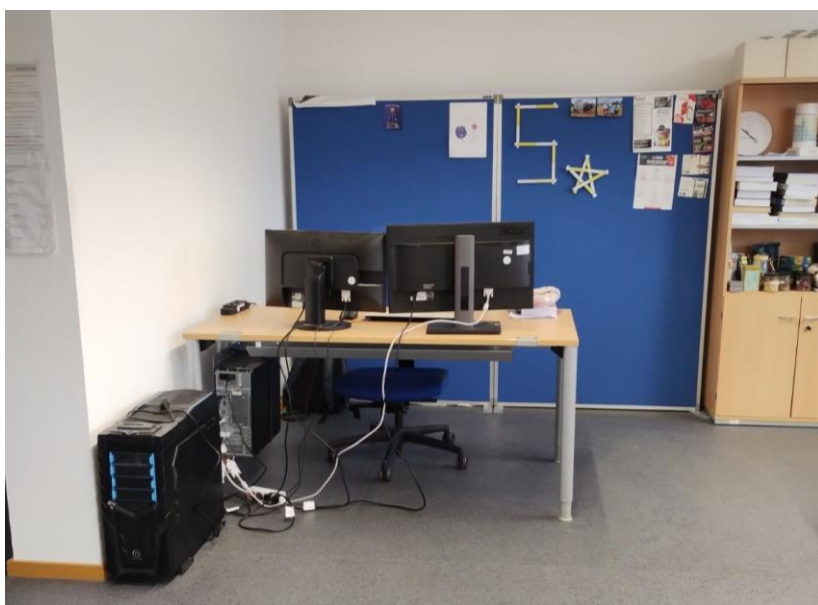


Personal Report- SPARC-GIANT Program 2025

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Under the SPARC–GIANT 2025 program, I worked in the research group of Dr. Merle Insa Silja Röhr on the excited-state properties of tetracene aggregates. The picture depicts the lab space provided to me during my visit to JMU. I was provided with sufficient computational resources to successfully carry out the internship. In this regard, I would like to sincerely thank Dr. Merle Insa Silja

Röhr and Prof. Dr. Roland Mitrić for all the facilities and support they extended to me. The working environment was excellent, and the lab members were very helpful throughout my stay. I would like to extend special thanks to Mr. Richard Einsele from the research group of Prof. Dr. Roland Mitrić, who provided valuable assistance with my research at JMU. At the beginning of the internship, I delivered a presentation on my doctoral research, which is supervised by Prof. R. S. Swathi at IISER Thiruvananthapuram. In addition, the lab members at JMU (from the research groups of Dr. Merle Insa Silja Röhr and Prof. Dr. Roland Mitrić) presented and explained their ongoing research, which greatly helped me in understanding the broader research activities at JMU. The research carried out at JMU led to promising and interesting results, which we plan to further pursue and publish in the future. Towards the end of the internship, all SPARC–GIANT students from IISER Thiruvananthapuram, including myself, presented our work to the entire SPARC–GIANT community, comprising both students and faculty members. These presentations reaffirmed the success of the program, as evidenced by the significant scientific outcomes achieved by each participating student.



This is me and my friends during the cross-cultural communication workshop held on October 17, 2025, at JMU. The picture is courtesy of my fellow colleague, Ms. Theertha Kannoli Paloran, who is also a SPARC–GIANT exchange student from IISER. This workshop was one of the first non-research programs that we attended at JMU. The workshop was aimed at introducing both Indian and German students who were part of exchange programs between IISER and JMU to the cultural differences between India and Germany. The program was conducted by Anna Scarabel from the JMU India Competence Centre, and we also had the presence of Rebekka Steinmann from the Service Centre International Transfer, JMU. The workshop also had online participants from the IISER Thiruvananthapuram campus. The most interesting part of the workshop was interpreting different situations from both Indian and German perspectives. The discussion was really enriching and gave us a good understanding of German society, which helped us during our stay in Germany.



This is a picture of a Christmas carousel from the famous Christmas market in Nuremberg. It was part of an excursion organized for exchange students at JMU to the Zollhof TechIncubator in Nuremberg on December 4, 2025. At Zollhof TechIncubator, we attended various talks by eminent personalities, who introduced us to innovative start-ups and shared insights into entrepreneurship and technology transfer. This was followed by a visit to the Christmas market in Nuremberg, which amazed us with its traditional charm and festive atmosphere. I also got to drink Christmas punch at the market, which was offered by Rebekka Steinmann. The place holds a special place in my heart, as I got to ride a Christmas carousel for the first time in my life!