

Job Profiles for CSC-Scholarship Programme 2019
Forschungszentrum Juelich, Germany

	Position	Institute	Supervisor at FZJ	Research Area/Research Project
1	PostDoc	IEK-5	Prof. Dr. T. Kirchartz	Photovoltaics
2	PostDoc	IEK-8	Prof. Dr. T. Mentel	Aerosol monitoring
3	PostDoc	INM-9/IAS-5	Prof. Dr. M. Alfonso-Prieto	Modeling and Simulation of Protein-Protein Complexes
4	PostDoc	IAS-5/INM-9	Dr. V. Calandrini	Modeling Neuronal Information Processing
5	PostDoc	INM-2	Dr. S. Beer	Molecular Neuroimaging
6	PostDoc	ICS-6	Dr. O. Bannach	Alzheimer's Diagnostics
7	PostDoc	INM-9/IAS-5	Jun.-Prof. Dr. G. Rossetti, Prof. Dr. P. Carloni	Computer-aided Drug Design
8	Visiting Scholar	PGI-6	Prof. Dr. M. Büscher	Fundamentals of Future Information Technology - FIT
9	Joint PhD	ER-C	Dr. K. Müller-Caspary, Prof. Dr. R. Dunin-Borkowski	Solid State Physics/Materials Science
10	PhD-Student or Joint PhD	ER-C	Dr. K. Müller-Caspary, Prof. Dr. R. Dunin-Borkowski	Solid State Physics/Materials Science
11	PhD-Student or Joint PhD	IKP-1	Prof. Dr. J. Ritman, Dr. S. Schadmand	Experimental Hadron Structure
12	PhD	JCNS-FRM II	Dr. Y. Su, Prof. Dr. T. Brückel	Crystal growth and neutron scattering studies of quantum materials

13	PhD	JSC	Dr. P. Baumeister	Interdisciplinary: Physics + Applied Mathematics + Computer Science
14	PhD	IEK-5	Prof. Dr. T. Kirchartz	Photovoltaics
15	PhD	IAS-5/INM-9	Dr. V. Calandrini	Modeling Neuronal Information Processing
16	PhD	IBG-1	Dr. E. von Lieres	Model-Based Analysis and Optimization of Preparative Chromatography
17	PhD	IBG-3	Prof. Dr. H.-J. Hendricks-Franssen	Hydrology/Simulation Sciences
18	PhD	IEK-8	Prof. Dr. T. Mentel	Aerosol Monitoring
19	PhD	IEK-1	Prof. Dr. D. Fattakhova-Rohlfing, Dr. F. Tietz, Dr. E. Dashjav	Solid state lithium batteries
20	PhD	ER-C-1/PGI-5	Prof. Dr. F. Dunin-Borkowski, Dr. M. Hegen, Dr. X. Wie	In-situ electric-field (scanning) transmission electron microscopy
21	PhD	IBG-3	Dr. B. Wu	Si fertilization in paddy soils with purpose of organic rice cultivation
22	PhD	INM-4	Dr. J. Scheins, Prof. Dr. N. J. Shah	Positron Emission Tomography (PET), Neuroimaging, PET/MR hybrid scanners
23	PhD	IEK-3	Dr. H. Heinrichs, Prof. Dr. D. Stolten	Assessing the global development of bioenergy demand and trade
24	PhD	IEK-3	Dr. H. Heinrichs, Prof. Dr. D. Stolten	Assessing the global sustainable bioenergy potential and trade
25	PhD	INM-4	Prof. Dr. N. J. Shah, Dr. J. Dammers	Deep learning, neuroimaging, signal processing
26	PhD	INM-3	Prof. Dr. Dr. K. Vogeley, Dr. J. Dammers	Neuroimaging, MEG/EEG data analysis, Psychoogy
27	PhD	INM-1	Prof. Dr. S. Caspers, Dr. J. Schreiber	Neuroscience
28	PhD	INM-1	Prof. Dr. S. Caspers, Dr. C. Jockwitz	Neuroscience
29	PhD	IEK-1	Prof. Dr. O. Guillon, Dr. N. Menzler, Dr. M. Ivanova	Proton conducting ceramic cells
30	PhD	IBG-3	Dr. A. Berns	Soil Science

31	PhD			Prof. Dr. R. Bol, Dr. A. Tietema, Dr. A. Kooijman	Quantification of nitrogen and phosphorus transformations in range of forested and non-forested German and Dutch ecosystems
32	PhD	IBG-3		Dr. D. Bürgler	Molecular Spintronics
33	PhD	PGI-6		Prof. Dr. A. Offenhäuser, Dr. Y. Mourzina	Key Technologies - Sensorics and bioinspired systems
34	PhD	ICS-8		Dr. C. Montzka	Soil moisture remote sensing and spatial scaling
35	PhD	IBG-3		Prof. Dr. W. Lehnert, D. Froning	Water transport in porous structures with Lattice Boltzmann simulations
36	PhD	IEK-3		Prof. Dr. W. Lehnert	Fundamental effects of fluid transport in microstructures of components in electrochemical devices
37	PhD	IEK-3		Dr. O. Petravic, Prof. Dr. T. Brückel	Experimental Physics, Condensed Matter Physics, Materials Science
38	PhD	JCNS-2/PGI-4		Prof. Dr. O. Guillon, Dr. F. Tietz, Dr. Q. Ma	Solid state Sodium batteries
39	PhD	IEK-1		Prof. Dr. Y. Rothfuss, Prof. Dr. N. Brüggemann	Stable isotopic ecophysiology
40	PhD	IBG-3		Dr. O. Popovych, Prof. Dr. S. Eickhoff	Computational Neuroscience
41	PhD	INM-7		Dr. S. Weis, Dr. R. Langner	Neuroscience
42	PhD	INM-7		Prof. Dr. S. Eickhoff, Dr. J. Dukart	Digital biomarker technologies
43	PhD	INM-7		Prof. Dr. M. Krüger, Dr. J. Malzbender	Mechanical Behavior of Solid State Batteries
44	PhD	IEK-2		Prof. Dr. M. Krüger, Dr. J. Malzbender	Advanced nano- and microscale mechanical characterization
45	PhD	IEK-2		Dr. E. von Lieres, Dr. M. Bocola	Computational Biology, Enzyme Structure-Activity Prediction and Enzyme Design
46	PhD	IBG-1		Dr. R. Temirov	Very-Low Temperature Scanning Probe Microscopy
		PGI-3			