

## ICR-iJURC Report

### Research visit at Prof. Yamago's laboratory

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The primary objective of my exchange program at the Prof. Yamago's laboratory was to study the mechanisms of Troponoid-mediated radical polymerization using Organotellurium-Mediated Radical Polymerization (TERP) chain transfer agents (CTAs). Prof. Yamago's group is renowned for its pioneering research in TERP and Cycloparaphenylenes (CPP) using platinum, and this exchange provided a unique opportunity to explore cutting-edge synthetic methodologies under expert guidance.

Working in Prof. Yamago's laboratory was an intellectually stimulating and rewarding experience. The group environment emphasized precision, reproducibility, and critical thinking, which helped refine my scientific approach. The well-organized workflows and high standards for synthetic work in the lab significantly improved my skills in organic synthesis technique and concepts. Also, I met a group of outstanding researchers here, and I look forward to seeing them again in the future.

My exchange at Professor Yamago's laboratory at Kyoto University was an invaluable experience that significantly enhanced my research skills in organic synthesis and controlled radical polymerization, particularly in the areas of purification and separation. The knowledge I gained from this exchange will directly contribute to my ongoing research in RDRP. Furthermore, I recognize that TERP is a powerful technique applicable in various fields. I will introduce this technique to Taiwan and incorporate it into our group's research efforts.

I sincerely appreciate the ICR for providing financial and academic support that made this exchange possible. I am also deeply grateful to Prof. Yamago for his invaluable guidance, insightful discussions, and mentorship throughout my stay. I look forward to applying the knowledge and skills acquired from this exchange to future research and industrial applications.

