



CSC-Tübingen PhD Program: Call for applications 2021 Open PhD positions

NN	Project number	Project title	Supervisor / Professor	Faculty	Full-time / sandwich
1	CSC-Tübingen PhD Program: Project 01/2021	<u>How do brain tumor cells influence the integrity of GBM-associated vessels and the blood-brain-barrier?</u>	Ulrike Naumann	Medicine	Full-time
2	CSC-Tübingen PhD Program: Project 02/2021	<u>Airborne measurement of pollen distribution and transport in the lower atmosphere</u>	Andreas Platis	Science	Full-time or sandwich
3	CSC-Tübingen PhD Program: Project 03/2021	<u>Experimental study of the particulate matter distribution and transport at the urban-rural boundary</u>	Andreas Platis	Science	Full-time or sandwich
4	CSC-Tübingen PhD Program: Project 04/2021	<u>High resolution wind measurement aboard a multi-copter research unmanned aircraft (UAS)</u>	Andreas Platis	Science	Full-time or sandwich
5	CSC-Tübingen PhD Program: Project 05/2021	<u>Analysis of the urban wind field for wind-energy production using a network and data base of high-resolution measurements</u>	Andreas Platis	Science	Full-time or sandwich
6	CSC-Tübingen PhD Program: Project 06/2021	<u>Ethical Value Systems of Chinese Multinational Corporations: Particularistic Versus Universalistic Approaches</u>	Markus Pudelko, Hans-Wolf Sievert	Economics and Social Sciences	Full-time
7	CSC-Tübingen PhD Program: Project 07/2021	<u>Novel methods to map cellular protein transport pathways (Biochemistry, Molecular Cell Biology)</u>	Doron Rapaport	Science	Full-time



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8	CSC-Tübingen PhD Program: Project 08/2021	<u>Targeting specific pathomechanisms as treatment strategy for an inherited neurodegenerative disorder</u>	Thorsten Schmidt	Medicine	Full-time
9	CSC-Tübingen PhD Program: Project 09/2021	<ul style="list-style-type: none"> - <u>State-dependent neuromodulation for the restauration of motor function</u> - <u>Adaptive brain-robot interfaces for neurorehabilitation</u> - <u>Directional deep brain stimulation for targeted network modulation in Parkinson's disease</u> 	Alireza Gharabaghi	Medicine	Full-time
10	CSC-Tübingen PhD Program: Project 10/2021	<u>Sub-patterned optical nano-antennas with ultra-high precision geometric control</u>	Monika Fleischer	Science	Full-time
11	CSC-Tübingen PhD Program: Project 11/2021	<u>Spinocerebellar ataxia type 3 (SCA3), an inherited neurodegenerative disorder and intracellular protein degradation mechanisms</u>	Jana Schmidt	Medicine	Full-time
12	CSC-Tübingen PhD Program: Project 12/2021	<u>Social media use for informal and incidental learning</u>	Sonja Utz	Science	Full-time
13	CSC-Tübingen PhD Program: Project 13/2021	<ul style="list-style-type: none"> - <u>Molecular regulation of the NLRP3 inflammasome</u> - <u>MyD88-dependent signaling in oncogenesis</u> - <u>Characterization of a novel NET component: naRNA</u> - <u>Interplay of neutrophils and platelets in psoriasis</u> 	Alexander Weber	Medicine	Full-time
14	CSC-Tübingen PhD Program: Project 14/2021	<u>The investigation of local properties of optoelectronic materials at the nanometer scale using optical spectroscopy and microscopy</u>	Dai Zhang, Alfred Meixner	Science	Full-time



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15	CSC-Tübingen PhD Program: Project 15/2021	<u>Linking metabolic and cell cycle regulation</u>	Jennifer C. Ewald	Science	Full-time
16	CSC-Tübingen PhD Program: Project 16/2021	<u>Modelling of a quantum computer with Rydberg ions in a Penning trap</u>	Igor Lesanovsky	Science	Full-time
17	CSC-Tübingen PhD Program: Project 17/2021	<u>Many-body quantum optics of coupled atom-waveguide systems</u>	Igor Lesanovsky	Science	Full-time
18	CSC-Tübingen PhD Program: Project 18/2021	<u>Gene-reporter engineered cell biosensors for metabolic cancer therapy</u>	Andre F. Martins	Science	Full-time
19	CSC-Tübingen PhD Program: Project 19/2021	<u>Development of functional quantitative hybrid imaging sensors to identify accurate metabolic imaging biomarkers</u>	Andreas Maurer, Andre Martins	Science	Full-time
20	CSC-Tübingen PhD Program: Project 20/2021	<u>Neurocognitive underpinnings of multi-digit number processing considering domain-specific and domain-general processes</u>	Hans-Christoph Nürk, Christina Artemenko, Yunfeng He	Science	Full-time
21	CSC-Tübingen PhD Program: Project 21/2021	<u>Modeling Human Lymphoma Immunotherapy in Live Explant Culture Bioreactors</u>	Christian M. Schürch	Medicine	Full-time
22	CSC-Tübingen PhD Program: Project 22/2021	<u>Enhancing Cutaneous T Cell Lymphoma Diagnostics by Highly Multiplexed Microscopy</u>	Christian M. Schürch	Medicine	Full-time



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23	CSC-Tübingen PhD Program: Project 23/2021	<u>Highly Multiplexed Imaging of the Bone Marrow Microenvironment during Leukemia Progression and Immunotherapy</u>	Christian M. Schürch	Medicine	Full-time
24	CSC-Tübingen PhD Program: Project 24/2021	<u>Predictive brain signals</u>	Cornelius Schwarz	Medicine	Full-time
25	CSC-Tübingen PhD Program: Project 25/2021	<u>Neuronal bases of association learning</u>	Cornelius Schwarz	Medicine	Full-time
26	CSC-Tübingen PhD Program: Project 26/2021	<u>Strong coupling of Rydberg atoms in optical cavities</u>	Sebastian Slama	Science	Full-time
27	CSC-Tübingen PhD Program: Project 27/2021	<u>Probing M dwarf stars with high-precision space-based photometry</u>	Beate Stelzer	Science	Full-time
28	CSC-Tübingen PhD Program: Project 28/2021	<u>Resolving turtle origin: the evolution of skull development</u>	Ingmar Werneburg	Science	Full-time
29	CSC-Tübingen PhD Program: Project 29/2021	<u>Development of electronics for the UV instrument on the CAFE space telescope</u>	Klaus Werner	Science	Full-time
30	CSC-Tübingen PhD Program: Project 30/2021	<u>Monodisperse size and morphology-controlled heteroatom-doped carbon nanostructured composites: Precise synthesis and applications in catalysis and energy materials</u>	Yucang Liang, Reiner Anwander	Science	Full-time
31	CSC-Tübingen PhD Program: Project 31/2021	<u>Organocerium Chemistry</u>	Reiner Anwander	Science	Full-time