

Application instruction for LIMMS internship FY 2025
Investigation of the development of liver disease using
advanced in silico modelling
at Sakai/Nishikawa laboratory, LIMMS/CNRS-IIS, The University of
Tokyo

1. Internship description

- **Location:** LIMMS/CNRS-IIS (IRL 2820), Tokyo, Japan
- **Internship title:** ***Investigation of the development of liver disease using advanced in silico modelling***
- **Internship duration:** 1 to 6 months
- **Accommodation support:** 70 000 yens / month for maximum 6 months (420 000 yens max. per person)
- **Expenses:** Airplane tickets and incidental expenses are NOT covered by LIMMS.
- **Contract:** Up to 6 months. An internship contract between IIS-UTokyo and the French school will be finalized, which will define the rules and obligations (both overseas travel accident insurance and liability insurance) during the stay at LIMMS/CNRS, IIS UTokyo.
- **Starting & Ending dates:** The internship should start on the 1st of February 2025 or beyond and finish before the 31st of March 2026.
- **Visa:** Students who will participate in the program for more than 90 days must have a visa. An administrative procedure takes about 3 months.

Job Duties

- Develop a mathematical of liver
- Compute new equations to describe hepatic physiology and the disease development
- Identify and optimise key parameters
- Extend the description to Agent Based Model
- Run simulation
- Participate to laboratory activities (meetings, student training etc...)

Skills and Experience

- Computing and programming in python or C
- Bio informatics and R programming
- Artificial intelligence integration
- Bioengineering

2. Please send the following items to LIMMS direction <limmsadm@iis.u-tokyo.ac.jp>

1. CV

2. Motivation letter

- Candidates are kindly advised to send LIMMS direction the requested documents with an e-mail **subject “internship title” FY2025 followed by the candidate’s full name.** Sending documents with a different e-mail subject might be at risk of being overlooked.
- **Submission Deadline (Closing date) for applications is 30 October 2024.**
- Please note that due to our administrative procedure, we cannot accept your applications AFTER the deadline.
- Due to a large number of applications, it is not possible to reply to you if you are not shortlisted. If you have not heard from us within one month of the closing date, please assume that your application has not been successful on this occasion.

3. Notification of results

After approval by the screening committee in LIMMS, notification of the acceptance will be sent both to the intern and the host professor of LIMMS.