



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



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



NN	Project number	Project title	Supervisor / Professor	Faculty	Full-time / sandwich
15	CSC-Tübingen PhD Program: Project 15/2021	<a href="#">Linking metabolic and cell cycle regulation</a>	Jennifer C. Ewald	Science	Full-time
16	CSC-Tübingen PhD Program: Project 16/2021	<a href="#">Modelling of a quantum computer with Rydberg ions in a Penning trap</a>	Igor Lesanovsky	Science	Full-time



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