

NEXUS International Internship Completion Report

NEXUS 国際インターンシップ終了レポート

Student Name 氏名	Nguyen Quynh Trang	Submission Date 提出日	2026/06/05
Affiliation / University 所属・大学	Hanoi University of Science and Technology	Student ID 学生番号	
Host Laboratory / Supervisor 受入研究室・指導教員	Matsuhisa Laboratory / Associate Professor Naoji Matsuhisa	Internship Period 期間	2026/03/01 – 2026/05/30
Email メール	iris.q.ng@gmail.com	Report File Name ファイル名	NEXUS_Report_Name.pdf

1. Overview of Internship Activities / 活動内容の概要

Briefly describe your main activities: research theme, experiments, simulations, fabrication, measurements, data analysis, seminars, discussions, or laboratory work. Suggested length: 120-160 words.

My research theme was fabricating electronically conductive hydrogel for application in wearable devices. After hydrogels fabrication, I measured and calculated their thickness, sheet resistance, and electrical conductivity. I also tested various formulation and their impacts to conductivity and mechanical properties of the hydrogels. Every week our lab would have group meeting, in which every member would participate in reporting their respective research progress, engaging in discussion of different topics, and giving questions and feedback to other members. I have given some presentations in group meetings and have received many beneficial suggestions from my PI, mentors, and other lab members about my research, which has helped me immensely in my progress in Matsuhisa Lab. Aside from group meeting, I also had one-on-one meetings with my PI, which further enabled more personalized discussion and advice for my direction and results.

2. Photo from the Internship / インターンシップ中の写真

Insert one representative photo and provide a short caption: date, place, activity, or people shown in the photo.



Photo caption / 写真キャプション

2026/5/27
Outside RCAST Building 3
Group photo of Matsuhisa Laboratory

3. Reflection on the Program / プログラムへの感想

Write what you learned, what was most valuable, challenges you faced, influence on future study/career plans, and suggestions for improving the program. Suggested length: 120-160 words.

Through the course of NEXUS International Internship Program, I got to gain paramount exposure to an exciting and new research field to me. My PI, Professor Naoji Matsuhisa, together with the laboratory environment he created, has truly enabled me to explore freely which direction I wanted to go with my research. The time I spent in Matsuhisa Lab has taught me many invaluable lessons, which the most important one in my opinion is the ability to work independently while collaborating with and receiving recommendations from an international team. I have faced certain challenges as it was a natural part of research; however, everyone in Matsuhisa Lab has been very kind, answering every question that I had and showing me many new techniques. The NEXUS program has great impact on my outlook, especially for opening the door for me in the field of material sciences and research scene in Japan.