

## COMPARISON OF NCN AND NSFC PANELS<sup>1</sup>

NCN		NSFC			
Discipline	Panel Code	Name of the panel	Department	Division	Name
<b>ST</b>	ST1	Mathematics	Mathematical and Physical Sciences	Mathematics	Mathematics I
					Mathematics II
	ST2	Fundamental constituents of matter	Mathematical and Physical Sciences	Physics I	Condensed matter physics
					Atomic and molecular physics
					Optics
					Acoustics
				Physics II	Fundamental physics and particle physics
					Nuclear physics, nuclear technology and its applications
					Particle physics and nuclear physics experimental facilities
					Plasma physics
	ST3	Condensed matter physics	Information Sciences	Division IV	Semiconductor science and information devices
					Information optics and photoelectric devices
					Laser and technical optics
	ST4	Physical and analytical chemical sciences	Chemical Sciences	Division I	Inorganic
					Analytical
	ST5	Materials and synthesis	Chemical Sciences	Division II	Organic chemistry
					Division IV
	ST6	Computer science and informatics	Information Sciences	Division I	Electronics and technology
Information and communication system					
Information acquisition and processing					
			Division II	Theoretical computer science, computer	

<sup>1</sup> Please note that this comparison serves for auxiliary purposes only. Please note that subject classification in the NCN and NSFC shall be coherent.

					software and hardware
					Computer applications
					Network and information security
	<b>ST7</b>	Systems and communication engineering		Division I	Electronics and technology
			<b>Information Sciences</b>	Division III	Control theory and control engineering
					Systems science and system engineering
					Artificial intelligence and intelligent systems
	<b>ST8</b>	Products and processing engineering	<b>Chemical Sciences</b>	Division IV	Polymers
					Environmental
				Division V	Chemical engineering
			<b>Life Sciences</b>	Division III	Biomechanics and tissue engineering
			<b>Mathematical and Physical Sciences</b>	Mechanics	Basic problems and methods in mechanics
					Dynamics and control
					Solid mechanics
					Fluid mechanics
					Bio-mechanics
					Explosive and impact dynamics
			<b>Engineering and Materials Sciences</b>	Materials sciences I	Metallic materials
				Materials sciences II	Inorganic and non-metallic materials
					Polymer materials
Engineering sciences I	Metallurgy and mining science				
Engineering sciences II	Mechanical engineering				
Engineering sciences III	Engineering thermophysics and energy utilization				
Engineering sciences IV	Architecture, environmental and structural engineering				
	Electrical science and engineering				
	Hydrology and marine engineering				
<b>ST9</b>	Astronomy and space research	<b>Mathematical and Physical Sciences</b>	Astronomy	Astrophysics	
				Astrometry and celestial mechanics	
		<b>Earth Science</b>	Division III	space physics	
<b>ST10</b>	Earth system science	<b>Earth Sciences</b>	Division I	Geography (including soil science and remote sensing)	
			Division II	Geology	

<b>NZ</b>					Geochemistry
				Division III	Geophysics
				Division IV	Marine science
				Division V	Atmospheric science
	<b>NZ1</b>	Molecular biology, structural biology, biotechnology	<b>Life Sciences</b>	Division III	Biophysics/Biochemistry/Molecular biology Biomechanics and Tissue engineering
	<b>NZ2</b>	Genetics, genomics	<b>Life Sciences</b>	Division V	Genetics and bioinformatics
	<b>NZ3</b>	Cellular and developmental biology	<b>Life Sciences</b>	Division V	Cell biology Developmental biology and reproductive biology
	<b>NZ4</b>	<b>Biology of tissues, organs and organisms</b>	<b>Health Sciences</b>	Division III	Neurological and psychiatric diseases,
			<b>Life Sciences</b>	Division III	Biomechanics and tissue engineering
				Division IV	Neurosciences Physiology
<b>NZ5</b>	<b>Human and animal noninfectious diseases</b>	<b>Health Sciences</b>	Division I	Respiratory system, circulatory, system, blood system	
			Division II	Digestive system, urinary system, endocrine system/metabolism and nutrition support, ophthalmology, otorhinolaryngology head and neck science, oral and craniomaxillo-facial science	
			Division III	gerontology	
			Division IV	Reproductive system/perinatology/neonatology	
			Division V	Medical imaging and biomedical engineering, special medicine, forensic sciences	
			Division VI	Orthopedics, emergency and intensive care medicine/trauma/burns/ plastic surgery	
			Division VII	Oncology (leukemia not included)	
			Division VIII	Skin and appendages, preventive medicine, radiology	
			Division X	Chinese medicine, Chinese material medica, integrated Chinese and western medicine	
<b>NZ6</b>	Human and animal immunology and infection	<b>Health Sciences</b>	Division I	Microbiology	

				Division III	Immunology	
				Division IV	medical immunology	
				Division VI	Medical pathogenic microorganisms and infection	
	<b>NZ7</b>	Diagnostic tools, therapies and public health		<b>Life Sciences</b>	Division III	Biomechanics and tissue engineering
				<b>Health Sciences</b>	Division VIII	Veterinary medicine
					Division VI	laboratory medicine/ rehabilitation medicine
					Division VIII	endemiology, occupational medicine,
					Division IX	Materia medica and pharmacology
	<b>NZ8</b>	Evolutionary and environmental biology		<b>Life Sciences</b>	Division I	Botany
					Division II	Ecology
					Division VIII	Zoology
						Aquaculture
	<b>NZ9</b>	Applied life sciences and biotechnology		<b>Life Sciences</b>	Division II	Forestry
Division VI					Agriculture and crop sciences	
					Food science	
Division VII					Plant protection	
					Horticulture and plant nutrition	
Division VIII					Animal husbandry and grassland science	
<b>HS</b>	<b>HS4</b>	Individuals, institutions, markets	<b>Management Sciences</b>	Division I	Management science and engineering	
				Division II	Business administration	
				Division III	Macro-management and policy	
	<b>HS6</b>	Human nature and human society	<b>Life Sciences</b>	Division IV	Psychology	

Table. NSFC departments and divisions covered by the NCN's disciplines

NCN // discipline	NSFC // department
<b>ST</b>	Mathematical and Physical Sciences
	Information Sciences
	Chemical Sciences
	Life Sciences

	Engineering and Materials Sciences
	Earth Sciences
NZ	Life Sciences
	Health Sciences
HS	Management Sciences
	Life Sciences

**Table 3. NSFC: departments and divisions**

No.	Department	Division	Name of the division
01.	Mathematical and Physical Sciences	Mathematic	Mathematics I
			Mathematics II
		Mechanics	Basic problems and methods in mechanics
			Dynamics and control
			Solid mechanics
			Fluid mechanics
			Bio-mechanics
			Explosive and impact dynamics
			Astronomy
			Astrometry and celestial mechanics
		Physics I	Condensed matter physics.
			Atomic and molecular physics
			Optics
			Acoustics
Physics II	Fundamental physics and particle physics		
	Nuclear physics, nuclear technology and its applications		
	Particle physics and nuclear physics experimental facilities		
	Plasma physics		
02.	Chemical Sciences	Division I	Inorganic
			Analytical
		Division II	Organic chemistry
		Division III	Physical chemistry
		Division IV	Polymers

			Environmental
		Division V	Chemical engineering
03.	Life Sciences	Division I	Microbiology
			Botany
		Division II	Ecology
			Forestry
		Division III	Biophysics/Biochemistry/Molecular biology
			Immunology
			Biomechanics and tissue engineering
		Division IV	Neurosciences
			Psychology
			Physiology & integrative biology
		Division V	Genetics and bioinformatics
			Cell biology
			Developmental biology and reproductive biology
		Division VI	Agriculture and crop sciences
			Food science
		Division VII	Plant protection
	Horticulture and plant nutrition		
Division VIII	Zoology		
	Animal husbandry and grassland science		
	Veterinary medicine		
	Aquaculture		
04.	Earth Sciences	Division I	Geography (including soil science and remote sensing)
		Division II	Geology
			Geochemistry
		Division III	Geophysics and space physics
		Division IV	Marine science
	Division V	Atmospheric science	
05.	Engineering and Materials Sciences	Materials sciences I	Metallic materials
		Materials sciences II	Inorganic and non-metallic materials
			Polymer materials
		Engineering sciences I	Metallurgy and mining science
		Engineering sciences II	Mechanical engineering
		Engineering sciences III	Engineering thermo physics and energy utilization
		Engineering sciences IV	Architecture, environmental and structural engineering
		Engineering sciences V	Electrical science and engineering
	Hydrology and marine engineering		
06.	Information Sciences	Division I	Electronics and technology
			Information and communication system
			Information acquisition and processing
		Division II	Theoretical computer science, computer software and hardware
			Computer applications
	Network and information security		

		Division III	Control theory and control engineering Systems science and system engineering Artificial intelligence and intelligent systems
		Division IV	Semiconductor science and information devices Information optics and photoelectric devices Laser and technical optics
07.	Management Sciences	Division I	Management science and engineering
		Division II	Business administration
		Division III	Macro-management and policy
08.	Health Sciences	Division I	Respiratory system, circulatory system, blood system
		Division II	Digestive system, urinary system, endocrine system/metabolism and nutrition support, ophthalmology, otorhinolaryngology head and neck science, oral and craniomaxillo-facial science
		Division III	Neurological and psychiatric diseases, gerontology
		Division IV	Reproductive system/perinatology/neonatology, medical immunology
		Division V	Medical imaging and biomedical engineering, special medicine, forensic sciences
		Division VI	Medical pathogenic microorganisms and infection, orthopedics and sports medicine, emergency and intensive care medicine/trauma/burns/laboratory medicine/plastic surgery/rehabilitation medicine
		Division VII	Oncology (leukemia not included)
		Division VIII	Skin and appendages, Preventive medicine, epidemiology, occupational medicine, radiology
		Division IX	Materia medica and pharmacology
		Division X	Chinese medicine, Chinese material medica, Integrated Chinese and western medicine