کارگاه های جنب شانزدهمین مدرسه تابستانه پژوهشگاه رویان ۳۰ تیر لغایت ۱ مرداد ۱۴۰۴

المراجعة الم			
Speaker	Workshop title	Workshop outline	Date & Time
Elaheh Lotfi	MEA Data Analysis and Closed-Loop Systems in Cultured Neuronal Networks	 Introduction & Experimental Setup with MEA Technology From Raw Signals to Spikes: Detection & Sorting Understanding Neural Activity: Spike Train & Network Analysis Mapping Neural Footprints: Electrical Image Analysis Training Neurons in Real-Time: Closed-Loop Systems 	First day workshop 21 July 2025 (۱۴۰۴ تیر ۳۰) 14:00_17:00
Ehsan Khormali	Hands-on AI for Medical Data Analysis	 Introduction to AI in Medicine Medical Data Types & AI Applications Hands-On: Applying AI to Medical Data Q&A, Next Steps & Conclusion 	<u>Second day workshop</u> 22 July 2025 (۱۴۰۴ تیر ۳۱) 14:00_17:00
Farideh Shakerian	Al application in system neuroscience	 Introduction to Systems Neuroscience Technical and Conceptual Advances in Systems Neuroscience Al and Systems Neuroscience Neural Recording Techniques Paradigm control (experimental design) Single-cell recording Behavioral monitoring Al Applications in Neural Data Analysis Spike train analysis & representation Single-cell coding principles Population coding mechanisms Neural network models in neuroscience 	Third day workshop 23 July 2025 (۱۴۰۴ مرداد 14:00_17:00