

[Attachment 4]

List of IBS Research Centers

(As of Dec. 23, 2022)

□ Total 33 Centers (28 Directors and 6 CIs)

○ Ten HQ, fourteen Campus (six at KAIST, four at POSTECH, three at UNIST, one at GIST), and nine Extramural Centers

Field (number of centers)	Center name	Director·CI	Photo	Center type	Research area
Physics (11)	Center for Correlated Electron Systems	NOH Tae Won		Extramural (Seoul Nat. Univ.)	Condensed matter physics
	Center for Integrated Nanostructure Physics	LEE Young Hee		Extramural (Sungkyunkwan Univ.)	Nanostructure physics
	Center for Relativistic Laser Science	NAM Chang Hee		Campus (GIST)	Optics
	Center for Axion and Precision Physics Research	Yannis SEMERTZIDIS		Campus (KAIST)	Elementary particle physics
	Center for Artificial Low Dimensional Electronic Systems	YEOM Han Woong		Campus (POSTECH)	Condensed matter physics
	Center for Underground Physics	KIM Yeongduk		HQ	Particle physics
	Center for Theoretical Physics of the Universe	CHOI Kiwoon		HQ	Theoretical physics
	Center for Theoretical Physics of Complex Systems	Sergej FLACH		HQ	Theoretical physics
	Center for Quantum Nanoscience	Andreas HEINRICH		Extramural (Ewha W. Univ.)	Quantum nanoscience
	Center for Exotic Nuclear Studies	HAHN Kevin Insik		HQ	Rare Isotope Sciences
	Center for Van Der Waals Quantum Solids	JO Moon-Ho		Campus (POSTECH)	Quantum matter physics
Life Sciences (5)	Center for Cognition and Sociality	LEE Changjoon Justin		HQ	Brain science
	Center for Synaptic Brain Dysfunctions	KIM Eunjoon		Campus (KAIST)	Brain science
	Center for RNA Research	KIM V. Narry		Extramural (Seoul Nat. Univ.)	Molecular cell biology
	Center for Genomic Integrity	MYUNG Kyungjae		Campus (UNIST)	Genome biology
	Center for Vascular Research	KOH Gou Young		Campus (KAIST)	Vascular biology

Field (number of centers)	Center name	Director-CI	Photo	Center type	Research area
Chemistry (7)	Center for Nanomaterials and Chemical Reactions	PARK Jeong Young (Acting Director)		Campus (KAIST)	Nanoscience & physics
	Center for Self-assembly and Complexity	KIM Kimoon		Campus (POSTECH)	Supramolecular chemistry
	Center for Nanoparticle Research	HYEON Taeghwan		Extramural (Seoul Nat. Univ.)	Nanoscience
	Center for Catalytic Hydrocarbon Functionalizations	CHANG Sukbok		Campus (KAIST)	Organic chemistry
	Center for Multidimensional Carbon Materials	Rodney RUOFF		Campus (UNIST)	Materials chemistry(carbon allotropes)
	Center for Molecular Spectroscopy and Dynamics	CHO Minhaeng		Extramural (Korea Univ.)	Physical chemistry
	Center for Advanced Reaction Dynamics	IHEE Hyot Cherl		Campus (KAIST)	Molecular structure dynamics
Inter-disciplinary (5)	Center for Soft and Living Matter	Steve GRANICK		Campus (UNIST)	Physical chemistry of soft matter
	Center for Neuroscience Imaging Research	KIM Seong-Gi		Extramural (Sungkyunkwan Univ.)	Systems neuroscience
	Center for Genome Engineering	KOO Bonkyoung (Acting Director)		HQ	Genome engineering
	Center for Nanomedicine	CHEON Jinwoo		Extramural (Yonsei Univ.)	Basic medicine
	Pioneer Research Center for Biomolecular and Cellular Structure	(CI) KIM Ho Min		HQ (PRC)	Protein structural biochemistry
Mathematics (3)	Center for Geometry and Physics	OH Yong-Geun		Campus (POSTECH)	Geometry
	Center for Complex Geometry	HWANG Jun-Muk		HQ	Complex Geometry
	Pioneer Research Center for Mathematical and Computational Sciences	(CI) OUM Sang-il		HQ (PRC)	Combinatorics and graph theory
		(CI) CHA Meeyoung			Data science
		(CI) KIM Jae Kyoung			Biomedical Mathematics
	(CI) Hong LIU		Extremal Combinatorics and Probability		
Earth Sciences (2)	Center for Climate Physics	Axel TIMMERMANN		Extramural (Pusan Nat. Univ.)	Climate physics
	Pioneer Research Center for Climate and Earth Science	(CI) LEE Yeon Joo		HQ (PRC)	Planetary atmosphere