Hu (ZJUI) co-developed this seminar idea and started this seminar series.
- The aim of SPARK seminar series is to facilitate communications between faculty inside the international campus and also other campuses of Zhejiang University in order to promote collaborations on interdisciplinary research work particularly for the fusion of engineering & biomedical Science.

Funding support by the labor union of international campus of Zhejiang University

- Detailed information: check the link:
- <https://www.intl.zju.edu.cn/en/research/sparkseminar>